

# XVIII.—A STATISTICAL REVIEW OF THE PRODUCTION AND DISTRIBUTION TO PUBLIC WATERS OF YOUNG FISH, BY THE UNITED STATES FISH COMMISSION, FROM ITS ORGANIZATION IN 1871 TO THE CLOSE OF 1880.

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The following tables were prepared with a primary view to furnishing the Tenth Census with suitable summaries of the work done by the United States Fish Commission. The data have been obtained from the records of the United States and State Commissions and by official correspondence, in the name of Prof. Spencer F. Baird, with the persons to whom he ordered eggs or fish to be sent. The tables have been prepared with great care and labor. They are as full and accurate as possible under the circumstances, and may be considered as very exact. Much of the clerical work upon these tables, as well as upon the index thereto, which follows, has been performed, under my careful supervision, by Mr. Carl Brandes, Mr. S. S. Alden, and Mr. C. E. Latimer, each of whose honest and painstaking labor I desire to make public mention of.

These tables consist of four series, marked A, B, C, D.

## PRODUCTION.

A. This table gives the stations operated for shad-hatching from 1872 to 1880, inclusive. It shows a total of 41 stations operated in the 9 years, with a total production of 102,388,350 shad, of which nearly 44,000,000 were released where hatched, and nearly 54,000,000 transported to other waters.

B. This series of three tables relates to the production of California salmon. The first table shows the disposition made of 50,761,000 salmon eggs, 4,000,000 of which were sent abroad, 15,000,000 hatched and returned to the McCloud River, and 31,000,000 sent overland to the Eastern States. The second table shows the success in hatching these 31,000,000 eggs, the data being arranged by years, while the third table shows the same data arranged by States. These show an average loss of 25 per cent.

## DISTRIBUTION.

C. This series of six tables summarizes by States the distributions of (1) shad, (2) California salmon, (3) Schoodic salmon, (4) Penobscot salmon, (5) whitefish, and (6) California trout, during each year from its commencement to 1880, inclusive.

D. This series of six tables corresponds to the precedings series of six, and gives in detail the items which are summarized there.



|         |         |                   |                           |                     |           |            |           |            |  |
|---------|---------|-------------------|---------------------------|---------------------|-----------|------------|-----------|------------|--|
| May 12  | May 20  | Pamunkey River    | Fish Haal, Va             | F. Mather           |           |            |           |            |  |
| June 11 | June 25 | Hudson River      | Coeymans, N. Y.           | N. Y. commissioners |           | 425,000    |           | 425,000    |  |
| July 2  | July 30 | Connecticut River | South Hadley Falls, Mass. | C. C. Smith         | 4,500,000 | 2,945,000  | 400,000   | 6,945,000  |  |
| May 26  | June 7  | Potomac River     | Moxley Point, Md          | J. Mason            | 1,182,500 |            |           | 1,182,500  |  |
| July 8  | July 16 | Delaware River    | Point Pleasant, Pa.       | N. J. commissioners |           | 200,000    |           | 200,000    |  |
| May 15  | May 25  | Potomac River     | Free Stone Point, Va      | J. Mason            | 1,156,750 |            |           | 1,156,750  |  |
| May 18  | June 5  | do                | Jackson City, Va          | H. W. Welcher       | 1,072,800 |            |           | 1,072,800  |  |
| May 21  | May 29  | do                | Ferry Landing, Va.        | do                  | 1,473,500 |            |           | 1,473,500  |  |
|         |         |                   |                           |                     | 9,365,550 | 2,670,000  | 400,000   | 12,435,550 |  |
| 1876.   | 1876.   |                   |                           |                     |           |            |           |            |  |
| May 8   | May 24  | Potomac River     | Ferry Landing, Va.        | J. W. Milner        | 586,000   | 98,000     | 2,000     | 686,000    |  |
| May 9   | May 12  | Patuxent River    | Bristol Landing, Md       | W. H. Hines         | 175,000   |            |           | 175,000    |  |
| May 10  | May 31  | Chesapeake Bay    | Carpenters Point, Md.     | W. F. Wrotten       | 822,800   | 748,400    | 80,100    | 1,600,000  |  |
| May 26  | June 3  | Susquehanna River | Swan Creek, Md            | W. H. Hines         | 80,000    | 45,000     |           | 125,000    |  |
| May 28  | June 14 | do                | Harre de Grace, Md        | F. N. Clark         | 272,000   | 453,000    | 137,000   | 862,000    |  |
| June 3  | June 21 | do                | Fishing Battery, Md       | W. Hamlen           | 459,000   |            |           | 459,000    |  |
| June 1  | June 10 | Chesapeake Bay    | Swan Creek, Md            | W. F. Wrotten       | 200,000   | 325,000    |           | 525,000    |  |
| June 12 | June 20 | Susquehanna River | Harre de Grace, Md        | W. H. Hines         | 125,000   |            |           | 125,000    |  |
| July 3  | Aug. 5  | Connecticut River | South Hadley Falls, Mass. | A. D. Hagar         | 924,000   | 1,017,500  | 16,500    | 1,958,000  |  |
|         |         |                   |                           |                     | 3,643,500 | 2,686,900  | 244,600   | 6,575,000  |  |
| 1877.   | 1877.   |                   |                           |                     |           |            |           |            |  |
| May 8   | May 20  | Susquehanna River | Harre de Grace, Md        | T. B. Ferguson      | 4,982,500 |            |           | 4,982,500  |  |
| May 21  | June 10 | do                | Spesutie Narrows, Md.     | do                  | 739,800   | 2,856,000  |           | 3,595,800  |  |
| June 26 | Aug. 6  | Connecticut River | South Hadley Falls, Mass. | J. W. Milner        | 917,000   | 1,688,000  |           | 2,605,000  |  |
|         |         |                   |                           |                     | 6,639,300 | 4,544,000  |           | 11,183,300 |  |
| 1878.   | 1878.   |                   |                           |                     |           |            |           |            |  |
| Apr. 1  | May 2   | Roanoke River     | Avoca, N. C.              | J. W. Milner        | 2,345,500 | 3,670,000  | 940,000   | 6,955,500  |  |
| May 15  | June 4  | Chesapeake Bay    | Spesutie Narrows, Md.     | T. Hughlett         | 5,105,000 | 4,920,000  |           | 10,025,000 |  |
| May 23  | June 4  | Potomac River     | Steamer Lookout           | T. B. Ferguson      | 575,000   | 150,000    |           | 725,000    |  |
|         |         |                   |                           |                     | 8,025,500 | 8,140,000  | 940,000   | 17,105,500 |  |
| 1879.   | 1879.   |                   |                           |                     |           |            |           |            |  |
| Apr. 18 | May 14  | Roanoke River     | Avoca, N. C.              | S. G. Worth         | 875,000   | 4,065,000  | 1,110,000 | 6,050,000  |  |
| May 16  | June 14 | Chesapeake Bay    | Spesutie Narrows, Md.     | T. B. Ferguson      | 4,367,000 | 5,517,500  | 142,500   | 10,027,000 |  |
| June 2  | June 14 | do                | Old Bay Fishery, Md       | do                  | 125,000   | 420,000    |           | 545,000    |  |
|         |         |                   |                           |                     | 5,587,000 | 10,002,500 | 1,252,500 | 16,842,000 |  |
| 1880.   | 1880.   |                   |                           |                     |           |            |           |            |  |
| May 7   | June 15 | Chesapeake Bay    | Harre de Grace, Md        | T. B. Ferguson      | 7,863,000 | 2,910,000  | 150,000   | 10,923,000 |  |
| May 7   | June 27 | Potomac River     | Steamer Lookout           | do                  | 1,600     | 17,851,400 | 27,000    | 18,550,000 |  |
|         |         |                   |                           |                     | 7,864,600 | 20,761,400 | 177,000   | 29,473,000 |  |

Do.

400,000 started for Germany; lost on the way.

As in other years, there was probably a very slight loss in transportation, though none was reported.

There was probably some loss from the 4,544,000 said to have been transported, though none was reported by the messengers.

670,000 used at Washington for experiments.

## RECAPITULATION.

| Year.     | Extreme limits of dates. | Number of stations. | Number of shad hatched by United States Fish Commission and released where they were hatched. | Transported by United States Fish Commission to other waters of the United States and there planted. | Number lost in attempting to transport in the United States. | Number hatched for miscellaneous purposes. | Total product of shad each year. |
|-----------|--------------------------|---------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------|----------------------------------|
| 1872..... | June 30 to July 7.....   | 2                   |                                                                                               | 850,000                                                                                              | 1,186,000                                                    |                                            | 2,035,000                        |
| 1873..... | Apr. 20 to July 22.....  | 7                   | 1,848,000                                                                                     | 1,155,000                                                                                            | 20,000                                                       |                                            | 3,023,000                        |
| 1874..... | June 24 to Aug. 15.....  | 3                   | 530,000                                                                                       | 3,031,000                                                                                            | 15,000                                                       | 100,000                                    | 3,676,000                        |
| 1875..... | Apr. 14 to July 30.....  | 9                   | 9,385,550                                                                                     | 2,670,000                                                                                            |                                                              | 400,000                                    | 12,455,550                       |
| 1876..... | May 8 to Aug. 5.....     | 9                   | 3,643,500                                                                                     | 2,656,900                                                                                            | 244,600                                                      |                                            | 6,573,000                        |
| 1877..... | May 8 to Aug. 6.....     | 3                   | 6,639,300                                                                                     | 4,544,000                                                                                            |                                                              |                                            | 11,183,300                       |
| 1878..... | Apr. 1 to June 14.....   | 3                   | 8,025,500                                                                                     | 8,140,600                                                                                            | 940,000                                                      |                                            | 17,105,500                       |
| 1879..... | Apr. 18 to June 14.....  | 3                   | 5,587,000                                                                                     | 10,002,500                                                                                           | 1,252,500                                                    |                                            | 16,842,000                       |
| 1880..... | May 7, to June 27.....   | 2                   | 7,864,600                                                                                     | 20,761,400                                                                                           | 177,000                                                      | 670,000                                    | 29,473,000                       |
|           |                          |                     | 43,523,450                                                                                    | 53,849,800                                                                                           | 3,845,100                                                    | 1,170,000                                  | 102,368,350                      |

B.—TABLE I.—Table showing the number of eggs of California salmon (*salmo quinnat*) taken at the United States station, McCloud River, Baird, California, and the disposition made of them, 1872-1880, inclusive.

I.—HATCHED AND PLANTED ON PACIFIC COAST.

| States.     | 1872. | 1873.  | 1874.   | 1875.     | 1876.     | 1877.     | 1878.     | 1879.     | 1880.     | 1872-1880. |
|-------------|-------|--------|---------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| California* |       | 20,000 | 850,000 | 2,230,000 | 1,800,000 | 2,450,000 | 2,500,000 | 2,500,000 | 2,810,000 | 15,160,000 |
| Oregon      |       |        |         |           |           | 300,000   |           |           |           | 300,000    |
| Total       |       | 20,000 | 850,000 | 2,230,000 | 1,800,000 | 2,750,000 | 2,500,000 | 2,500,000 | 2,810,000 | 15,460,000 |

II.—CONSIGNED TO COMMISSIONERS OF STATES.

|                |        |           |           |           |           |           |           |           |           |            |
|----------------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| Colorado       |        |           | 25,000    | 240,000   | 300,000   |           |           |           |           | 565,000    |
| Connecticut    |        | 130,000   | 300,000   | 480,000   | 500,000   |           |           |           |           | 1,410,000  |
| Illinois       |        |           | 50,000    | 80,000    | 250,000   | 150,000   | 400,000   |           | 100,000   | 1,030,000  |
| Iowa           |        |           | 300,000   | 300,000   |           | 100,000   | 300,000   | 50,000    |           | 1,050,000  |
| Kansas         |        |           |           |           |           | 100,000   | 100,000   | 100,000   | 100,000   | 400,000    |
| Kentucky       |        |           |           |           | 200,000   | 155,000   |           |           |           | 355,000    |
| Maine          |        | 50,000    | 150,000   |           |           |           | 15,000    |           |           | 215,000    |
| Maryland       |        |           | 375,000   | 560,000   | 1,210,000 | 400,000   | 1,000,000 | 700,000   | 400,000   | 4,645,000  |
| Massachusetts  |        | 50,000    | 200,000   | 80,000    | 210,000   | 200,000   |           |           |           | 740,000    |
| Michigan       |        | 120,000   | 900,000   | 1,788,000 | 500,000   | 150,000   | 450,000   |           |           | 3,908,000  |
| Minnesota      |        |           | 275,000   | 400,000   | 300,000   | 250,000   | 1,000,000 | 400,000   | 200,000   | 2,825,000  |
| Missouri       |        |           |           |           |           |           | 200,000   |           | 210,000   | 410,000    |
| Nebraska       |        |           |           |           |           | 10,000    | 100,000   | 200,000   | 400,000   | 710,000    |
| Nevada         |        |           |           |           |           |           | 250,000   |           |           | 250,000    |
| New Hampshire  |        |           |           |           |           | 105,000   | 450,000   |           |           | 555,000    |
| New Jersey     | 30,000 | 600,000   | 225,000   |           |           | 250,000   | 575,000   | 500,000   | 300,000   | 2,480,000  |
| New York       |        | 220,000   | 425,000   | 400,000   | 90,000    |           |           |           |           | 1,135,000  |
| North Carolina |        |           |           |           |           | 350,000   | 350,000   | 200,000   | 200,000   | 1,100,000  |
| Ohio           |        |           |           |           |           | 250,000   | 50,000    | 200,000   |           | 500,000    |
| Pennsylvania   |        | 170,000   | 450,000   | 480,000   | 515,000   | 275,000   | 250,000   | 300,000   |           | 2,440,000  |
| Rhode Island   |        |           | 100,000   | 240,000   |           |           |           |           |           | 340,000    |
| South Carolina |        |           |           |           |           |           |           | 50,000    | 200,000   | 250,000    |
| Tennessee      |        |           |           |           | 100,000   |           |           |           |           | 100,000    |
| Utah           |        | 40,000    | 200,000   | 160,000   | 50,000    | 100,000   | 50,000    |           |           | 600,000    |
| Virginia       |        |           | 50,000    | 320,000   |           | 100,000   | 300,000   | 500,000   |           | 1,270,000  |
| West Virginia  |        |           |           |           |           | 10,000    | 500,000   | 150,000   | 150,000   | 810,000    |
| Wisconsin      |        |           | 80,000    | 80,000    | 100,000   | 320,000   | 220,000   | 300,000   |           | 1,100,000  |
| Total          | 30,000 | 1,380,000 | 4,105,000 | 5,600,000 | 4,325,000 | 3,275,000 | 6,560,000 | 3,650,000 | 2,260,000 | 31,193,000 |

\* Including those hatched and deposited in the McCloud River.

PRODUCTION AND DISTRIBUTION OF YOUNG FISH.

B.—TABLE I.—Table showing the number of eggs of California salmon, &amp;c.—Continued.

## III.—CONSIGNED TO FOREIGN COUNTRIES.

| Countries.             | 1872. | 1873. | 1874.  | 1875.   | 1876.   | 1877.     | 1878.     | 1879.   | 1880.   | 1872-1880. |
|------------------------|-------|-------|--------|---------|---------|-----------|-----------|---------|---------|------------|
| Canada .....           |       |       | 25,000 | 80,000  | 10,000  | 150,000   | 500,000   | 100,000 | 50,000  | 915,000    |
| England .....          |       |       |        |         |         | 50,000    | 100,000   | 50,000  |         | 200,000    |
| France .....           |       |       |        |         |         | 58,000    | 100,000   | 100,000 | 100,000 | 358,000    |
| Holland .....          |       |       |        |         |         | 100,000   | 100,000   | 100,000 | 200,000 | 500,000    |
| Germany .....          |       |       |        |         |         | 100,000   | 250,000   | 100,000 | 330,000 | 830,000    |
| New Zealand .....      |       |       | 25,000 | 50,000  | 400,000 | 500,000   | 200,000   |         |         | 1,175,000  |
| Australia .....        |       |       |        |         |         | 50,000    |           | 50,000  |         | 100,000    |
| Sandwich Islands ..... |       |       |        |         | 30,000  |           |           |         |         | 30,000     |
| Total .....            |       |       | 50,000 | 130,000 | 440,000 | 1,008,000 | 1,250,000 | 500,000 | 730,000 | 4,108,000  |

## RECAPITULATION.

|                             |        |           |           |           |           |           |            |           |            |
|-----------------------------|--------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|
| California and Oregon ..... | 20,000 | 850,000   | 2,230,000 | 1,800,000 | 2,750,000 | 2,500,000 | 2,500,000  | 2,810,000 | 15,460,000 |
| Eastern States .....        | 30,000 | 1,380,000 | 4,105,000 | 5,608,000 | 4,325,000 | 3,275,000 | 6,500,000  | 2,200,000 | 21,193,000 |
| Foreign .....               |        |           | 50,000    | 130,000   | 440,000   | 1,008,000 | 1,250,000  | 50,000    | 4,108,000  |
| Total .....                 | 30,000 | 1,400,000 | 5,005,000 | 7,968,000 | 6,565,000 | 7,033,000 | 10,310,000 | 6,630,000 | 50,761,000 |

B.—TABLE II.—Table showing the success in transporting and hatching 31,193,000 eggs of California salmon (*Salmo quinnat*) taken from McCloud River, California, and consigned to commissioners of Eastern States, 1872-1880.

## I.—ARRANGED BY YEARS.

1872.

| State to which consigned. | Number of eggs sent from McCloud River. | Received at State hatcheries. | Loss in hatching and transporting to waters. |           | Young actually introduced. |           |
|---------------------------|-----------------------------------------|-------------------------------|----------------------------------------------|-----------|----------------------------|-----------|
|                           |                                         |                               | Number lost.                                 | Per cent. | Number.                    | Per cent. |
| New Jersey .....          | 30,000                                  | 30,000                        | 24,000                                       | 80        | 6,000                      | 20        |
| Total .....               | 30,000                                  | 30,000                        | 24,000                                       | 80        | 6,000                      | 20        |

1873.

|                     |           |           |         |    |         |    |
|---------------------|-----------|-----------|---------|----|---------|----|
| Connecticut .....   | 130,000   | 110,000   | 89,000  | 89 | 21,000  | 11 |
| Maine .....         | 50,000    | 50,000    | 5,000   | 10 | 45,000  | 90 |
| Massachusetts ..... | 50,000    | 48,000    | 21,000  | 44 | 27,000  | 56 |
| Michigan .....      | 120,000   | 80,000    | 2,000   | 3  | 78,000  | 97 |
| New Jersey .....    | 600,000   | 600,000   | 5,000   | 8  | 550,000 | 92 |
| New York .....      | 220,000   | 220,000   | 20,000  | 9  | 200,000 | 91 |
| Pennsylvania .....  | 170,000   | 170,000   | 169,000 | 99 | 1,000   | 1  |
| Utah .....          | 40,000    | 40,000    | 2,000   | 5  | 38,000  | 95 |
| Total .....         | 1,380,000 | 1,318,000 | 358,000 | 27 | 980,000 | 73 |

1874.

|                                  |           |           |           |       |           |       |
|----------------------------------|-----------|-----------|-----------|-------|-----------|-------|
| Colorado .....                   | 25,000    | 25,000    | 2,100     | 9     | 22,900    | 91    |
| Connecticut .....                | 300,000   | 300,000   | 60,000    | 20    | 240,000   | 80    |
| Illinois .....                   | 50,000    | 50,000    | 15,000    | 30    | 35,000    | 70    |
| Iowa .....                       | 300,000   | 300,000   | 41,300    | 14    | 258,700   | 86    |
| Maine .....                      | 150,000   | 100,000   | 70,000    | 70    | 30,000    | 30    |
| Maryland .....                   | 375,000   | 250,000   | 106,000   | 42    | 144,000   | 58    |
| Massachusetts .....              | 200,000   | 200,000   | 193,000   | 96    | 7,000     | 4     |
| Michigan, I .....                | 750,000   | 750,000   | 150,000   | 20    | 600,000   | 80    |
| Michigan, II .....               | 150,000   | 150,000   | 25,000    | 17    | 125,000   | 83    |
| Minnesota, I .....               | 150,000   | 160,000   | 110,000   | 69    | 50,000    | 31    |
| Minnesota, II <sup>1</sup> ..... | 125,000   | .....     | .....     | ..... | .....     | ..... |
| New Jersey .....                 | 225,000   | 225,000   | 60,000    | 26    | 165,000   | 74    |
| New York, I .....                | 400,000   | 400,000   | 80,990    | 20    | 319,010   | 80    |
| New York, II <sup>2</sup> .....  | 25,000    | .....     | .....     | ..... | .....     | ..... |
| Pennsylvania .....               | 450,000   | 360,000   | 55,000    | 15    | 395,000   | 85    |
| Rhode Island .....               | 100,000   | 100,000   | 85,000    | 35    | 65,000    | 65    |
| Utah .....                       | 200,000   | 200,000   | 14,000    | 7     | 186,000   | 93    |
| Virginia <sup>3</sup> .....      | 50,000    | 50,000    | 25,000    | 50    | 25,000    | 50    |
| Wisconsin .....                  | 80,000    | 100,000   | 39,000    | 39    | 61,000    | 61    |
| Total .....                      | 4,155,000 | 3,720,000 | 1,081,300 | 29    | 2,638,610 | 71    |

1875.

|                                 |           |           |           |    |           |    |
|---------------------------------|-----------|-----------|-----------|----|-----------|----|
| Colorado .....                  | 240,000   | 240,000   | 40,000    | 17 | 200,000   | 83 |
| Connecticut .....               | 480,000   | 480,000   | 20,000    | 4  | 460,000   | 96 |
| Illinois .....                  | 80,000    | 80,000    | 21,300    | 27 | 58,700    | 73 |
| Iowa .....                      | 300,000   | 300,000   | 16,000    | 5  | 284,000   | 95 |
| Maryland .....                  | 500,000   | 500,000   | 291,236   | 52 | 208,764   | 48 |
| Massachusetts .....             | 80,000    | 80,000    | 5,000     | 6  | 75,000    | 94 |
| Michigan, I .....               | 800,000   | 800,000   | 32,000    | 4  | 768,000   | 96 |
| Michigan, II <sup>4</sup> ..... | 988,000   | 988,000   | 235,300   | 24 | 752,700   | 76 |
| Minnesota .....                 | 400,000   | 400,000   | 100,000   | 25 | 300,000   | 75 |
| New York .....                  | 400,000   | 300,000   | 27,000    | 9  | 273,000   | 68 |
| Pennsylvania .....              | 480,000   | 515,000   | 2,000     | 1  | 513,000   | 99 |
| Rhode Island .....              | 240,000   | 120,000   | 5,000     | 4  | 115,000   | 48 |
| Utah .....                      | 160,000   | 160,000   | 40,000    | 25 | 120,000   | 75 |
| Virginia .....                  | 320,000   | 320,000   | 100,000   | 50 | 160,000   | 50 |
| Wisconsin .....                 | 80,000    | 80,000    | 40,000    | 50 | 40,000    | 50 |
| Total .....                     | 5,608,000 | 5,423,000 | 1,034,836 | 19 | 4,388,164 | 81 |

<sup>1</sup> Consigned to David Day, Saint Paul, and by him to Seth Green.<sup>2</sup> Consigned to H. H. Thomas, Randolph, N. Y.<sup>3</sup> Loss in hatching estimated.<sup>4</sup> By F. N. Clark, on account of U. S. Fish Commission.

B.—TABLE II.—Table showing the success in transporting and hatching 31,193,000 eggs, &amp;c.—Continued.

## I.—ARRANGED BY YEARS—Continued.

1876.

| State to which consigned.            | Number of eggs sent from McCloud River. | Received at State hatcheries. | Loss in hatching and transporting to waters. |           | Young actually introduced. |           |
|--------------------------------------|-----------------------------------------|-------------------------------|----------------------------------------------|-----------|----------------------------|-----------|
|                                      |                                         |                               | Number lost.                                 | Per cent. | Number.                    | Per cent. |
| Colorado.....                        | 300,000                                 | 300,000                       | 50,000                                       | 17        | 250,000                    | 83        |
| Connecticut.....                     | 500,000                                 | 500,000                       | 22,714                                       | 5         | 477,286                    | 95        |
| Illinois, I.....                     | 100,000                                 | 100,000                       | 80,000                                       | 80        | 20,000                     | 20        |
| Illinois, II.....                    | 150,000                                 | 150,000                       | 12,000                                       | 8         | 138,000                    | 92        |
| Kentucky.....                        | 200,000                                 | 200,000                       | 153,775                                      | 76        | 46,225                     | 24        |
| Maryland.....                        | 1,210,000                               | 1,100,000                     | 148,600                                      | 13        | 952,000                    | 87        |
| Massachusetts, I.....                | 200,000                                 | 200,000                       | 20,000                                       | 10        | 180,000                    | 90        |
| Massachusetts, II <sup>1</sup> ..... | 10,000                                  |                               |                                              |           |                            |           |
| Michigan <sup>2</sup> .....          | 500,000                                 | 500,000                       | 99,100                                       | 20        | 400,900                    | 80        |
| Minnesota.....                       | 300,000                                 | 300,000                       | 152,900                                      | 51        | 147,100                    | 49        |
| New York.....                        | 90,000                                  | 80,000                        | 16,800                                       | 28        | 43,200                     | 72        |
| Pennsylvania.....                    | 515,000                                 | 515,000                       | 38,000                                       | 7         | 477,000                    | 93        |
| Tennessee <sup>3</sup> .....         | 100,000                                 |                               |                                              |           |                            |           |
| Utah.....                            | 50,000                                  | 50,000                        | 12,500                                       | 25        | 37,500                     | 75        |
| Wisconsin.....                       | 100,000                                 | 100,000                       | 22,600                                       | 23        | 77,400                     | 77        |
| Total.....                           | 4,325,000                               | 4,075,000                     | 828,389                                      | 21        | 3,246,611                  | 79        |

1877.

|                                |           |           |         |    |           |    |
|--------------------------------|-----------|-----------|---------|----|-----------|----|
| Illinois, I <sup>4</sup> ..... | 50,000    | 50,000    | 5,000   | 10 | 45,000    | 90 |
| Illinois, II.....              | 50,000    | 50,000    | 20,000  | 40 | 30,000    | 60 |
| Illinois, III.....             | 50,000    | 50,000    | 27,000  | 58 | 21,000    | 42 |
| Iowa.....                      | 100,000   | 100,000   | 10,000  | 10 | 90,000    | 90 |
| Kansas.....                    | 100,000   | 100,000   | 1,000   | 1  | 99,000    | 99 |
| Kentucky, I <sup>5</sup> ..... | 150,000   | 150,000   | 78,500  | 52 | 71,500    | 48 |
| Kentucky, II.....              | 5,000     |           |         |    |           |    |
| Maryland.....                  | 400,000   | 380,000   | 91,400  | 24 | 298,600   | 74 |
| Massachusetts.....             | 200,000   | 200,000   | 20,000  | 10 | 180,000   | 90 |
| Michigan.....                  | 150,000   | 100,000   | 16,000  | 16 | 84,000    | 84 |
| Minnesota.....                 | 250,000   | 167,500   | 28,850  | 17 | 138,650   | 83 |
| Nebraska <sup>6</sup> .....    | 10,000    |           |         |    |           |    |
| New Hampshire.....             | 105,000   | 100,000   | 8,500   | 9  | 91,500    | 91 |
| New Jersey.....                | 250,000   | 250,000   | 25,000  | 10 | 225,000   | 90 |
| North Carolina.....            | 350,000   | 350,000   | 116,000 | 33 | 234,000   | 67 |
| Ohio.....                      | 250,000   | 250,000   | 25,000  | 10 | 225,000   | 90 |
| Pennsylvania, I.....           | 75,000    | 75,000    | 37,500  | 50 | 37,500    | 50 |
| Pennsylvania, II.....          | 200,000   | 200,000   | 60,000  | 30 | 140,000   | 70 |
| Utah.....                      | 100,000   | 100,000   | 25,000  | 25 | 75,000    | 75 |
| Virginia.....                  | 100,000   | 100,000   | 8,000   | 8  | 92,000    | 92 |
| West Virginia.....             | 10,000    | 10,000    | 125     | 1  | 9,875     | 99 |
| Wisconsin.....                 | 320,000   | 320,000   | 120,000 | 37 | 200,000   | 63 |
| Total.....                     | 3,275,000 | 3,102,500 | 724,875 | 23 | 2,377,625 | 77 |

1878.

|                                 |           |           |         |    |         |    |
|---------------------------------|-----------|-----------|---------|----|---------|----|
| Illinois, I.....                | 100,000   | 100,000   | 10,000  | 10 | 90,000  | 90 |
| Illinois, II <sup>7</sup> ..... | 100,000   |           |         |    |         |    |
| Illinois, III.....              | 200,000   | 200,000   | 100,000 | 50 | 40,000  | 20 |
| Iowa.....                       | 300,000   | 300,000   | 18,500  | 6  | 281,500 | 94 |
| Kansas.....                     | 100,000   | 100,000   | 5,000   | 5  | 95,000  | 95 |
| Maine.....                      | 15,000    | 15,000    | 2,500   | 17 | 12,500  | 85 |
| Maryland.....                   | 1,000,000 | 1,050,000 | 386,264 | 37 | 663,736 | 63 |
| Michigan, I.....                | 250,000   | 250,000   | 34,579  | 14 | 215,421 | 86 |
| Michigan, II <sup>8</sup> ..... | 200,000   | 250,000   | 25,000  | 10 | 225,000 | 90 |
| Minnesota.....                  | 1,000,000 | 1,000,000 | 959,000 | 96 | 41,000  | 4  |
| Missouri.....                   | 200,000   | 200,000   | 50,000  | 25 | 150,000 | 75 |
| Nebraska <sup>9</sup> .....     | 100,000   |           |         |    |         |    |
| Nevada.....                     | 250,000   | 250,000   | 50,000  | 20 | 200,000 | 80 |
| New Hampshire.....              | 450,000   | 367,500   | 20,400  | 8  | 338,040 | 94 |
| New Jersey.....                 | 575,000   | 525,000   | 70,800  | 13 | 454,200 | 87 |
| North Carolina.....             | 350,000   | 367,500   | 67,500  | 18 | 300,000 | 86 |
| Ohio.....                       | 50,000    | 50,000    | 2,500   | 5  | 47,500  | 95 |
| Pennsylvania, I.....            | 100,000   | 100,000   | 25,000  | 25 | 75,000  | 75 |

<sup>1</sup> Boston Aquarium, for exhibition.<sup>2</sup> By F. N. Clark, account of U. S. Fish Commission.<sup>3</sup> Consigned to M. S. Rodgers, Knoxville, Tenn.<sup>4</sup> Consigned to W. D. Andrews, Rockford, Ill.<sup>5</sup> Industrial Exhibition, Louisville, Ky.<sup>6</sup> Consigned to J. G. Romaine, South Bend, Nebr.<sup>7</sup> Consigned to Dr. W. A. Pratt, Elgin, Ill.<sup>8</sup> By F. N. Clark, account U. S. Fish Commission.<sup>9</sup> Consigned to J. G. Romaine, South Bend, Nebr.

B.—TABLE II.—Table showing the success in transporting and hatching 31,193,000 eggs, &c.—Continued.

I.—ARRANGED BY YEARS—Continued.

1878—Continued.

| State to which consigned. | Number of eggs sent from McCloud River. | Received at State hatcheries. | Loss in hatching and transporting to waters. |           | Young actually introduced. |           |
|---------------------------|-----------------------------------------|-------------------------------|----------------------------------------------|-----------|----------------------------|-----------|
|                           |                                         |                               | Number lost.                                 | Per cent. | Number.                    | Per cent. |
| Pennsylvania, II.....     | 150,000                                 | 150,000                       | 14,000                                       | 9         | 136,000                    | 91        |
| Utah.....                 | 50,000                                  | 75,000                        | 21,000                                       | 28        | 54,000                     | 72        |
| Virginia.....             | 300,000                                 | 315,000                       | 39,000                                       | 12        | 276,000                    | 88        |
| West Virginia.....        | 500,000                                 | 525,000                       | 25,000                                       | 5         | 500,000                    | 95        |
| Wisconsin.....            | 220,000                                 | 230,000                       | 30,000                                       | 13        | 200,000                    | 87        |
| Total.....                | 6,560,000                               | 6,420,000                     | 2,024,903                                    | 32        | 4,395,097                  | 68        |

1879.

|                         |           |           |           |    |           |    |
|-------------------------|-----------|-----------|-----------|----|-----------|----|
| Iowa <sup>1</sup> ..... | 50,000    | 100,000   | 1,000     | 1  | 99,000    | 99 |
| Kansas.....             | 100,000   | 100,000   | 10,000    | 10 | 90,000    | 90 |
| Maryland, I.....        | 500,000   | 500,000   | 62,724    | 12 | 437,276   | 88 |
| Maryland, II.....       | 200,000   | 200,000   | 43,400    | 21 | 156,600   | 79 |
| Minnesota.....          | 400,000   | 400,000   | 378,000   | 94 | 24,000    | 6  |
| Nebraska.....           | 200,000   | 200,000   | 10,000    | 5  | 190,000   | 95 |
| New Jersey.....         | 500,000   | 500,000   | 80,000    | 16 | 420,000   | 84 |
| North Carolina.....     | 200,000   | 200,000   | 146,000   | 73 | 54,000    | 27 |
| Ohio.....               | 200,000   | 200,000   | 100,000   | 50 | 100,000   | 50 |
| Penusylvania, I.....    | 100,000   | 100,000   | 23,000    | 23 | 77,000    | 77 |
| Pennsylvania, II.....   | 200,000   | 200,000   | 60,000    | 30 | 140,000   | 70 |
| South Carolina.....     | 50,000    | 33,000    | 8,000     | 24 | 25,000    | 76 |
| Virginia, I.....        | 400,000   | 400,000   | 112,000   | 28 | 288,000   | 72 |
| Virginia, II.....       | 100,000   | 100,000   | 14,500    | 14 | 85,500    | 86 |
| West Virginia.....      | 150,000   | 125,000   | 11,250    | 9  | 113,750   | 91 |
| Wisconsin.....          | 300,000   | 300,000   | 48,800    | 16 | 251,200   | 84 |
| Total.....              | 3,650,000 | 3,658,000 | 1,106,674 | 29 | 2,551,326 | 71 |

1880.

|                                 |           |           |         |    |           |    |
|---------------------------------|-----------|-----------|---------|----|-----------|----|
| Illinois.....                   | 100,000   | 100,000   | 10,000  | 10 | 90,000    | 90 |
| Kansas.....                     | 100,000   | 100,000   | 4,000   | 4  | 96,000    | 96 |
| Maryland.....                   | 400,000   | 400,000   | 46,677  | 12 | 353,423   | 88 |
| Minnesota.....                  | 200,000   | 200,000   | 25,000  | 12 | 175,000   | 88 |
| Missouri.....                   | 200,000   | 200,000   | 14,000  | 7  | 186,000   | 93 |
| Missouri, II <sup>2</sup> ..... | 10,000    |           |         |    |           |    |
| Nebraska.....                   | 400,000   | 400,000   | 100,000 | 25 | 300,000   | 75 |
| New Jersey.....                 | 300,000   | 300,000   | 20,571  | 7  | 279,429   | 93 |
| North Carolina.....             | 200,000   | 200,000   | 40,000  | 20 | 160,000   | 80 |
| South Carolina.....             | 200,000   | 300,000   | 115,000 | 37 | 187,000   | 63 |
| West Virginia.....              | 150,000   | 125,000   | 11,250  | 9  | 113,750   | 91 |
| Total.....                      | 2,260,000 | 2,325,000 | 384,398 | 17 | 1,940,602 | 83 |

RECAPITULATION BY YEARS.

| Years.    | Number of eggs sent from McCloud River. | Received at State hatcheries. | Loss in hatching and transporting to waters. |           | Young actually introduced. |           |
|-----------|-----------------------------------------|-------------------------------|----------------------------------------------|-----------|----------------------------|-----------|
|           |                                         |                               | Number lost.                                 | Per cent. | Number.                    | Per cent. |
| 1872..... | 30,000                                  | 30,000                        | 24,000                                       | 80        | 6,000                      | 20        |
| 1873..... | 1,340,000                               | 1,318,000                     | 358,000                                      | 27        | 960,000                    | 73        |
| 1874..... | 4,105,000                               | 3,720,000                     | 1,081,990                                    | 29        | 2,638,010                  | 71        |
| 1875..... | 5,608,000                               | 5,423,000                     | 1,034,836                                    | 19        | 4,388,164                  | 81        |
| 1876..... | 4,325,000                               | 4,075,000                     | 828,349                                      | 21        | 3,246,651                  | 70        |
| 1877..... | 3,275,000                               | 3,102,500                     | 724,875                                      | 23        | 2,377,625                  | 77        |
| 1878..... | 6,560,000                               | 6,420,000                     | 2,024,903                                    | 32        | 4,395,097                  | 68        |
| 1879..... | 3,650,000                               | 3,658,000                     | 1,106,674                                    | 20        | 2,551,326                  | 71        |
| 1880..... | 2,260,000                               | 2,325,000                     | 384,398                                      | 17        | 1,940,602                  | 83        |
|           | 31,193,000                              | 30,071,500                    | 7,567,465                                    | 25        | 22,504,035                 | 75        |

<sup>1</sup> Hatched in Iowa for State of Missouri.

<sup>2</sup> Consigned to J. Ed. Humes, Versailles, Morgan County, Missouri; all lost in transit.

B.—TABLE III.—Table showing the success in transporting and hatching 31,193,000 eggs, &amp;c.—Continued.

## II.—ARRANGED BY STATES.

| Years.          | Number of eggs sent from McClelland River. | Received at State hatcheries. | Loss in hatching and transporting to waters. |           | Young actually introduced. |           |
|-----------------|--------------------------------------------|-------------------------------|----------------------------------------------|-----------|----------------------------|-----------|
|                 |                                            |                               | Number lost.                                 | Per cent. | Number.                    | Per cent. |
| 1.—COLORADO.    |                                            |                               |                                              |           |                            |           |
| 1874            | 25,000                                     | 25,000                        | 2,100                                        | 9         | 22,900                     | 91        |
| 1875            | 240,000                                    | 245,000                       | 40,000                                       | 17        | 200,000                    | 83        |
| 1876            | 300,000                                    | 300,000                       | 50,000                                       | 17        | 250,000                    | 83        |
| Total           | 565,000                                    | 565,000                       | 92,100                                       | 16        | 472,900                    | 84        |
| 2.—CONNECTICUT. |                                            |                               |                                              |           |                            |           |
| 1873            | 130,000                                    | 110,000                       | 89,000                                       | 89        | 21,000                     | 11        |
| 1874            | 300,000                                    | 300,000                       | 60,000                                       | 20        | 240,000                    | 80        |
| 1875            | 480,000                                    | 480,000                       | 20,000                                       | 4         | 460,000                    | 98        |
| 1876            | 500,000                                    | 500,000                       | 22,714                                       | 5         | 477,286                    | 95        |
| Total           | 1,410,000                                  | 1,390,000                     | 191,714                                      | 13        | 1,198,286                  | 85        |
| 3.—ILLINOIS.    |                                            |                               |                                              |           |                            |           |
| 1874            | 50,000                                     | 50,000                        | 15,000                                       | 30        | 35,000                     | 70        |
| 1875            | 80,000                                     | 80,000                        | 21,300                                       | 27        | 58,700                     | 73        |
| 1876, I         | 100,000                                    | 100,000                       | 80,000                                       | 80        | 20,000                     | 20        |
| 1876, II        | 150,000                                    | 150,000                       | 12,000                                       | 8         | 138,000                    | 92        |
| 1877, I         | 50,000                                     | 50,000                        | 5,000                                        | 10        | 45,000                     | 90        |
| 1877, II        | 50,000                                     | 50,000                        | 20,000                                       | 40        | 30,000                     | 60        |
| 1877, III       | 50,000                                     | 50,000                        | 29,000                                       | 58        | 21,000                     | 42        |
| 1878, I         | 100,000                                    | 100,000                       | 10,000                                       | 10        | 90,000                     | 90        |
| 1878, II        | 100,000                                    | 100,000                       | 10,000                                       | 10        | 90,000                     | 90        |
| 1878, III       | 200,000                                    | 200,000                       | 160,000                                      | 80        | 40,000                     | 20        |
| 1880            | 100,000                                    | 100,000                       | 10,000                                       | 10        | 90,000                     | 90        |
| Total           | 1,030,000                                  | 930,000                       | 362,300                                      | 39        | 567,700                    | 61        |
| 4.—IOWA.        |                                            |                               |                                              |           |                            |           |
| 1874            | 300,000                                    | 300,000                       | 41,300                                       | 14        | 258,700                    | 86        |
| 1875            | 300,000                                    | 300,000                       | 16,000                                       | 5         | 284,000                    | 95        |
| 1877            | 100,000                                    | 100,000                       | 10,000                                       | 10        | 90,000                     | 90        |
| 1878            | 300,000                                    | 300,000                       | 18,500                                       | 6         | 281,500                    | 94        |
| 1879            | 50,000                                     | 100,000                       | 1,000                                        | 1         | 99,000                     | 99        |
| Total           | 1,050,000                                  | 1,100,000                     | 86,800                                       | 8         | 1,013,200                  | 92        |
| 5.—KANSAS.      |                                            |                               |                                              |           |                            |           |
| 1877            | 100,000                                    | 100,000                       | 1,000                                        | 1         | 99,000                     | 99        |
| 1878            | 100,000                                    | 100,000                       | 5,000                                        | 5         | 95,000                     | 95        |
| 1879            | 100,000                                    | 100,000                       | 10,000                                       | 10        | 90,000                     | 90        |
| 1880            | 100,000                                    | 100,000                       | 4,000                                        | 4         | 96,000                     | 96        |
| Total           | 400,000                                    | 400,000                       | 20,000                                       | 5         | 380,000                    | 95        |
| 6.—KENTUCKY.    |                                            |                               |                                              |           |                            |           |
| 1876            | 200,000                                    | 200,000                       | 153,775                                      | 76        | 46,225                     | 24        |
| 1877, I         | 150,000                                    | 150,000                       | 78,500                                       | 52        | 71,500                     | 48        |
| 1877, II        | 5,000                                      |                               |                                              |           |                            |           |
| Total           | 355,000                                    | 350,000                       | 232,275                                      | 66        | 117,725                    | 34        |
| 7.—MAINE.       |                                            |                               |                                              |           |                            |           |
| 1875            | 50,000                                     | 50,000                        | 5,000                                        | 10        | 45,000                     | 90        |
| 1874            | 150,000                                    | 150,000                       | 70,000                                       | 70        | 80,000                     | 80        |
| 1878            | 15,000                                     | 15,000                        | 2,300                                        | 15        | 12,700                     | 85        |
| Total           | 215,000                                    | 165,000                       | 77,300                                       | 47        | 87,700                     | 53        |
| 8.—MARYLAND.    |                                            |                               |                                              |           |                            |           |
| 1874            | 375,000                                    | 250,000                       | 100,000                                      | 42        | 144,000                    | 58        |
| 1875            | 500,000                                    | 500,000                       | 291,236                                      | 52        | 208,764                    | 48        |
| 1876            | 1,210,000                                  | 1,100,000                     | 148,000                                      | 13        | 952,000                    | 87        |
| 1877            | 400,000                                    | 380,000                       | 91,400                                       | 24        | 288,600                    | 74        |
| 1878            | 1,030,000                                  | 1,050,000                     | 386,264                                      | 37        | 663,736                    | 63        |
| 1879, I         | 500,000                                    | 500,000                       | 62,724                                       | 12        | 437,276                    | 88        |
| 1879, II        | 200,000                                    | 200,000                       | 43,400                                       | 21        | 156,600                    | 79        |
| 1880            | 400,000                                    | 400,000                       | 46,577                                       | 12        | 353,423                    | 88        |
| Total           | 4,645,000                                  | 4,440,000                     | 1,175,001                                    | 29        | 3,264,999                  | 71        |

<sup>1</sup> Consigned to W. H. Cushman, Georgetown, Colo.<sup>2</sup> Consigned to Dr. W. A. Pratt, Elgin, Ill.<sup>3</sup> Hatched in Iowa for State of Missouri.<sup>4</sup> Industrial Exhibition, Louisville, Ky.

B.—TABLE III.—Table showing the success in transporting and hatching 31,193,000 eggs, &amp;c.—Continued.

## II.—ARRANGED BY STATES—Continued.

| Years.                | Number of eggs sent from McCloud River. | Received at State hatcheries. | Loss in hatching and transporting to waters. |           | Young actually introduced. |           |
|-----------------------|-----------------------------------------|-------------------------------|----------------------------------------------|-----------|----------------------------|-----------|
|                       |                                         |                               | Number lost.                                 | Per cent. | Number.                    | Per cent. |
| 9.—MASSACHUSETTS.     |                                         |                               |                                              |           |                            |           |
| 1873                  | 50,000                                  | 48,000                        | 21,000                                       | 44        | 27,000                     | 56        |
| 1874                  | 200,000                                 | 200,000                       | 193,000                                      | 96        | 7,000                      | 4         |
| 1875                  | 80,000                                  | 80,000                        | 5,000                                        | 6         | 75,000                     | 94        |
| 1876, I               | 200,000                                 | 200,000                       | 20,000                                       | 10        | 180,000                    | 90        |
| 1876, II <sup>1</sup> | 10,000                                  |                               |                                              |           |                            |           |
| 1877                  | 200,000                                 | 200,000                       | 20,000                                       | 10        | 180,000                    | 90        |
| Total                 | 740,000                                 | 728,000                       | 259,000                                      | 36        | 469,000                    | 64        |
| 10.—MICHIGAN.         |                                         |                               |                                              |           |                            |           |
| 1873                  | 120,000                                 | 80,000                        | 2,000                                        | 3         | 78,000                     | 97        |
| 1874, I               | 755,000                                 | 750,000                       | 150,000                                      | 20        | 600,000                    | 80        |
| 1874, II              | 150,000                                 | 150,000                       | 25,000                                       | 17        | 125,000                    | 83        |
| 1875, I               | 800,000                                 | 800,000                       | 32,000                                       | 4         | 768,000                    | 96        |
| 1875, II              | 988,000                                 | 988,000                       | 235,300                                      | 24        | 752,700                    | 76        |
| 1876                  | 500,000                                 | 500,000                       | 99,100                                       | 20        | 400,900                    | 80        |
| 1877                  | 150,000                                 | 100,000                       | 16,000                                       | 16        | 84,000                     | 84        |
| 1878, I               | 250,000                                 | 250,000                       | 34,579                                       | 14        | 215,421                    | 86        |
| 1878, II <sup>2</sup> | 200,000                                 | 250,000                       | 25,000                                       | 10        | 225,000                    | 90        |
| Total                 | 3,908,000                               | 3,868,000                     | 618,979                                      | 16        | 3,249,021                  | 84        |
| 11.—MINNESOTA.        |                                         |                               |                                              |           |                            |           |
| 1874, I               | 150,000                                 | 160,000                       | 110,000                                      | 69        | 50,000                     | 31        |
| 1874, II <sup>3</sup> | 125,000                                 |                               |                                              |           |                            |           |
| 1875                  | 400,000                                 | 400,000                       | 100,000                                      | 25        | 300,000                    | 75        |
| 1876                  | 300,000                                 | 300,000                       | 152,900                                      | 51        | 147,100                    | 49        |
| 1877                  | 250,000                                 | 167,500                       | 28,850                                       | 17        | 138,650                    | 83        |
| 1878                  | 1,000,000                               | 1,000,000                     | 959,000                                      | 96        | 41,000                     | 4         |
| 1879                  | 400,000                                 | 400,000                       | 376,000                                      | 94        | 24,000                     | 6         |
| 1880                  | 200,000                                 | 200,000                       | 25,000                                       | 12        | 175,000                    | 88        |
| Total                 | 2,825,000                               | 2,627,500                     | 1,751,750                                    | 64        | 875,750                    | 36        |
| 12.—MISSOURI.         |                                         |                               |                                              |           |                            |           |
| 1878 <sup>4</sup>     | 200,000                                 | 200,000                       | 50,000                                       | 25        | 150,000                    | 75        |
| 1880, I               | 200,000                                 | 200,000                       | 14,000                                       | 7         | 186,000                    | 93        |
| 1880, II <sup>5</sup> | 10,000                                  |                               |                                              |           |                            |           |
| Total                 | 410,000                                 | 400,000                       | 64,000                                       | 16        | 336,000                    | 84        |
| 13.—NEBRASKA.         |                                         |                               |                                              |           |                            |           |
| 1877 <sup>6</sup>     | 10,000                                  |                               |                                              |           |                            |           |
| 1878 <sup>6</sup>     | 100,000                                 |                               |                                              |           |                            |           |
| 1879                  | 200,000                                 | 200,000                       | 10,000                                       | 5         | 190,000                    | 95        |
| 1880                  | 400,000                                 | 400,000                       | 100,000                                      | 25        | 300,000                    | 75        |
| Total                 | 710,000                                 | 600,000                       | 110,000                                      | 18        | 490,000                    | 82        |
| 14.—NEVADA.           |                                         |                               |                                              |           |                            |           |
| 1878                  | 250,000                                 | 250,000                       | 50,000                                       | 20        | 200,000                    | 80        |
| Total                 | 250,000                                 | 250,000                       | 50,000                                       | 20        | 200,000                    | 80        |
| 15.—NEW HAMPSHIRE.    |                                         |                               |                                              |           |                            |           |
| 1877                  | 105,000                                 | 100,000                       | 8,500                                        | 9         | 91,500                     | 91        |
| 1878                  | 450,000                                 | 367,500                       | 29,460                                       | 8         | 338,040                    | 92        |
| Total                 | 555,000                                 | 467,500                       | 37,960                                       | 8         | 429,540                    | 92        |
| 16.—NEW JERSEY.       |                                         |                               |                                              |           |                            |           |
| 1872                  | 30,000                                  | 30,000                        | 24,000                                       | 80        | 6,000                      | 20        |
| 1873                  | 600,000                                 | 600,000                       | 50,000                                       | 8         | 550,000                    | 92        |
| 1874                  | 225,000                                 | 225,000                       | 60,000                                       | 26        | 165,000                    | 74        |
| 1877                  | 250,000                                 | 250,000                       | 25,000                                       | 10        | 225,000                    | 90        |
| 1878                  | 575,000                                 | 525,000                       | 70,800                                       | 13        | 454,200                    | 87        |
| 1879                  | 500,000                                 | 500,000                       | 80,000                                       | 16        | 420,000                    | 84        |
| 1880                  | 300,000                                 | 300,000                       | 20,571                                       | 7         | 279,429                    | 93        |
| Total                 | 2,480,000                               | 2,430,000                     | 330,371                                      | 14        | 2,099,629                  | 86        |

<sup>1</sup> Boston Aquarium, for exhibition.<sup>2</sup> By Frank N. Clark, account of U. S. Fish Commission.<sup>3</sup> Consigned to David Day, Saint Paul, Minn., and by him to Seth Green.<sup>4</sup> Hatched for Missouri at Anamosa, Iowa.<sup>5</sup> Consigned to J. Ed. Humes, Versailles, Morgan County, Mo.; all lost in transit.<sup>6</sup> Consigned to J. G. Romaine, South Bend, Nebr.

B.—TABLE III.—Table showing the success in transporting and hatching 31,193,000 eggs, &amp;c.—Continued.

## II.—ARRANGED BY STATES—Continued.

| Years.                  | Number of eggs sent from McCloud River. | Received at State hatcheries. | Loss in hatching and transporting to waters. |           | Young actually introduced. |           |  |
|-------------------------|-----------------------------------------|-------------------------------|----------------------------------------------|-----------|----------------------------|-----------|--|
|                         |                                         |                               | Number lost.                                 | Per cent. | Number.                    | Per cent. |  |
| 17.—NEW YORK.           |                                         |                               |                                              |           |                            |           |  |
| 1873.....               | 220,000                                 | 220,000                       | 20,000                                       | 9         | 200,000                    | 91        |  |
| 1874, I.....            | 400,000                                 | 400,000                       | 80,000                                       | 20        | 319,010                    | 80        |  |
| 1874, II.....           | 25,000                                  |                               |                                              |           |                            |           |  |
| 1875.....               | 400,000                                 | 300,000                       | 27,000                                       | 9         | 273,000                    | 91        |  |
| 1876.....               | 90,000                                  | 60,000                        | 10,800                                       | 28        | 43,200                     | 72        |  |
| Total.....              | 1,135,000                               | 980,000                       | 144,700                                      | 15        | 835,210                    | 85        |  |
| 18.—NORTH CAROLINA.     |                                         |                               |                                              |           |                            |           |  |
| 1877.....               | 350,000                                 | 350,000                       | 116,000                                      | 33        | 234,000                    | 67        |  |
| 1878.....               | 350,000                                 | 367,500                       | 67,500                                       | 18        | 300,000                    | 82        |  |
| 1879.....               | 200,000                                 | 200,000                       | 140,000                                      | 73        | 54,000                     | 27        |  |
| 1880.....               | 200,000                                 | 200,000                       | 40,000                                       | 20        | 160,000                    | 80        |  |
| Total.....              | 1,100,000                               | 1,117,500                     | 363,500                                      | 33        | 748,060                    | 67        |  |
| 19.—OHIO.               |                                         |                               |                                              |           |                            |           |  |
| 1877.....               | 250,000                                 | 250,000                       | 25,000                                       | 10        | 225,000                    | 90        |  |
| 1878.....               | 50,000                                  | 50,000                        | 2,500                                        | 5         | 47,500                     | 95        |  |
| 1879.....               | 200,000                                 | 200,000                       | 100,000                                      | 50        | 100,000                    | 50        |  |
| Total.....              | 500,000                                 | 500,000                       | 127,500                                      | 26        | 372,500                    | 74        |  |
| 20.—PENNSYLVANIA.       |                                         |                               |                                              |           |                            |           |  |
| 1873.....               | 170,000                                 | 170,000                       | 169,000                                      | 99        | 1,000                      | 1         |  |
| 1874.....               | 450,000                                 | 360,000                       | 55,000                                       | 15        | 305,000                    | 85        |  |
| 1875.....               | 480,000                                 | 515,000                       | 2,000                                        | 1         | 513,000                    | 99        |  |
| 1876.....               | 515,000                                 | 515,000                       | 38,000                                       | 7         | 477,000                    | 93        |  |
| 1877.....               | 75,000                                  | 75,000                        | 37,500                                       | 50        | 37,500                     | 50        |  |
| 1877, I.....            | 200,000                                 | 200,000                       | 60,000                                       | 30        | 140,000                    | 70        |  |
| 1877, II.....           | 100,000                                 | 100,000                       | 25,000                                       | 25        | 75,000                     | 75        |  |
| 1878, I.....            | 150,000                                 | 150,000                       | 14,000                                       | 9         | 136,000                    | 91        |  |
| 1878, II.....           | 100,000                                 | 100,000                       | 23,000                                       | 23        | 77,000                     | 77        |  |
| 1879, I.....            | 200,000                                 | 200,000                       | 60,000                                       | 30        | 140,000                    | 70        |  |
| 1879, II.....           |                                         |                               |                                              |           |                            |           |  |
| Total.....              | 2,440,000                               | 2,385,000                     | 483,500                                      | 20        | 1,901,500                  | 80        |  |
| 21.—RHODE ISLAND.       |                                         |                               |                                              |           |                            |           |  |
| 1874.....               | 100,000                                 | 100,000                       | 35,000                                       | 35        | 65,000                     | 65        |  |
| 1875.....               | 240,000                                 | 120,000                       | 5,000                                        | 4         | 115,000                    | 96        |  |
| Total.....              | 340,000                                 | 220,000                       | 40,000                                       | 18        | 180,000                    | 82        |  |
| 22.—SOUTH CAROLINA.     |                                         |                               |                                              |           |                            |           |  |
| 1879.....               | 50,000                                  | 33,000                        | 8,000                                        | 24        | 25,000                     | 76        |  |
| 1880.....               | 200,000                                 | 300,000                       | 113,000                                      | 37        | 187,000                    | 80        |  |
| Total.....              | 250,000                                 | 333,000                       | 121,000                                      | 36        | 212,000                    | 64        |  |
| 23.—TENNESSEE.          |                                         |                               |                                              |           |                            |           |  |
| 1876 <sup>2</sup> ..... | 100,000                                 |                               |                                              |           |                            |           |  |
| Total.....              | 100,000                                 |                               |                                              |           |                            |           |  |
| 24.—UTAH.               |                                         |                               |                                              |           |                            |           |  |
| 1873.....               | 40,000                                  | 40,000                        | 2,000                                        | 5         | 38,000                     | 95        |  |
| 1874.....               | 200,000                                 | 200,000                       | 14,000                                       | 7         | 186,000                    | 93        |  |
| 1875.....               | 160,000                                 | 160,000                       | 40,000                                       | 25        | 120,000                    | 75        |  |
| 1876.....               | 50,000                                  | 50,000                        | 12,500                                       | 25        | 37,500                     | 75        |  |
| 1877.....               | 100,000                                 | 100,000                       | 25,000                                       | 25        | 75,000                     | 75        |  |
| 1878.....               | 50,000                                  | 75,000                        | 21,000                                       | 28        | 54,000                     | 72        |  |
| Total.....              | 600,000                                 | 625,000                       | 114,000                                      | 18        | 510,500                    | 82        |  |
| 25.—VIRGINIA.           |                                         |                               |                                              |           |                            |           |  |
| 1874 <sup>3</sup> ..... | 50,000                                  | 50,000                        | 25,000                                       | 50        | 25,000                     | 50        |  |
| 1875.....               | 320,000                                 | 320,000                       | 160,000                                      | 50        | 160,000                    | 50        |  |
| 1877.....               | 100,000                                 | 100,000                       | 8,000                                        | 8         | 92,000                     | 92        |  |
| 1878.....               | 300,000                                 | 315,000                       | 39,000                                       | 12        | 276,000                    | 88        |  |
| 1879, I.....            | 400,000                                 | 400,000                       | 112,000                                      | 28        | 288,000                    | 72        |  |
| 1879, II.....           | 100,000                                 | 100,000                       | 14,500                                       | 14        | 85,500                     | 86        |  |
| Total.....              | 1,270,000                               | 1,285,000                     | 358,500                                      | 28        | 926,500                    | 72        |  |

<sup>1</sup> Consigned to J. H. Thomas, Randolph, N. Y.<sup>2</sup> Consigned to M. S. Rodgers, Knoxville, Tenn.<sup>3</sup> Loss in hatching estimated.

B.—TABLE III.—Table showing the success in transporting and hatching 31,193,000 eggs, &c.—Continued.

II.—ARRANGED BY STATES—Continued.

| Years.             | Number of eggs sent from McCloud River. | Received at State hatcheries. | Loss in hatching and transporting to waters. |           | Young actually introduced. |           |
|--------------------|-----------------------------------------|-------------------------------|----------------------------------------------|-----------|----------------------------|-----------|
|                    |                                         |                               | Number lost.                                 | Per cent. | Number.                    | Per cent. |
| 26.—WEST VIRGINIA. |                                         |                               |                                              |           |                            |           |
| 1877.....          | 10,000                                  | 10,000                        | 125                                          | 1         | 9,875                      | 99        |
| 1878.....          | 500,000                                 | 525,000                       | 25,000                                       | 5         | 500,000                    | 95        |
| 1879.....          | 150,000                                 | 125,000                       | 11,250                                       | 9         | 113,750                    | 91        |
| 1880.....          | 150,000                                 | 125,000                       | 11,250                                       | 9         | 113,750                    | 91        |
| Total.....         | 810,000                                 | 785,000                       | 47,625                                       | 6         | 737,375                    | 94        |
| 27.—WISCONSIN.     |                                         |                               |                                              |           |                            |           |
| 1874.....          | 80,000                                  | 100,000                       | 39,000                                       | 39        | 61,000                     | 61        |
| 1875.....          | 80,000                                  | 80,000                        | 40,000                                       | 50        | 40,000                     | 50        |
| 1876.....          | 100,000                                 | 100,000                       | 22,000                                       | 23        | 77,400                     | 77        |
| 1877.....          | 320,000                                 | 320,000                       | 120,000                                      | 37        | 200,000                    | 63        |
| 1878.....          | 230,000                                 | 230,000                       | 30,000                                       | 13        | 200,000                    | 87        |
| 1879.....          | 300,000                                 | 300,000                       | 48,800                                       | 16        | 251,200                    | 84        |
| Total.....         | 1,100,000                               | 1,130,000                     | 300,400                                      | 27        | 829,600                    | 73        |

RECAPITULATION BY STATES.

| Number.    | State to which consigned. | Number of eggs sent from McCloud River. | Received at State hatcheries. | Loss in hatching and transporting to waters. |           | Young actually introduced. |           |
|------------|---------------------------|-----------------------------------------|-------------------------------|----------------------------------------------|-----------|----------------------------|-----------|
|            |                           |                                         |                               | Number lost.                                 | Per cent. | Number.                    | Per cent. |
| 1          | Colorado.....             | 565,000                                 | 565,000                       | 92,100                                       | 16        | 472,900                    | 84        |
| 2          | Connecticut.....          | 1,410,000                               | 1,390,000                     | 191,714                                      | 13        | 1,198,286                  | 87        |
| 3          | Illinois.....             | 1,030,000                               | 940,000                       | 362,300                                      | 39        | 567,700                    | 61        |
| 4          | Iowa.....                 | 1,050,000                               | 1,100,000                     | 86,800                                       | 8         | 1,013,200                  | 92        |
| 5          | Kansas.....               | 400,000                                 | 400,000                       | 20,000                                       | 5         | 380,000                    | 95        |
| 6          | Kentucky.....             | 355,000                                 | 350,000                       | 232,275                                      | 66        | 117,725                    | 34        |
| 7          | Maine.....                | 215,000                                 | 165,000                       | 77,300                                       | 47        | 87,700                     | 53        |
| 8          | Maryland.....             | 4,645,000                               | 4,440,000                     | 1,175,601                                    | 29        | 3,264,399                  | 71        |
| 9          | Massachusetts.....        | 740,000                                 | 728,000                       | 259,000                                      | 36        | 469,000                    | 64        |
| 10         | Michigan.....             | 3,908,000                               | 3,868,000                     | 618,079                                      | 16        | 3,249,921                  | 84        |
| 11         | Minnesota.....            | 2,825,000                               | 2,637,500                     | 1,751,750                                    | 64        | 875,750                    | 36        |
| 12         | Missouri.....             | 410,000                                 | 400,000                       | 64,000                                       | 16        | 350,000                    | 84        |
| 13         | Nebraska.....             | 710,000                                 | 600,000                       | 110,000                                      | 18        | 490,000                    | 82        |
| 14         | Nevada.....               | 250,000                                 | 250,000                       | 50,000                                       | 20        | 200,000                    | 80        |
| 15         | New Hampshire.....        | 555,000                                 | 467,500                       | 37,900                                       | 8         | 429,540                    | 92        |
| 16         | New Jersey.....           | 2,430,000                               | 2,430,000                     | 330,371                                      | 14        | 2,099,629                  | 84        |
| 17         | New York.....             | 1,133,000                               | 980,000                       | 144,790                                      | 15        | 835,210                    | 85        |
| 18         | North Carolina.....       | 1,100,000                               | 1,117,500                     | 369,500                                      | 33        | 748,000                    | 67        |
| 19         | Ohio.....                 | 500,000                                 | 500,000                       | 127,500                                      | 26        | 372,500                    | 74        |
| 20         | Pennsylvania.....         | 2,440,000                               | 2,385,000                     | 483,500                                      | 20        | 1,901,500                  | 80        |
| 21         | Rhode Island.....         | 340,000                                 | 220,000                       | 40,000                                       | 18        | 180,000                    | 82        |
| 22         | South Carolina.....       | 250,000                                 | 353,000                       | 121,000                                      | 36        | 212,000                    | 64        |
| 23         | Tennessee.....            | 100,000                                 | (*)                           | (*)                                          | (*)       | (*)                        | (*)       |
| 24         | Utah.....                 | 600,000                                 | 625,000                       | 114,500                                      | 18        | 510,500                    | 82        |
| 25         | Virginia.....             | 1,270,000                               | 1,285,000                     | 358,500                                      | 28        | 926,500                    | 72        |
| 26         | West Virginia.....        | 810,000                                 | 785,000                       | 47,625                                       | 6         | 737,375                    | 94        |
| 27         | Wisconsin.....            | 1,100,000                               | 1,130,000                     | 300,400                                      | 27        | 829,600                    | 73        |
| Total..... |                           | 31,193,000                              | 30,071,500                    | 7,567,465                                    | 25        | 22,504,035                 | 75        |

\* No report received.

C.—TABLE I.—Summary table of the number of *shad* (*Alosa sapidissima*) introduced into the waters of the different States by the United States Fish Commission, 1872-1880, inclusive.

[NOTE.—Nearly all of these fish were not only introduced but also hatched by the United States Fish Commission.]

| States.                   | 1872.   | 1873.     | 1874.     | 1875.      | 1876.     | 1877.      | 1878.      | 1879.      | 1880.      | Total.     |
|---------------------------|---------|-----------|-----------|------------|-----------|------------|------------|------------|------------|------------|
| Alabama.....              |         |           |           |            | 80,000    | 75,000     | 266,000    | 340,000    |            | 771,000    |
| Arkansas.....             |         |           |           |            | 79,200    | 80,000     | 100,000    | 125,000    |            | 384,200    |
| California.....           |         | 35,000    |           |            | 90,000    | 100,000    | 150,000    |            | 215,000    | 590,000    |
| Colorado.....             | 2,000   |           |           |            |           |            |            |            |            | 2,000      |
| Connecticut.....          |         | 90,000    | 280,000   | 100,000    |           |            |            |            |            | 470,000    |
| Delaware.....             |         |           |           |            |           | 100,000    |            | 195,000    | 1,350,000  | 1,645,000  |
| District of Columbia..... |         |           |           |            |           |            | 400,000    | 160,000    | 7,655,000  | 8,215,000  |
| Florida.....              |         |           |           |            |           |            |            | 120,000    |            | 120,000    |
| Georgia.....              |         |           |           | 60,000     | 243,200   | 410,000    | 320,000    | 562,500    | 1,188,000  | 2,733,700  |
| Illinois.....             |         | 70,000    | 70,000    | 60,000     |           |            | 300,000    |            |            | 500,000    |
| Indiana.....              | 400,000 | 40,000    | 315,000   | 100,000    |           |            | 165,000    | 150,000    | 200,000    | 1,370,000  |
| Iowa.....                 |         |           | 100,000   | 90,000     | 148,500   |            | 100,000    |            |            | 438,500    |
| Kansas.....               |         |           |           |            |           | 100,000    |            | 160,000    |            | 260,000    |
| Kentucky.....             |         |           |           |            |           | 160,000    | 285,000    | 350,000    | 700,000    | 1,695,000  |
| Louisiana.....            |         |           |           | 60,000     |           |            | 100,000    | 200,000    |            | 360,000    |
| Maine.....                |         | 100,000   | 300,000   | 100,000    |           | 85,000     |            |            | 675,000    | 1,290,000  |
| Maryland.....             |         |           |           | 1,182,500  | 2,311,500 | 7,319,300  | 7,485,000  | 7,057,000  | 14,323,000 | 39,678,300 |
| Massachusetts.....        |         |           | 350,000   | 5,225,000  | 430,000   | 1,077,000  |            |            |            | 7,111,000  |
| Michigan.....             |         | 210,000   | 160,000   |            |           |            |            |            |            | 370,000    |
| Minnesota.....            | 25,000  |           | 100,000   |            |           | 100,000    |            |            |            | 225,000    |
| Mississippi.....          |         |           |           | 100,000    | 148,000   | 100,000    | 614,000    | 375,000    |            | 1,337,000  |
| Missouri.....             | 1,000   |           |           |            | 300,000   | 400,000    | 220,000    | 350,000    | 200,000    | 1,471,000  |
| New Hampshire.....        |         |           |           |            |           | 125,000    |            |            |            | 125,000    |
| New York.....             | 430,000 |           |           |            |           |            |            |            |            | 430,000    |
| North Carolina.....       |         | 45,000    |           |            | 164,900   | 434,000    | 3,434,500  | 3,200,000  |            | 7,278,400  |
| Ohio.....                 | 1,000   | 50,000    | 325,000   | 175,000    | 134,700   |            | 60,000     | 100,000    | 200,000    | 1,045,700  |
| Pennsylvania.....         |         | 448,000   | 530,000   |            |           |            |            | 140,000    | 450,000    | 1,568,000  |
| Rhode Island.....         |         |           | 36,000    | 50,000     |           | 100,000    |            |            |            | 186,000    |
| South Carolina.....       |         |           |           | 80,000     | 50,000    |            | 100,000    | 75,000     | 1,310,000  | 1,615,000  |
| Tennessee.....            |         |           |           | 200,000    | 306,800   | 112,000    | 100,000    | 285,000    |            | 1,150,800  |
| Texas.....                |         |           | 60,000    | 60,000     |           |            |            | 575,000    |            | 695,000    |
| Utah.....                 |         | 5,000     |           |            |           |            |            |            |            | 5,000      |
| Vermont.....              |         | 400,000   | 935,000   | 550,000    | 645,000   | 90,000     |            |            |            | 2,620,000  |
| Virginia.....             |         | 1,410,000 |           | 3,803,650  | 860,600   | 110,000    | 1,856,000  | 545,000    | 160,000    | 8,744,650  |
| West Virginia.....        |         | 30,000    |           |            | 200,000   |            |            | 525,000    |            | 755,000    |
| Wisconsin.....            |         | 70,000    |           |            |           | 100,000    |            |            |            | 170,000    |
| Total.....                | 830,000 | 3,003,000 | 3,561,000 | 12,055,550 | 6,330,400 | 11,183,300 | 16,165,500 | 15,589,500 | 28,626,000 | 97,373,250 |

## RECAPITULATION, 1872-1889, INCLUSIVE.

|                                                         |              |              |
|---------------------------------------------------------|--------------|--------------|
| Hatched and returned to same waters .....               | 43, 523, 450 |              |
| Transported and planted in new waters .....             | 53, 849, 800 |              |
|                                                         |              | <hr/>        |
| Lost in efforts to transport in the United States ..... |              | 97, 373, 250 |
| Lost in efforts to transport to Germany .....           |              | 3, 845, 100  |
| Used for experiments .....                              |              | 500, 000     |
|                                                         |              | <hr/>        |
|                                                         |              | 670, 000     |

Grand total of shad hatched artificially by United States Fish Commission..... 102, 388, 350

NOTE.—The figures in this and the following five tables are made to agree with those in the six specific lists of distribution which follow under D. For 1880, the returns were not complete when these tables were made up, and hence the figures are somewhat too small. They should be corrected by means of the various tables in the report for that year.

C.—TABLE II.—Summary table of the number of California salmon (*Salmo gairdneri*) introduced into the waters of the different States, as specified in the tables of waters, having been hatched from eggs taken by the United States Fish Commission, 1872-1880, inclusive.

| States.             | From eggs<br>of 1872. | From eggs<br>of 1873. | From eggs<br>of 1874. | From eggs<br>of 1875. | From eggs<br>of 1876. | From eggs<br>of 1877. | From eggs<br>of 1878. | From eggs<br>of 1879. | From eggs<br>of 1880. | Total<br>decade. |
|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|
| Alabama.....        |                       |                       |                       |                       | 28,600                |                       | 2,000                 |                       |                       | 30,600           |
| Arkansas.....       |                       |                       |                       |                       |                       |                       | 11,000                |                       |                       | 11,000           |
| California.....     |                       | 500,000               | 500,000               | 850,000               | 1,520,000             | 3,200,000             | 3,723,000             | 2,000,000             | 2,000,000             | 14,273,000       |
| Colorado.....       |                       |                       | 22,900                |                       |                       |                       |                       |                       |                       | 22,900           |
| Connecticut.....    |                       | 11,000                | 284,700               | 460,000               | 477,286               |                       |                       |                       |                       | 1,232,986        |
| Delaware.....       |                       |                       |                       |                       | 10,400                |                       |                       |                       | 11,000                | 21,400           |
| Georgia.....        |                       |                       |                       |                       | 50,000                |                       | 29,000                |                       |                       | 79,000           |
| Illinois.....       |                       |                       | 80,000                | 38,700                | 168,500               | 61,000                | 90,000                |                       |                       | 430,200          |
| Indiana.....        |                       |                       | 31,000                | 319,000               | 93,500                |                       |                       |                       |                       | 443,500          |
| Iowa.....           |                       |                       | 238,700               |                       | 25,000                |                       | 281,500               |                       |                       | 565,200          |
| Kansas.....         |                       |                       |                       |                       |                       | 99,000                | 87,000                | 97,000                | 96,000                | 389,000          |
| Kentucky.....       |                       |                       |                       | 25,000                | 46,475                | 71,500                |                       |                       |                       | 142,975          |
| Louisiana.....      |                       |                       | 15,000                |                       | 38,200                |                       |                       |                       |                       | 53,200           |
| Maine.....          |                       | 5,000                 | 30,000                |                       |                       |                       | 12,700                |                       |                       | 47,700           |
| Maryland.....       |                       |                       | 129,000               | 265,264               | 733,340               | 238,100               | 502,930               | 572,276               | 354,223               | 2,901,139        |
| Massachusetts.....  |                       | 27,000                | 7,000                 | 75,000                | 99,000                | 89,100                |                       |                       |                       | 288,100          |
| Michigan.....       |                       | 76,230                | 306,600               | 784,700               |                       |                       | 215,421               |                       |                       | 1,453,351        |
| Minnesota.....      |                       |                       | 27,700                | 216,375               | 149,670               | 139,000               | 42,000                | 25,200                |                       | 600,505          |
| Mississippi.....    |                       |                       |                       |                       | 71,800                |                       |                       |                       |                       | 71,800           |
| Missouri.....       |                       |                       |                       |                       | 31,000                |                       | 150,000               | 190,000               | 175,000               | 546,000          |
| Nevada.....         |                       |                       |                       |                       |                       |                       | 200,000               |                       |                       | 200,000          |
| New Hampshire.....  |                       |                       |                       |                       | 100,000               | 100,000               | 367,000               |                       |                       | 567,000          |
| New Jersey.....     |                       | 375,000               | 5,000                 |                       | 58,000                | 67,000                | 448,000               | 490,000               | 279,429               | 1,632,429        |
| New York.....       |                       | 277,000               | 304,000               | 187,000               | 27,200                |                       |                       |                       |                       | 795,200          |
| North Carolina..... |                       |                       |                       |                       | 18,500                | 229,000               | 297,500               | 54,400                | 160,000               | 759,400          |
| Ohio.....           |                       | 46,000                | 10,000                | 150,000               | 50,000                | 220,000               | 44,000                | 100,000               |                       | 620,000          |
| Pennsylvania.....   | 6,000                 | 76,000                | 183,000               | 513,000               | 478,000               | 174,000               | 210,000               | 217,000               |                       | 1,857,000        |
| Rhode Island.....   |                       |                       | 68,900                | 115,000               |                       |                       |                       |                       |                       | 183,900          |
| South Carolina..... |                       |                       |                       |                       | 11,000                |                       | 29,000                | 31,000                |                       | 71,000           |
| Tennessee.....      |                       |                       |                       | 40,000                | 38,000                |                       |                       |                       |                       | 78,000           |
| Texas.....          |                       |                       | 14,000                | 180,000               | 20,000                |                       |                       |                       |                       | 214,000          |
| Utah.....           |                       | 38,000                | 195,900               | 112,000               | 34,200                | 75,000                |                       |                       |                       | 455,100          |
| Vermont.....        |                       | 35,000                |                       |                       |                       |                       |                       |                       |                       | 35,000           |
| Virginia.....       |                       | 45,000                | 30,000                | 160,000               | 148,400               | 92,000                | 276,000               | 373,500               |                       | 1,124,900        |
| West Virginia.....  |                       |                       |                       |                       | 33,000                | 9,875                 | 523,000               | 227,000               |                       | 792,875          |
| Wisconsin.....      |                       |                       | 29,000                | 47,000                | 75,000                | 137,300               | 200,000               | 251,200               | 90,000                | 829,500          |
| Total.....          | 6,000                 | 1,511,230             | 2,531,500             | 4,538,039             | 4,063,031             | 5,127,875             | 7,821,057             | 4,558,576             | 3,185,652             | 33,922,960       |

C.—TABLE III.—*Summary table of the number of Schoodic salmon (Salmo salar subs. seabago) introduced into the waters of the different States by the United States Fish Commission, 1873-1880, inclusive.*

| State.              | From<br>eggs of<br>1873. | From<br>eggs of<br>1874. | From<br>eggs of<br>1875. | From<br>eggs of<br>1876. | From<br>eggs of<br>1877. | From<br>eggs of<br>1878. | From<br>eggs of<br>1879. | Total.    |
|---------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------|
| California.....     |                          |                          |                          |                          | 39,950                   |                          |                          | 39,950    |
| Connecticut.....    |                          |                          | 135,000                  | 62,500                   | 165,000                  | 178,715                  | 91,000                   | 632,215   |
| Illinois.....       |                          |                          |                          |                          | 4,400                    |                          |                          | 4,400     |
| Indiana.....        |                          |                          |                          |                          | 25,000                   |                          | 10,000                   | 35,000    |
| Iowa.....           |                          |                          |                          |                          | 20,000                   |                          |                          | 20,000    |
| Kansas.....         |                          |                          |                          |                          |                          | 20,000                   | 93,000                   | 113,000   |
| Kentucky.....       |                          |                          |                          |                          | 5,500                    |                          |                          | 5,500     |
| Maine.....          | 2,000                    |                          | 250,000                  | 110,000                  | 497,200                  | 449,500                  |                          | 1,308,700 |
| Maryland.....       |                          |                          |                          |                          | 40,081                   | 20,500                   | 16,900                   | 83,481    |
| Massachusetts.....  |                          |                          | 195,000                  | 151,200                  | 218,000                  | 221,000                  | 176,000                  | 961,200   |
| Michigan.....       | 2,000                    |                          | 20,000                   |                          | 20,500                   |                          | 20,000                   | 71,500    |
| Minnesota.....      |                          | 4,750                    |                          | 7,750                    | 8,000                    | 48,500                   |                          | 69,000    |
| New Hampshire.....  |                          |                          |                          |                          | 20,000                   | 104,000                  | 61,400                   | 185,400   |
| New Jersey.....     |                          |                          |                          |                          | 58,000                   | 66,794                   |                          | 124,794   |
| New York.....       |                          |                          |                          |                          | 2,000                    | 39,000                   |                          | 41,000    |
| North Carolina..... |                          |                          |                          |                          | 15,500                   |                          |                          | 15,500    |
| Ohio.....           |                          |                          | 34,000                   |                          | 12,000                   | 6,000                    |                          | 52,000    |
| Pennsylvania.....   |                          |                          |                          |                          | 48,494                   | 35,500                   | 18,500                   | 102,494   |
| Rhode Island.....   |                          |                          | 19,600                   |                          | 9,500                    |                          |                          | 29,100    |
| South Carolina..... |                          |                          |                          |                          |                          |                          | 15,000                   | 15,000    |
| Vermont.....        |                          |                          | 40,000                   |                          | 24,000                   |                          |                          | 64,000    |
| Virginia.....       |                          | 2,500                    |                          | 10,500                   | 40,300                   | 27,350                   | 23,500                   | 104,150   |
| West Virginia.....  |                          |                          |                          |                          | 8,500                    | 44,419                   |                          | 52,919    |
| Wisconsin.....      |                          |                          | 38,000                   |                          | 5,000                    | 37,000                   |                          | 80,000    |
| Total.....          | 4,000                    | 7,250                    | 731,600                  | 341,950                  | 1,295,925                | 1,304,278                | 525,300                  | 4,210,303 |

C.—TABLE IV.—*Summary table of the number of Penobscot salmon (Salmo salar) introduced into the waters of the different States by the United States Fish Commission, 1872-1880, inclusive.*

| State.             | 1872.  | 1873.   | 1874.     | 1875.   | 1876.   | 1877.  | 1878. | 1879.  | 1880.  | Total.    |
|--------------------|--------|---------|-----------|---------|---------|--------|-------|--------|--------|-----------|
| California.....    |        |         | 305       |         |         |        |       |        |        | 305       |
| Connecticut.....   |        | 73,937  |           | 115,000 |         | 97,500 |       |        |        | 286,437   |
| Illinois.....      |        |         | 25,000    | 19,000  |         |        |       |        |        | 44,000    |
| Iowa.....          |        |         |           | 70,000  | 70,000  |        |       |        |        | 140,000   |
| Maine.....         |        | 154,750 | 228,613   | 209,000 | 320,000 |        |       |        |        | 912,363   |
| Maryland.....      |        |         |           | 72,800  |         |        |       |        | 58,729 | 131,529   |
| Massachusetts..... | 24,310 |         | 47,000    |         | 50,000  |        |       |        |        | 121,310   |
| Michigan.....      | 14,900 |         | 112,000   | 5,000   |         |        |       |        |        | 131,900   |
| Minnesota.....     |        |         |           | 24,600  |         |        |       |        |        | 24,600    |
| New Hampshire..... |        | 14,500  | 162,000   | 80,000  | 200,000 |        |       |        |        | 456,500   |
| New Jersey.....    |        | 33,000  | 168,000   | 79,000  |         |        |       | 20,572 |        | 300,572   |
| New York.....      |        | 62,500  |           | 125,000 |         |        |       |        |        | 187,500   |
| Ohio.....          |        | 2,500   |           | 50,000  |         |        |       |        |        | 52,500    |
| Pennsylvania.....  | 10,000 | 25,000  | 137,000   |         |         |        |       |        | 23,000 | 195,000   |
| Rhode Island.....  |        | 6,400   | 59,000    | 15,000  | 125,000 |        |       |        |        | 205,400   |
| Vermont.....       |        | 7,000   | 221,000   | 71,500  |         |        |       |        |        | 299,500   |
| Wisconsin.....     |        | 19,000  | 15,000    | 20,000  |         |        |       |        |        | 54,000    |
| Total.....         | 10,000 | 437,797 | 1,174,918 | 955,900 | 765,000 | 97,500 |       | 20,572 | 81,729 | 3,543,416 |

C.—TABLE V.—*Summary table of the number of white-fish (Coregonus albus) introduced into the waters of the different States by the United States Fish Commission, 1872–1880, inclusive.*

| State.          | 1872.  | 1873.  | 1874. | 1875.   | 1876.     | 1877.   | 1878. | 1879.   | 1880.   | Total.    |
|-----------------|--------|--------|-------|---------|-----------|---------|-------|---------|---------|-----------|
| California..... | 25,000 | 25,000 |       | 20,000  |           | 300,000 |       | 565,000 |         | 935,000   |
| Indiana.....    |        |        |       |         | 100,000   |         |       |         |         | 100,000   |
| Iowa.....       |        |        |       |         | 100,000   |         |       |         |         | 100,000   |
| Michigan.....   |        |        |       |         | 1,470,000 |         |       |         | 200,000 | 1,670,000 |
| New Jersey..... |        |        |       |         |           |         |       | 90,000  |         | 90,000    |
| Ohio.....       |        |        |       |         | 600,000   |         |       |         |         | 600,000   |
| Wisconsin.....  |        |        |       | 100,000 | 100,000   |         |       |         |         | 200,000   |
| Total.....      | 25,000 | 25,000 |       | 120,000 | 2,370,000 | 300,000 |       | 655,000 | 200,000 | 3,695,000 |

C.—TABLE VI.—*Summary table of the number of California trout (Salmo iridens) introduced into the waters of the different States by the United States Fish Commission, 1880.*

| State.              | 1880.  |
|---------------------|--------|
| Illinois.....       | 2,500  |
| Iowa.....           | 1,000  |
| Maryland.....       | 22,500 |
| Michigan.....       | 5,102  |
| Minnesota.....      | 1,900  |
| New Hampshire.....  | 2,000  |
| North Carolina..... | 4,300  |
| Pennsylvania.....   | 700    |
| South Carolina..... | 3,500  |
| West Virginia.....  | 500    |
| Total.....          | 44,002 |

*Recapitulation of young fish introduced into waters of the United States by the United States Fish Commission, 1872–1880, inclusive.*

|                              |             |
|------------------------------|-------------|
| Table I. Shad.....           | 102,388,350 |
| “ II. California salmon..... | 33,922,960  |
| “ III. Schoodic salmon.....  | 4,210,303   |
| “ IV. Penobscot salmon.....  | 3,643,416   |
| “ V. White fish.....         | 3,695,000   |
| “ VI. California trout.....  | 44,002      |
| Total.....                   | 147,804,031 |

In addition to the above there were carp distributed in 1879 and 1880 to the number of 61,410; for the particulars of which see Report of 1880, pp. xli and xlii.

D.—TABLE I.—Distribution of *shad* from 1872 to 1880, inclusive.

| State.               | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—        | Where fish were hatched.  | By whom transferred.               | Estimated number of fish. |
|----------------------|---------------|----------------------------------------|-----------------------------------|----------------------|---------------------------|------------------------------------|---------------------------|
| Alabama              | July 11, 1876 | Montgomery, Ala.                       | Alabama River                     | Mobile River         | South Hadley Falls, Mass. | Kumlien and Bean.                  | 90,000                    |
|                      | May 29, 1877  | Montgomery, Ala.                       | Tallapoosa River                  | Alabama River        | Spesutie Narrows, Md.     | L. Kumlien                         | 75,000                    |
|                      | Apr. 13, 1878 | Demopolis, Ala.                        | Tombigbee River                   | Mobile River         | Avoca, N. C.              | J. F. Ellis                        | 116,000                   |
|                      | May 24, 1878  | Pollard, Ala.                          | Escambia River                    | Pensacola Bay        | Havre de Grace, Md.       | F. A. Ingalls                      | 100,000                   |
|                      | June 9, 1878  | Salisbury, Ala.                        | Tallapoosa River                  | Alabama River        | Havre de Grace, Md.       | J. M. Donaldson                    | 50,000                    |
|                      | May 13, 1879  | Union Springs, Ala.                    | Pea River                         | Choctawhatchee River | Avoca, N. C.              | L. Kumlien                         | 90,000                    |
|                      | May 13, 1879  | Union Springs, Ala.                    | Conecha River                     | Escambia River       | Avoca, N. C.              | L. Kumlien                         | 85,000                    |
|                      | June 13, 1879 | Lebanon, Ala.                          | Big Wills Creek                   | Coosa River          | Old Bay Fishery, Md.      | J. F. Ellis                        | 45,000                    |
|                      | June 13, 1879 | Tuscaloosa, Ala.                       | Black Warrior River               | Tombigbee River      | Old Bay Fishery, Md.      | J. F. Ellis                        | 45,000                    |
|                      | May 13, 1879  | Columbia, Ala.                         | Tombigbee River                   | Mobile Bay           | Old Bay Fishery, Md.      | C. W. Schurmann                    | 75,000                    |
| Arkansas             | Aug. 7, 1876  | Newport, Ark.                          | White River                       | Mississippi River    | South Hadley Falls, Mass. | Anderson and Smith                 | 73,200                    |
|                      | July 14, 1877 | Fulton, Ark.                           | Red River                         | Mississippi River    | South Hadley Falls, Mass. | R. E. Earll                        | 80,000                    |
|                      | June 1, 1878  | Benton, Ark.                           | Saline River                      | Washita River        | Havre de Grace, Md.       | H. E. Quinn                        | 50,000                    |
|                      | June 1, 1878  | Arkadelphia, Ark.                      | Caddo River                       | Washita River        | Havre de Grace, Md.       | H. E. Quinn                        | 50,000                    |
|                      | June 11, 1879 | White County, Ark.                     | Little Red River                  | White River          | Old Bay Fishery, Md.      | W. M. Russ                         | 20,000                    |
|                      | June 11, 1879 | Saline County, Ark.                    | Saline River                      | Washita River        | Old Bay Fishery, Md.      | W. M. Russ                         | 25,000                    |
|                      | June 11, 1879 | Clark County, Ark.                     | Quachita River                    | Black River          | Old Bay Fishery, Md.      | W. M. Russ                         | 40,000                    |
|                      | June 11, 1879 | Fulton, Ark.                           | Red River                         | Mississippi River    | Old Bay Fishery, Md.      | W. M. Russ                         | 40,000                    |
| California           | July 2, 1873  | Tehama, Cal.                           | Sacramento River                  | San Francisco Bay    | Coeymans, N. Y.           | Livingston Stone and H. W. Welsch. | 35,000                    |
|                      | Aug. 8, 1876  | Tehama, Cal.                           | Sacramento River                  | San Francisco Bay    | South Hadley Falls, Mass. | Clark and Bean                     | 90,000                    |
|                      | June 6, 1877  | Tehama, Cal.                           | Sacramento River                  | San Francisco Bay    | Spesutie Narrows, Md.     | F. N. Clark                        | 100,000                   |
|                      | June 11, 1878 | Tehama, Cal.                           | Sacramento River                  | San Francisco Bay    | Havre de Grace, Md.       | F. N. Clark                        | 150,000                   |
|                      | June 18, 1880 | Tehama, Cal.                           | Sacramento River                  | San Francisco Bay    | Potomac Station           | Ellis and Davenport                | 215,000                   |
|                      | July 7, 1872  | Denver, Colo.                          | Platte River                      | Missouri River       | South Hadley Falls, Mass. | Rev. Wm. Clift                     | 2,000                     |
| Connecticut          | July 8, 1873  | New Milford, Conn.                     | Housatonic River                  | Naugatuck River      | South Hadley Falls, Mass. | J. W. Milner and J. Mason.         | 90,000                    |
|                      | July 22, 1874 | Noank, Conn.                           | (Used for experiments)            |                      | South Hadley Falls, Mass. | Mather and Vealey                  | 20,000                    |
| Delaware             | July 23, 1874 | Putnam, Conn.                          | Thames River                      | Long Island Sound    | South Hadley Falls, Mass. | Mather and Vealey                  | 110,000                   |
|                      | Aug. 3, 1874  | New Milford, Conn.                     | Housatonic River                  | Naugatuck River      | South Hadley Falls, Mass. | F. N. Clark                        | 100,000                   |
|                      | Aug. 15, 1874 | Noank, Conn.                           | (Used for experiments)            |                      | South Hadley Falls, Mass. | C. D. Griswold                     | 50,000                    |
|                      | July 9, 1875  | Canterbury, Conn.                      | Quinnabaug River                  | Thames River         | South Hadley Falls, Mass. | H. E. Quinn                        | 100,000                   |
|                      | June 12, 1877 | Seaford, Del.                          | Nanticoke River                   | Chesapeake Bay       | Spesutie Narrows, Md.     | J. W. Milner                       | 100,000                   |
|                      | May 24, 1879  | Seaford, Del.                          | Nanticoke River                   | Chesapeake Bay       | Spesutie Narrows, Md.     | Thomas Hughlett, jr.               | 20,000                    |
|                      | June 13, 1879 | Blackbird, Del.                        | Appoquinimink Creek               | Delaware Bay         | Old Bay Fishery, Md.      | Thomas Hughlett, jr.               | 50,000                    |
|                      | June 13, 1879 | Clayton, Del.                          | Duck Creek                        | Delaware Bay         | Old Bay Fishery, Md.      | Thomas Hughlett, jr.               | 25,000                    |
|                      | June 13, 1879 | Milford, Del.                          | Mispillion Creek                  | Delaware Bay         | Old Bay Fishery, Md.      | Thomas Hughlett, jr.               | 100,000                   |
|                      | May 23, 1880  | Seaford, Del.                          | Nanticoke River                   | Chesapeake Bay       | Havre de Grace, Md.       | N. Simmons                         | 1,050,000                 |
| District of Columbia | May 23, 1880  | Wilmington, Del.                       | Christiana Creek                  | Delaware River       | Havre de Grace, Md.       | N. Simmons                         | 120,000                   |
|                      | May 23, 1880  | Dover, Del.                            | Jones Creek                       | Delaware Bay         | Havre de Grace, Md.       | N. Simmons                         | 180,000                   |
|                      | May 27, 1878  | Washington, D. C.                      | Potomac River                     | Chesapeake Bay       | Havre de Grace, Md.       | U. S. Fish Commission              | 400,000                   |
|                      | June 11, 1879 | Georgetown, D. C.                      | Little Falls of Potomac River.    | Chesapeake Bay       | Spesutie Narrows, Md.     | J. F. Ellis                        | 100,000                   |

D.—TABLE I.—*Distribution of shad from 1872 to 1880, inclusive—Continued.*

| State.                          | Date.        | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—   | Where fish were hatched. | By whom transferred.  | Estimated number of fish. |
|---------------------------------|--------------|----------------------------------------|-----------------------------------|-----------------|--------------------------|-----------------------|---------------------------|
| District of Columbia—Continued. | May 8, 1880  | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River.  | Potomac Station          | William P. Sauerhoff  | 335,000                   |
|                                 | May 9, 1880  | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River   | Potomac Station          | William P. Sauerhoff. | 50,000                    |
|                                 | May 11, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River.  | Potomac Station          | C. W. Schuermann      | 110,000                   |
|                                 | May 15, 1880 | Washington, D. C.                      | Potomac River                     | Chesapeake Bay  | Potomac Station          | C. W. Schuermann      | 60,000                    |
|                                 | May 16, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River.  | Potomac Station          | C. W. Schuermann      | 20,000                    |
|                                 | May 17, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River   | Potomac Station          | C. W. Schuermann      | 100,000                   |
|                                 | May 18, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River   | Potomac Station          | C. W. Schuermann      | 200,000                   |
|                                 | May 20, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River.  | Potomac Station          | Sauerhoff & Hamlen    | 400,000                   |
|                                 | May 21, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River   | Potomac Station          | Sauerhoff & Hamlen    | 200,000                   |
|                                 | May 22, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River.  | Potomac Station          | C. W. Schuermann      | 600,000                   |
|                                 | May 24, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River   | Potomac Station          | Clark and Schuermann  | 800,000                   |
|                                 | May 25, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River   | Potomac Station          | F. N. Clark           | 400,000                   |
|                                 | May 26, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River   | Potomac Station          | C. W. Schuermann      | 400,000                   |
|                                 | May 27, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River.  | Potomac Station          | F. N. Clark           | 450,000                   |
|                                 | May 28, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River.  | Potomac Station          | F. N. Clark           | 150,000                   |
|                                 | May 29, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River.  | Potomac Station          | F. N. Clark           | 200,000                   |
|                                 | June 1, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River.  | Potomac Station          | F. N. Clark           | 30,000                    |
|                                 | June 4, 1880 | Georgetown, D. C.                      | Little Falls of Potomac River.    | Chesapeake Bay  | Potomac Station          | F. N. Clark           | 600,000                   |
|                                 | June 4, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River   | Potomac Station          | F. N. Clark           | 175,000                   |
|                                 | June 5, 1880 | Georgetown, D. C.                      | Little Falls of Potomac River.    | Chesapeake Bay. | Potomac Station          | William H. Jenkins.   | 600,000                   |
|                                 | June 5, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River   | Potomac Station          | F. N. Clark           | 300,000                   |
|                                 | June 6, 1880 | Washington, D. C.                      | East Branch of Potomac River.     | Potomac River.  | Potomac Station          | F. N. Clark           | 300,000                   |

|          |               |                              |                                |                    |                           |                           |         |
|----------|---------------|------------------------------|--------------------------------|--------------------|---------------------------|---------------------------|---------|
|          | June 8, 1880  | Georgetown, D. C.            | Little Falls of Potomac River. | Chesapeake Bay     | Potomac Station           | S. M. Rixey               | 400,000 |
|          | June 12, 1880 | Washington, D. C.            | East Branch of Potomac River.  | Potomac River      | Potomac Station           | F. N. Clark               | 75,000  |
|          | June 12, 1880 | Georgetown, D. C.            | Little Falls of Potomac River. | Chesapeake Bay     | Potomac Station           | W. H. Jenkins, jr.        | 500,000 |
|          | June 13, 1880 | Washington, D. C.            | East Branch of Potomac River.  | Potomac River      | Potomac Station           | F. N. Clark               | 300,000 |
| Florida  | May 2, 1878   | Jefferson County, Fla.       | Ocilla River                   | Gulf of Mexico     | Avoca, N. C.              | C. W. Schuermann          | 60,000  |
|          | May 2, 1878   | Midway, Fla.                 | Ocklockonee River              | Gulf of Mexico     | Avoca, N. C.              | C. W. Schuermann          | 60,000  |
| Georgia  | July 22, 1878 | Rome, Ga.                    | Coosa River                    | Alabama River      | South Hadley Falls, Mass. | Clark and Quinn           | 60,000  |
|          | June 2, 1878  | Atlanta, Ga.                 | Chattahoochee River            | Apalachicola River | Havre de Grace, Md.       | A. A. Anderson            | 122,500 |
|          | June 2, 1878  | Macon, Ga.                   | Ocmulgee River                 | Altamaha River     | Havre de Grace, Md.       | T. H. Dean                | 79,800  |
|          | June 3, 1878  | Milledgeville, Ga.           | Oconee River                   | Altamaha River     | Havre de Grace, Md.       | L. Kneiblen               | 40,900  |
|          | May 22, 1877  | Macon, Ga.                   | Ocmulgee River                 | Altamaha River     | Spesutie Narrows, Md.     | H. E. Quinn               | 100,000 |
|          | May 21, 1877  | Milledgeville, Ga.           | Oconee River                   | Altamaha River     | Spesutie Narrows, Md.     | C. D. Griswold            | 100,000 |
|          | June 9, 1877  | Covington, Ga.               | Ocmulgee River                 | Altamaha River     | Spesutie Narrows, Md.     | C. D. Griswold            | 100,000 |
|          | July 13, 1877 | Columbus and West Point, Ga. | Chattahoochee River            | Apalachicola River | South Hadley Falls, Mass. | C. D. Griswold            | 100,000 |
|          | July 13, 1877 | West Point, Ga.              | Chattahoochee River            | Apalachicola River | South Hadley Falls, Mass. | C. D. Griswold            | 10,000  |
|          | Apr. 25, 1878 | Macon, Ga.                   | Ocmulgee River                 | Altamaha River     | Avoca, N. C.              | H. E. Quinn               | 60,000  |
|          | Apr. 25, 1878 | Albany, Ga.                  | Flint River                    | Apalachicola River | Avoca, N. C.              | H. E. Quinn               | 60,000  |
|          | May 25, 1878  | Montezuma, Ga.               | Flint River                    | Apalachicola River | Havre de Grace, Md.       | J. F. Ellis               | 150,000 |
|          | June 9, 1878  | Cartersville, Ga.            | Etowah River                   | Coosa River        | Havre de Grace, Md.       | J. M. Donaldson           | 50,000  |
|          | Apr. 28, 1878 | Columbus, Ga.                | Chattahoochee River            | Apalachicola River | Avoca, N. C.              | L. Kneiblen               | 75,000  |
|          | May 2, 1878   | Stockton, Ga.                | Altamaha River                 | Savannah River     | Avoca, N. C.              | C. W. Schuermann          | 40,000  |
|          | May 2, 1878   | Oasley, Ga.                  | Little River                   | Savannah River     | Avoca, N. C.              | C. W. Schuermann          | 40,000  |
|          | May 3, 1878   | Macon, Ga.                   | Ocmulgee River                 | Altamaha River     | Avoca, N. C.              | J. F. Ellis               | 100,000 |
|          | May 7, 1878   | Covington, Ga.               | Uchee River                    | Ocmulgee River     | Avoca, N. C.              | C. W. Schuermann          | 60,000  |
|          | May 7, 1878   | Congers, Ga.                 | Yellow River                   | Ocmulgee River     | Avoca, N. C.              | C. W. Schuermann          | 60,000  |
|          | May 28, 1878  | Habersham County, Ga.        | Tugaloo River                  | Savannah River     | Spesutie Narrows, Md.     | H. E. Quinn               | 50,000  |
|          | May 29, 1878  | Gainesville, Ga.             | Chattahoochee River            | Apalachicola River | Spesutie Narrows, Md.     | H. E. Quinn               | 37,500  |
|          | May 29, 1878  | Resaca, Ga.                  | Coosa River                    | Alabama River      | Spesutie Narrows, Md.     | H. E. Quinn               | 100,000 |
|          | May 25, 1880  | Greene County, Ga.           | Oconee River                   | Altamaha River     | Potomac Station           | J. F. Ellis               | 236,000 |
|          | May 25, 1880  | Covington, Ga.               | Yellow River                   | Ocmulgee River     | Potomac Station           | J. F. Ellis               | 236,000 |
|          | May 25, 1880  | Boltonville, Ga.             | Chattahoochee River            | Apalachicola River | Potomac Station           | J. F. Ellis               | 236,000 |
|          | June 13, 1880 | Milledgeville, Ga.           | Oconee River                   | Altamaha River     | Potomac Station           | C. W. Schuermann          | 150,000 |
|          | June 13, 1880 | Albany, Ga.                  | Flint River                    | Apalachicola River | Potomac Station           | C. W. Schuermann          | 150,000 |
| Illinois | June 16, 1878 | South Chicago, Ill.          | Calumet River                  | Lake Michigan      | Coeymans, N. Y.           | J. Mason                  | 70,000  |
|          | July 9, 1874  | Rockford, Ill.               | Rock River                     | Mississippi River  | Coeymans, N. Y.           | Welsch and Chase          | 70,000  |
|          | July 31, 1878 | Rockford, Ill.               | Rock River                     | Mississippi River  | South Hadley Falls, Mass. | Chase and Ingalls         | 60,000  |
|          | May 27, 1878  | Farlow, Ill.                 | Kaskaskia River                | Mississippi River  | Havre de Grace, Md.       | C. W. Schuermann          | 100,000 |
|          | June 2, 1878  | Rockford, Ill.               | Rock River                     | Mississippi River  | Havre de Grace, Md.       | C. W. Schuermann          | 100,000 |
|          | June 9, 1878  | Charleston, Ill.             | Embarras River                 | Wabash River       | Havre de Grace, Md.       | W. H. Hines               | 50,000  |
|          | June 9, 1878  | Marion, Ill.                 | Mississinewa River             | Wabash River       | Havre de Grace, Md.       | W. H. Hines               | 50,000  |
| Indiana  | July 4, 1872  | Indianapolis, Ind.           | White River                    | Ohio River         | South Hadley Falls, Mass. | Rev. Wm. Clift            | 400,000 |
|          | June 30, 1873 | Logansport, Ind.             | Wabash River                   | Ohio River         | Coeymans, N. Y.           | J. W. Milner and J. Mason | 40,000  |
|          | June 30, 1874 | Logansport, Ind.             | Wabash River                   | Ohio River         | Coeymans, N. Y.           | Mather and Vealey         | 75,000  |
|          | July 22, 1874 | Indianapolis, Ind.           | White River                    | Ohio River         | South Hadley Falls, Mass. | Mason and Clark           | 80,000  |
|          | July 30, 1874 | Elkhart, Ind.                | Saint Joseph River             | Lake Michigan      | South Hadley Falls, Mass. | F. N. Clark               | 80,000  |
|          | July 31, 1874 | Columbus, Ind.               | White River                    | Ohio River         | South Hadley Falls, Mass. | H. J. Brooks              | 80,000  |

D.—TABLE I.—Distribution of shad from 1872 to 1880, inclusive—Continued

| State.          | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—      | Where fish were hatched.  | By whom transferred.  | Estimated number of fish. |
|-----------------|---------------|----------------------------------------|-----------------------------------|--------------------|---------------------------|-----------------------|---------------------------|
| Indiana—Cont'd. | June 13, 1873 | Indianapolis, Ind.                     | White River                       | Ohio River         | Coeymans, N. Y.           | F. N. Clark           | 100,000                   |
|                 | June 1, 1878  | Elkhart, Ind.                          | Elkhart River                     | Lake Michigan      | Harre de Grace, Md.       | J. F. Ellis           | 100,000                   |
|                 | June 9, 1878  | Terre Haute, Ind.                      | Wabash River                      | Ohio River         | Harre de Grace, Md.       | H. E. Quinn           | 65,000                    |
|                 | June 7, 1879  | Terre Haute, Ind.                      | Wabash River                      | Ohio River         | Spesutie Narrows, Md.     | H. E. Quinn           | 100,000                   |
|                 | June 12, 1879 | Indianapolis, Ind.                     | White River                       | Wabash River       | Spesutie Narrows, Md.     | Newton Simmons        | 50,000                    |
|                 | June 20, 1880 | Lafayette, Ind.                        | Wabash River                      | Ohio River         | Potomac Station           | H. E. Quinn           | 200,000                   |
| Iowa.           | July 30, 1874 | Ottumwa, Iowa                          | Des Moines River                  | Mississippi River  | South Hadley Falls, Mass. | Mather and Vealey     | 60,000                    |
|                 | July 30, 1874 | Des Moines, Iowa                       | Des Moines River                  | Mississippi River  | South Hadley Falls, Mass. | Mather and Vealey     | 40,000                    |
|                 | June 27, 1875 | Des Moines, Iowa                       | Des Moines River                  | Mississippi River  | Coeymans, N. Y.           | Clark and Quinn       | 90,000                    |
|                 | July 16, 1876 | Des Moines, Iowa                       | Des Moines River                  | Mississippi River  | South Hadley Falls, Mass. | Quinn, Cory, and Shaw | 148,000                   |
|                 | June 12, 1878 | Cedar Rapids, Iowa                     | Cedar River                       | Mississippi River  | Harre de Grace, Md.       | R. F. Shaw            | 40,000                    |
|                 | June 12, 1878 | Logan, Iowa                            | Boyer River                       | Mississippi River  | Harre de Grace, Md.       | R. F. Shaw            | 20,000                    |
|                 | June 12, 1878 | Mongona, Iowa                          | Des Moines River                  | Mississippi River  | Harre de Grace, Md.       | B. F. Shaw            | 40,000                    |
|                 | June 1, 1877  | Topeka, Kans.                          | Big Blue River                    | Kansas River       | Spesutie Narrows, Md.     | H. E. Quinn           | 100,000                   |
|                 | June 1, 1879  | La Cygne, Kans.                        | Marais des Cygnes River           | Osage River        | Spesutie Narrows, Md.     | J. F. Ellis           | 20,000                    |
|                 | June 1, 1879  | Manhattan, Kans.                       | Blno River                        | Kansas River       | Spesutie Narrows, Md.     | J. F. Ellis           | 15,000                    |
| Kansas          | June 1, 1879  | Davis County, Kans.                    | Republican River                  | Kansas River       | Spesutie Narrows, Md.     | J. F. Ellis           | 15,000                    |
|                 | June 1, 1879  | Saline County, Kans.                   | Solomon River                     | Kansas River       | Spesutie Narrows, Md.     | J. F. Ellis           | 15,000                    |
|                 | June 1, 1879  | Ellsworth, Kans.                       | Smoky Hill River                  | Kansas River       | Spesutie Narrows, Md.     | J. F. Ellis           | 15,000                    |
|                 | June 1, 1879  | Reading, Kans.                         | Marais des Cygnes River           | Osage River        | Spesutie Narrows, Md.     | J. F. Ellis           | 5,000                     |
|                 | June 1, 1879  | Emporia, Kans.                         | Neosho River                      | Arkansas River     | Spesutie Narrows, Md.     | J. F. Ellis           | 10,000                    |
|                 | June 1, 1879  | Cottonwood Falls, Kans.                | Cottonwood River                  | Neosho River       | Spesutie Narrows, Md.     | J. F. Ellis           | 2,000                     |
|                 | June 1, 1879  | Florence, Kans.                        | Cottonwood River                  | Neosho River       | Spesutie Narrows, Md.     | J. F. Ellis           | 3,000                     |
|                 | June 1, 1879  | Florence, Kans.                        | Dorle Creek                       | Neosho River       | Spesutie Narrows, Md.     | J. F. Ellis           | 3,000                     |
|                 | June 1, 1879  | Halstead, Kans.                        | Little River                      | Arkansas River     | Spesutie Narrows, Md.     | J. F. Ellis           | 5,000                     |
|                 | June 1, 1879  | Hutchinson, Kans.                      | Cow River                         | Arkansas River     | Spesutie Narrows, Md.     | J. F. Ellis           | 5,000                     |
|                 | June 1, 1879  | El Dorado, Kans.                       | Walnut River                      | Arkansas River     | Spesutie Narrows, Md.     | J. F. Ellis           | 10,000                    |
|                 | June 1, 1879  | Great Bend, Kans.                      | Walnut River                      | Arkansas River     | Spesutie Narrows, Md.     | J. F. Ellis           | 10,000                    |
|                 | June 1, 1879  | Larned, Kans.                          | Pawnee River                      | Arkansas River     | Spesutie Narrows, Md.     | J. F. Ellis           | 27,000                    |
|                 | June 1, 1877  | Mount Sterling, Ky.                    | Licking River                     | Ohio River         | Spesutie Narrows, Md.     | F. A. Ingalls         | 50,000                    |
|                 | July 18, 1877 | Munfordsville, Ky.                     | Green River                       | Ohio River         | South Hadley Falls, Mass. | F. N. Clark           | 110,000                   |
|                 | May 26, 1878  | Somerset, Ky.                          | Cumberland River                  | Ohio River         | Harre de Grace, Md.       | H. E. Quinn           | 60,000                    |
|                 | May 26, 1878  | McKinney's Station, Ky.                | Green River                       | Ohio River         | Harre de Grace, Md.       | H. E. Quinn           | 60,000                    |
| Kentucky        | June 3, 1876  | Dorling Green, Ky.                     | Big Barren River                  | Green River        | Harre de Grace, Md.       | William Russ          | 100,000                   |
|                 | June 4, 1878  | Mercer County, Ky.                     | Kentucky River                    | Ohio River         | Harre de Grace, Md.       | F. A. Ingalls         | 130,000                   |
|                 | June 4, 1878  | Scott County, Ky.                      | Elkhorn Creek                     | Kentucky River     | Harre de Grace, Md.       | F. A. Ingalls         | 45,000                    |
|                 | May 28, 1879  | Shepherdsville, Ky.                    | Salt River                        | Ohio River         | Spesutie Narrows, Md.     | J. F. Ellis           | 200,000                   |
|                 | June 1, 1879  | Shepherdsville, Ky.                    | Salt River                        | Ohio River         | Spesutie Narrows, Md.     | N. Simmons            | 150,000                   |
|                 | June 7, 1880  | Shepherdsville, Ky.                    | Salt River                        | Ohio River         | Potomac Station           | Hon. William Griffith | 700,000                   |
|                 | July 29, 1875 | Tickfaw, La.                           | Notalbany River                   | Lake Pontchartrain | South Hadley Falls, Mass. | Mather and Bell       | 60,000                    |
|                 | May 27, 1878  | Tickfaw, La.                           | Amito River                       | Lake Pontchartrain | Harre de Grace, Md.       | W. M. Russ            | 100,000                   |
|                 | May 8, 1879   | Railroad, Madison County, La.          | Roundaway Creek                   | Mississippi River  | Atoca, N. C.              | H. E. Quinn           | 30,000                    |

|          |               |                                |                    |                   |                           |                         |         |
|----------|---------------|--------------------------------|--------------------|-------------------|---------------------------|-------------------------|---------|
|          | May 8, 1879   | Railroad, Madison County, La.  | Tensas River       | Mississippi River | Avoca, N. C.              | H. E. Quinn             | 35,000  |
|          | May 8, 1879   | Railroad, Richland County, La. | Bayou Macon        | Tensas River      | Avoca, N. C.              | H. E. Quinn             | 30,000  |
|          | May 8, 1879   | Railroad, Richland County, La. | Boeuf River        | Washita River     | Avoca, N. C.              | H. E. Quinn             | 35,000  |
|          | May 8, 1879   | Railroad, Richland County, La. | Clear Lake         | Black River       | Avoca, N. C.              | H. E. Quinn             | 35,000  |
| Maine    | May 8, 1879   | Monroe, La.                    | Washita River      | Red River         | Avoca, N. C.              | H. E. Quinn             | 35,000  |
|          | July 12, 1873 | Mattawamkeag, Me.              | Mattawamkeag River | Penobscot River   | South Hadley Falls, Mass. | J. W. Milner & J. Mason | 100,000 |
|          | July 25, 1873 | Waterville, Me.                | Kennebec River     | Atlantic Ocean    | South Hadley Falls, Mass. | Mason and Clark         | 100,000 |
|          | July 28, 1874 | Mattawamkeag, Me.              | Mattawamkeag River | Penobscot River   | South Hadley Falls, Mass. | Webster and Griswold    | 100,000 |
|          | Aug. 14, 1874 | Mattawamkeag, Me.              | Mattawamkeag River | Penobscot River   | South Hadley Falls, Mass. | H. J. Brooks            | 100,000 |
|          | July 12, 1875 | Mattawamkeag, Me.              | Mattawamkeag River | Penobscot River   | South Hadley Falls, Mass. | Quinn and Griswold      | 100,000 |
|          | Aug. 7, 1877  |                                | Penobscot River    | Penobscot Bay     | South Hadley Falls, Mass. | H. J. Rice              | 85,000  |
|          | June 15, 1880 | Waterville, Me.                | Kennebec River     | Atlantic Ocean    | Harre de Grace, Md.       | H. E. Quinn             | 337,500 |
|          | June 15, 1880 | Mattawamkeag, Me.              | Penobscot River    | Penobscot Bay     | Harre de Grace, Md.       | H. E. Quinn             | 337,500 |
|          | May 31, 1875  | Moxley Point, Md.              | Potomac River      | Chesapeake Bay    | Moxley Point, Md.         | Not transferred         | 185,000 |
| Maryland | June 1, 1875  | Moxley Point, Md.              | Potomac River      | Chesapeake Bay    | Moxley Point, Md.         | Not transferred         | 282,500 |
|          | June 3, 1875  | Moxley Point, Md.              | Potomac River      | Chesapeake Bay    | Moxley Point, Md.         | Not transferred         | 220,000 |
|          | June 4, 1875  | Moxley Point, Md.              | Potomac River      | Chesapeake Bay    | Moxley Point, Md.         | Not transferred         | 210,000 |
|          | June 5, 1875  | Moxley Point, Md.              | Potomac River      | Chesapeake Bay    | Moxley Point, Md.         | Not transferred         | 165,000 |
|          | June 6, 1875  | Moxley Point, Md.              | Potomac River      | Chesapeake Bay    | Moxley Point, Md.         | Not transferred         | 70,000  |
|          | June 7, 1875  | Moxley Point, Md.              | Potomac River      | Chesapeake Bay    | Moxley Point, Md.         | Not transferred         | 110,000 |
|          | May 10, 1876  | Bristol Landing, Md.           | Patuxent River     | Chesapeake Bay    | Bristol Landing, Md.      | Not transferred         | 50,000  |
|          | May 11, 1876  | Bristol Landing, Md.           | Patuxent River     | Chesapeake Bay    | Bristol Landing, Md.      | Not transferred         | 75,000  |
|          | May 12, 1876  | Bristol Landing, Md.           | Patuxent River     | Chesapeake Bay    | Bristol Landing, Md.      | Not transferred         | 50,000  |
|          | May 18, 1876  | Carpenter's Point, Md.         | North East River   | Chesapeake Bay    | Carpenter's Point, Md.    | Not transferred         | 108,000 |
|          | May 19, 1876  | Carpenter's Point, Md.         | North East River   | Chesapeake Bay    | Carpenter's Point, Md.    | Not transferred         | 108,000 |
|          | May 22, 1876  | Carpenter's Point, Md.         | North East River   | Chesapeake Bay    | Carpenter's Point, Md.    | Not transferred         | 162,000 |
|          | May 23, 1876  | Carpenter's Point, Md.         | North East River   | Chesapeake Bay    | Carpenter's Point, Md.    | Not transferred         | 168,000 |
|          | May 24, 1876  | Carpenter's Point, Md.         | North East River   | Chesapeake Bay    | Carpenter's Point, Md.    | Not transferred         | 46,000  |
|          | May 26-7, 76  | Carpenter's Point, Md.         | North East River   | Chesapeake Bay    | Carpenter's Point, Md.    | Not transferred         | 110,000 |
|          | May 29, 1876  | Carpenter's Point, Md.         | North East River   | Chesapeake Bay    | Carpenter's Point, Md.    | Not transferred         | 165,500 |
|          | May 31, 1876  | Carpenter's Point, Md.         | North East River   | Chesapeake Bay    | Carpenter's Point, Md.    | Not transferred         | 15,000  |
|          | May 31, 1876  | Swan Creek, Md.                | Susquehanna River  | Chesapeake Bay    | Swan Creek, Md.           | Not transferred         | 30,000  |
|          | June 2, 1876  | Swan Creek, Md.                | Susquehanna River  | Chesapeake Bay    | Swan Creek, Md.           | Not transferred         | 50,000  |
|          | June 6, 1876  | Swan Creek, Md.                | Susquehanna River  | Chesapeake Bay    | Swan Creek, Md.           | Not transferred         | 80,000  |
|          | June 7, 1876  | Swan Creek, Md.                | Susquehanna River  | Chesapeake Bay    | Swan Creek, Md.           | Not transferred         | 70,000  |
|          | June 7, 1876  | Harre de Grace, Md.            | Susquehanna River  | Chesapeake Bay    | Fishing Battery Station   | Not transferred         | 90,000  |
|          | June 9, 1876  | Cumberland, Md.                | Potomac River      | Chesapeake Bay    | Harre de Grace, Md.       | Anderson and Kumbra     | 178,000 |
|          | June 10, 1876 | Swan Creek, Md.                | Susquehanna River  | Chesapeake Bay    | Swan Creek, Md.           | Not transferred         | 50,000  |
|          | June 10, 1876 | Harre de Grace, Md.            | Susquehanna River  | Chesapeake Bay    | Fishing Battery Station   | Not transferred         | 190,000 |
|          | June 1-14, 76 | Harre de Grace, Md.            | Susquehanna River  | Chesapeake Bay    | Harre de Grace Station    | Not transferred         | 272,000 |
|          |               |                                |                    | No. 1.            |                           |                         |         |
|          | June 16, 1876 | Harre de Grace, Md.            | Susquehanna River  | Chesapeake Bay    | Harre de Grace Station    | Not transferred         | 70,000  |
|          |               |                                |                    | No. 2.            |                           |                         |         |
|          | June 17, 1876 | Harre de Grace, Md.            | Susquehanna River  | Chesapeake Bay    | Harre de Grace Station    | Not transferred         | 30,000  |
|          |               |                                |                    | No. 2.            |                           |                         |         |
|          | June 18, 1876 | Harre de Grace, Md.            | Susquehanna River  | Chesapeake Bay    | Harre de Grace Station    | Not transferred         | 25,000  |
|          |               |                                |                    | No. 2.            |                           |                         |         |
|          | June 20, 1876 | Harre de Grace, Md.            | Susquehanna River  | Chesapeake Bay    | Fishing Battery Station   | Not transferred         | 70,000  |

D.—TABLE I.—Distribution of shad from 1872 to 1880, inclusive—Continued.

| State.              | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—     | Where fish were hatched. | By whom transferred. | Estimated number of fish. |
|---------------------|---------------|----------------------------------------|-----------------------------------|-------------------|--------------------------|----------------------|---------------------------|
| Maryland—Continued. | June 21, 1876 | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay    | Fishing Battery Station  | Not transferred      | 100,000                   |
|                     | May 17, 1877  | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 200,000                   |
|                     | May 18, 1877  | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 785,000                   |
|                     | May 19, 1877  | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 350,000                   |
|                     | May 20, 1877  | Harre de Grace, Md.                    | North East River                  | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 2,055,500                 |
|                     | May 21, 1877  | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 50,000                    |
|                     | May 22, 1877  | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 10,000                    |
|                     | May 24, 1877  | Harre de Grace, Md.                    | North East River                  | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 133,000                   |
|                     | May 25, 1877  | Harre de Grace, Md.                    | North East River                  | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 85,000                    |
|                     | May 26, 1877  | Harre de Grace, Md.                    | North East River                  | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 50,000                    |
|                     | May 27, 1877  | Harre de Grace, Md.                    | North East River                  | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 50,000                    |
|                     | May 28, 1877  | Harre de Grace, Md.                    | North East River                  | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 60,000                    |
|                     | May 30, 1877  | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 46,000                    |
|                     | May 31, 1877  | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 100,000                   |
|                     | June 1, 1877  | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 56,000                    |
|                     | June 1, 1877  |                                        | Elk River                         | Chesapeake Bay    | Spesutie Narrows, Md.    | J. W. Milner         | 150,000                   |
|                     | June 1, 1877  | Cumberland, Md.                        | Potomac River                     | Chesapeake Bay    | Spesutie Narrows, Md.    | L. Fairfax           | 100,000                   |
|                     | June 1, 1877  |                                        | Bohemia River                     | Chesapeake Bay    | Spesutie Narrows, Md.    | J. W. Milner         | 126,000                   |
|                     | June 1, 1877  |                                        | Sassafras River                   | Chesapeake Bay    | Spesutie Narrows, Md.    | J. W. Milner         | 235,000                   |
|                     | June 1, 1877  | Cumberland, Md.                        | Potomac River                     | Chesapeake Bay    | Spesutie Narrows, Md.    | L. Fairfax           | 150,000                   |
|                     | June 2, 1877  | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 127,000                   |
|                     | June 3, 1877  | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 12,800                    |
|                     | June 5, 1877  | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 100,000                   |
|                     | June 5, 1877  | Denton, Md.                            | Choptank River                    | Chesapeake Bay    | Spesutie Narrows, Md.    | J. W. Milner         | 510,000                   |
|                     | June 6, 1877  | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 72,000                    |
|                     | June 7, 1877  | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 30,000                    |
|                     | June 7, 1877  | Laurel, Md.                            | Patusent River                    | Chesapeake Bay    | Spesutie Narrows, Md.    | C. D. Griswold       | 160,000                   |
|                     | June 8, 1877  | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 50,000                    |
|                     | June 9, 1877  | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 20,000                    |
|                     | June 10, 1877 | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 60,000                    |
|                     | June 11, 1877 | Harre de Grace, Md.                    | Spesutie Narrows                  | Susquehanna River | Spesutie Narrows, Md.    | Not transferred      | 20,000                    |
|                     | June 12, 1877 | Salisbury, Md.                         | Wicomico River                    | Chesapeake Bay    | Spesutie Narrows, Md.    | J. W. Milner         | 100,000                   |
|                     | June 12, 1877 | Pocomoke City, Md.                     | Pocomoke River                    | Chesapeake Bay    | Spesutie Narrows, Md.    | J. W. Milner         | 100,000                   |
|                     | June 12, 1877 | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay    | Spesutie Narrows, Md.    | Not transferred      | 10,000                    |
|                     | June 13, 1877 | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay    | Spesutie Narrows, Md.    | Not transferred      | 36,000                    |
|                     | June 13, 1877 | Cockeysville, Md.                      | Gunpowder River                   | Chesapeake Bay    | Spesutie Narrows, Md.    | L. Fairfax           | 50,000                    |
|                     | Apr. 21, 1878 | Various points.                        | Potomac River                     | Chesapeake Bay    | Avoca, N. C.             | William Hamlen       | 100,000                   |
|                     | May 1, 1878   | Point of Rocks, Md.                    | Potomac River                     | Chesapeake Bay    | Avoca, N. C.             | William Hamlen       | 100,000                   |
|                     | May 17, 1878  | Greensborough, Md.                     | Choptank River                    | Chesapeake Bay    | Harre de Grace, Md.      | Thomas Hinghlett     | 100,000                   |
|                     | May 23, 1878  | Neabsco Mills, Md.                     | Neabsco River                     | Potomac River     | Steamer Lookout          | Not transferred      | 50,000                    |
|                     | May 24, 1878  | Federalsburg, Md.                      | Nanticoke River                   | Chesapeake Bay    | Harre de Grace, Md.      | Thomas Hinghlett     | 100,000                   |
|                     | May 24, 1878  | Gilmont, Md.                           | Potomac River                     | Chesapeake Bay    | Steamer Lookout          | Not transferred      | 75,000                    |
|                     | May 25, 1878  | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 150,000                   |
|                     | May 26, 1878  | Cecil County, Md.                      | North East River                  | Chesapeake Bay    | Harre de Grace, Md.      | Not transferred      | 250,000                   |

|               |                      |                       |                |                      |                  |           |
|---------------|----------------------|-----------------------|----------------|----------------------|------------------|-----------|
| May 26, 1878  | Harre de Grace, Md.  | Susquehanna River     | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 100,000   |
| May 27, 1878  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 200,000   |
| May 28, 1878  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 400,000   |
| May 28, 1878  | Fort Washington, Md  | Potomac River         | Chesapeake Bay | Steamer Lookout      | Not transferred  | 100,000   |
| May 28, 1878  | Glymont, Md          | Potomac River         | Chesapeake Bay | Steamer Lookout      | Not transferred  | 300,000   |
| May 29, 1878  | Salisbury, Md.       | Wicomico River        | Chesapeake Bay | Harre de Grace, Md   | Thomas Hughlett  | 175,000   |
| May 29, 1878  | Princess Anne, Md    | Manokin River         | Tangier Sound  | Harre de Grace, Md   | Thomas Hughlett  | 75,000    |
| May 29, 1878  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 1,500,000 |
| May 30, 1878  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 500,000   |
| May 31, 1878  | Millington, Md       | Chester River         | Chesapeake Bay | Harre de Grace, Md   | Thomas Hughlett  | 250,000   |
| June 1, 1878  | Easton, Md           | Tread Haven           | Choptank River | Harre de Grace, Md   | S. M. Rixey      | 50,000    |
| June 1, 1878  | Easton, Md           | Miles River           | Eastern Bay    | Harre de Grace, Md   | S. M. Rixey      | 75,000    |
| June 1, 1878  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 500,000   |
| June 3, 1878  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 500,000   |
| June 3, 1878  | Greensborough, Md    | Choptank River        | Chesapeake Bay | Harre de Grace, Md   | S. M. Rixey      | 100,000   |
| June 3, 1878  | Hillsborough, Md     | Tuckahoe River        | Choptank River | Harre de Grace, Md   | S. M. Rixey      | 50,000    |
| June 5, 1878  | Laurel, Md           | Pataxent River        | Chesapeake Bay | Harre de Grace, Md   | J. M. Donaldson  | 150,000   |
| June 6, 1878  | Laurel, Md           | Pataxent River        | Chesapeake Bay | Harre de Grace, Md   | David Scott      | 150,000   |
| June 6, 1878  | Harre de Grace, Md   | Speontie Narrows      | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 500,000   |
| June 10, 1878 | Snow Hill, Md        | Pocomoke River        | Chesapeake Bay | Harre de Grace, Md   | S. M. Rixey      | 150,000   |
| June 10, 1878 | Perryman, Md         | Bush River            | Chesapeake Bay | Harre de Grace, Md   | W. F. Page       | 150,000   |
| June 10, 1878 | Harre de Grace, Md   | Speontie Narrows      | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 100,000   |
| June 11, 1878 | Harre de Grace, Md   | Speontie Narrows      | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 155,000   |
| June 14, 1878 | Cockeysville, Md     | Gunpowder River       | Chesapeake Bay | Harre de Grace, Md   | N. Simmons       | 80,000    |
| June 14, 1878 | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Harre de Grace, Md   | Not transferred  | 120,000   |
| May 10, 1879  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 300,000   |
| May 17, 1879  | Cordova Station, Md. | Miles Creek           | Chesapeake Bay | Speontie Narrows, Md | T. Hughlett, jr. | 80,000    |
| May 17, 1879  | Cordova Station, Md. | Wye Mills Creek       | Miles Creek    | Speontie Narrows, Md | T. Hughlett, jr. | 80,000    |
| May 18, 1879  | Salisbury, Md        | Wicomico River        | Chesapeake Bay | Speontie Narrows, Md | L. Campbell      | 150,000   |
| May 19, 1879  | Savage, Md           | Pataxent River        | Chesapeake Bay | Speontie Narrows, Md | J. F. Ellis      | 115,000   |
| May 19, 1879  | Laurel, Md           | Pataxent River        | Chesapeake Bay | Speontie Narrows, Md | J. F. Ellis      | 110,000   |
| May 19, 1879  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 100,000   |
| May 21, 1879  | Harre de Grace, Md.  | Susquehanna River     | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 25,000    |
| May 21, 1879  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 100,000   |
| May 24, 1879  | Federalburg, Md      | Nanticoke River       | Chesapeake Bay | Speontie Narrows, Md | T. Hughlett, jr. | 80,000    |
| May 24, 1879  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 150,000   |
| May 26, 1879  | Whaleysville, Md     | Pocomoke River        | Chesapeake Bay | Speontie Narrows, Md | L. Campbell      | 100,000   |
| May 26, 1879  | Berlin, Md.          | Saint Michael's River | Chesapeake Bay | Speontie Narrows, Md | L. Campbell      | 50,000    |
| May 26, 1879  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 150,000   |
| May 27, 1879  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 100,000   |
| May 28, 1879  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 125,000   |
| May 29, 1879  | Henderson, Md        | Choptank River        | Chesapeake Bay | Speontie Narrows, Md | T. Hughlett, jr. | 100,000   |
| May 29, 1879  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 50,000    |
| May 30, 1879  | Millington, Md       | Chester River         | Chesapeake Bay | Speontie Narrows, Md | L. Campbell      | 140,000   |
| May 30, 1879  | Centreville, Md      | Corsica River         | Chester River  | Speontie Narrows, Md | L. Campbell      | 60,000    |
| May 30, 1879  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 200,000   |
| May 30, 1879  | Harre de Grace, Md.  | Speontie Narrows      | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 150,000   |
| May 31, 1879  | Middletown, Md.      | Sassafras River       | Chesapeake Bay | Speontie Narrows, Md | T. Hughlett, jr. | 100,000   |
| May 31, 1879  | Middletown, Md.      | Bohemia River         | Chesapeake Bay | Speontie Narrows, Md | T. Hughlett, jr. | 100,000   |
| May 31, 1879  | Battery Light, Md    | Susquehanna River     | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 400,000   |
| June—, 1879   | Harre de Grace, Md.  | Susquehanna River     | Chesapeake Bay | Speontie Narrows, Md | Not transferred  | 40,000    |
| June 1, 1879  | Elkton, Md           | Elk River             | Chesapeake Bay | Speontie Narrows, Md | T. Hughlett, jr. | 200,000   |

D. —TABLE I.—Distribution of shad from 1872 to 1880, inclusive—Continued.

| State.              | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—  | Where fish were hatched. | By whom transferred | Estimated number of fish. |
|---------------------|---------------|----------------------------------------|-----------------------------------|----------------|--------------------------|---------------------|---------------------------|
| Maryland—Continued. | June 1, 1879  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 300,000                   |
|                     | June 1, 1879  | Battery Light                          | Susquehanna River                 | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 400,000                   |
|                     | June 2, 1879  | Port Deposit, Md.                      | Susquehanna River                 | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 300,000                   |
|                     | June 2, 1879  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 200,000                   |
|                     | June 2, 1879  | Old Bay Fishing                        | Susquehanna River                 | Chesapeake Bay | Old Bay Fishery, Md.     | Not transferred     | 120,000                   |
|                     | June 3, 1879  | Princess Anne, Md.                     | Manokin River                     | Chesapeake Bay | Spesutie Narrows, Md.    | T. Hughlett, jr.    | 150,000                   |
|                     | June 3, 1879  | Newtown, Md.                           | Pocomoke River                    | Chesapeake Bay | Spesutie Narrows, Md.    | T. Hughlett, jr.    | 125,000                   |
|                     | June 3, 1879  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 150,000                   |
|                     | June 4, 1879  | Cockeysville, Md.                      | Gunpowder River                   | Chesapeake Bay | Spesutie Narrows, Md.    | T. Hughlett, jr.    | 175,000                   |
|                     | June 4, 1879  | Battery Light                          | Susquehanna River                 | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 150,000                   |
|                     | June 6, 1879  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 100,000                   |
|                     | June 8, 1879  | Old Bay Fishery                        | Susquehanna River                 | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 85,000                    |
|                     | June 8, 1879  | Relay Station, Md.                     | Patuxent River                    | Chesapeake Bay | Spesutie Narrows, Md.    | W. Hamlen           | 175,000                   |
|                     | June 8, 1879  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 100,000                   |
|                     | June 9, 1879  | Old Bay Fishery                        | Susquehanna River                 | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 137,000                   |
|                     | June 10, 1879 | Point of Rocks, Md.                    | Potomac River                     | Chesapeake Bay | Spesutie Narrows, Md.    | J. F. Ellis         | 200,000                   |
|                     | June 10, 1879 | Patuxent, Md.                          | Patuxent River                    | Chesapeake Bay | Spesutie Narrows, Md.    | W. M. Russ          | 125,000                   |
|                     | June 10, 1879 | Federalburg, Md.                       | Nanticoke River                   | Chesapeake Bay | Spesutie Narrows, Md.    | T. Hughlett, jr.    | 50,000                    |
|                     | June 10, 1879 | Airey's Station, Md.                   | Transquaking River                | Chesapeake Bay | Spesutie Narrows, Md.    | T. Hughlett, jr.    | 25,000                    |
|                     | June 10, 1879 | Cambridge, Md.                         | Blackwater River                  | Chesapeake Bay | Spesutie Narrows, Md.    | T. Hughlett, jr.    | 25,000                    |
|                     | June 10, 1879 | Hillsborough, Md.                      | Tuckahoe River                    | Chesapeake Bay | Spesutie Narrows, Md.    | T. Hughlett, jr.    | 50,000                    |
|                     | June 10, 1879 | Henderson, Md.                         | Choptank River                    | Chesapeake Bay | Spesutie Narrows, Md.    | T. Hughlett, jr.    | 50,000                    |
|                     | June 11, 1879 | Battery Light                          | Susquehanna River                 | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 150,000                   |
|                     | June 11, 1879 | Baltimore County, Md.                  | Gunpowder River                   | Chesapeake Bay | Spesutie Narrows, Md.    | S. Simmons          | 105,000                   |
|                     | June 14, 1879 | Port Deposit, Md.                      | Susquehanna River                 | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 75,000                    |
|                     | June 14, 1879 | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay | Spesutie Narrows, Md.    | Not transferred     | 200,000                   |
|                     | May 7, 1880   | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 10,000                    |
|                     | May 8, 1880   | Laurel, Md.                            | Patuxent River                    | Chesapeake Bay | Potomac Station          | C. W. Schnermann    | 300,000                   |
|                     | May 10, 1880  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 413,000                   |
|                     | May 11, 1880  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 250,000                   |
|                     | May 11, 1880  | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 150,000                   |
|                     | May 11, 1880  | Savage, Md.                            | Patuxent River                    | Chesapeake Bay | Potomac Station          | W. H. Jenkins, jr.  | 200,000                   |
|                     | May 12, 1880  | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 144,000                   |
|                     | May 12, 1880  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 100,000                   |
|                     | May 13, 1880  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 190,000                   |
|                     | May 13, 1880  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 350,000                   |
|                     | May 14, 1880  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 270,000                   |
|                     | May 15, 1880  | Harre de Grace, Md.                    | Spesutie Narrows                  | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 215,000                   |
|                     | May 15, 1880  | Cumberland, Md.                        | Spesutie Narrows                  | Chesapeake Bay | Potomac Station          | H. E. Quinn         | 300,000                   |
|                     | May 16, 1880  | Savage, Md.                            | Patuxent River                    | Chesapeake Bay | Potomac Station          | S. Simmons          | 300,000                   |
|                     | May 17, 1880  | Point of Rocks, Md.                    | Potomac River                     | Chesapeake Bay | Potomac Station          | J. F. Ellis         | 300,000                   |
|                     | May 18, 1880  | Harre de Grace, Md.                    | Spesutie River                    | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 225,000                   |
|                     | May 19, 1880  | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 250,000                   |
|                     | May 20, 1880  | Harre de Grace, Md.                    | Susquehanna River                 | Chesapeake Bay | Harre de Grace, Md.      | Not transferred     | 285,000                   |

|                |                           |                           |                    |                           |                  |           |
|----------------|---------------------------|---------------------------|--------------------|---------------------------|------------------|-----------|
| May 20, 1880   | Harre de Grace, Md.       | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 200,000   |
| May 20, 1880   | Swan Creek, Md.           | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 200,000   |
| May 21, 1880   | Harre de Grace, Md.       | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 350,000   |
| May 21, 1880   | Harre de Grace, Md.       | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 50,000    |
| May 21, 1880   | Harre de Grace, Md.       | Speautie Narrows          | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 25,000    |
| May 21, 1880   | Savage, Md.               | Patuxent River            | Chesapeake Bay     | Potomac Station           | J. P. Ellis      | 600,000   |
| May 22, 1880   | Harre de Grace, Md.       | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 460,000   |
| May 22, 1880   | Fort Washington, Md.      | Potomac River             | Chesapeake Bay     | Potomac Station           | Not transferred  | 200,000   |
| May 23, 1880   | Fort Washington, Md.      | Potomac River             | Chesapeake Bay     | Potomac Station           | Not transferred  | 25,000    |
| May 24, 1880   | Harre de Grace, Md.       | Speautie Narrows          | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 240,000   |
| May 25, 1880   | Moxley Point              | Potomac River             | Chesapeake Bay     | Potomac Station           | Not transferred  | 500,000   |
| May 25, 1880   | Savage, Md.               | Patuxent River            | Chesapeake Bay     | Potomac Station           | C. W. Schuermann | 500,000   |
| May 26, 1880   | Moxley Point              | Potomac River             | Chesapeake Bay     | Potomac Station           | Not transferred  | 500,000   |
| May 26, 1880   | Laurel, Md.               | Patuxent River            | Chesapeake Bay     | Potomac Station           | C. J. Husko      | 1,500,000 |
| May 27, 1880   | Harre de Grace, Md.       | Speautie Narrows          | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 1,070,000 |
| May 28, 1880   | Harre de Grace, Md.       | Speautie Narrows          | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 75,000    |
| May 29, 1880   | Perrymansville, Md.       | Bash River                | Chesapeake Bay     | Harre de Grace, Md.       | N. Simmons       | 150,000   |
| May 29, 1880   | Deer Park, Md.            | Little Troughygheny River | Youghiogheny River | Potomac Station           | S. M. Rixey      | 50,000    |
| June 2, 1880   | Off Watson Island         | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 50,000    |
| June 2, 1880   | Moxley Point              | Potomac River             | Chesapeake Bay     | Potomac Station           | Not transferred  | 275,000   |
| June 3, 1880   | Perrymansville, Md.       | Bash River                | Chesapeake Bay     | Harre de Grace, Md.       | M. Gleason       | 285,000   |
| June 4, 1880   | Off Watson Island         | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 485,000   |
| June 6, 1880   | Off Watson Island         | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 460,000   |
| June 7, 1880   | Off Watson Island         | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 55,000    |
| June 7, 1880   | Savage, Md.               | Patuxent River            | Chesapeake Bay     | Potomac Station           | S. M. Rixey      | 375,000   |
| June 8, 1880   | Off Watson Island         | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 650,000   |
| June 9, 1880   | Off Watson Island         | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 140,000   |
| June 9, 1880   | Fort Washington, Md.      | Potomac River             | Chesapeake Bay     | Potomac Station           | Not transferred  | 100,000   |
| June 12, 1880  | Off Watson Island         | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 400,000   |
| June 12, 1880  | Off Watson Island         | Susquehanna River         | Chesapeake Bay     | Harre de Grace, Md.       | Not transferred  | 100,000   |
| Aug. 8, 1874   | Smith's Ferry, Mass.      | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | H. J. Brooks     | 60,000    |
| Aug. 10, 1874  | Westfield, Mass.          | Westfield River           | Connecticut River  | South Hadley Falls, Mass. | C. D. Griswold   | 80,000    |
| Aug. 13, 1874  | Westfield, Mass.          | Westfield River           | Connecticut River  | South Hadley Falls, Mass. | F. A. Smith      | 210,000   |
| July 8, 1875   | Smith's Ferry, Mass.      | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | Mason and Quinn  | 250,000   |
| July 13, 1875  | Smith's Ferry, Mass.      | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | Mason and Quinn  | 250,000   |
| July 16, 1875  | Smith's Ferry, Mass.      | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | Mason and Quinn  | 225,000   |
| July 7-31, '75 | South Hadley Falls, Mass. | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | Charles C. Smith | 4,500,000 |
| July 12, 1876  | Bridgewater, Mass.        | Taunton River             | Narragansett Bay   | South Hadley Falls, Mass. | R. D. Holmes     | 80,000    |
| July 14, 1876  | Westfield, Mass.          | Westfield River           | Connecticut River  | South Hadley Falls, Mass. | R. R. Holmes     | 80,000    |
| July 15, 1876  | Middleborough, Mass.      | Taunton River             | Narragansett Bay   | South Hadley Falls, Mass. | R. R. Holmes     | 100,000   |
| July 26, 1876  | South Hadley Falls, Mass. | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | Not transferred  | 150,000   |
| July 29, 1876  | South Hadley Falls, Mass. | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | Not transferred  | 4,000     |
| Aug. 1, 1876   | South Hadley Falls, Mass. | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | Not transferred  | 5,000     |
| Aug. 2, 1876   | South Hadley Falls, Mass. | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | Not transferred  | 40,000    |
| July 4, 1877   | Smith's Ferry, Mass.      | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | C. G. Atkins     | 12,000    |
| July 16, 1877  | Smith's Ferry, Mass.      | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | C. G. Atkins     | 145,000   |
| July 17, 1877  | Smith's Ferry, Mass.      | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | C. G. Atkins     | 207,000   |
| July 20, 1877  | South Hadley Falls, Mass. | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | Not transferred  | 80,000    |
| July 23, 1877  | Smith's Ferry, Mass.      | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | Clark & Atkins   | 165,000   |
| July 23, 1877  | Smith's Ferry, Mass.      | Connecticut River         | Long Island Sound  | South Hadley Falls, Mass. | C. G. Atkins     | 50,000    |
| July 28, 1877  | Middleborough, Mass.      | Taunton River             | Narragansett Bay   | South Hadley Falls, Mass. | R. R. Holmes     | 50,000    |

Massachusetts.

D.—TABLE I.—Distribution of shad from 1872 to 1880, inclusive—Continued.

| State.                   | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—      | Where fish were hatched.  | By whom transferred.      | Estimated number of fish. |
|--------------------------|---------------|----------------------------------------|-----------------------------------|--------------------|---------------------------|---------------------------|---------------------------|
| Massachusetts—Continued. | July 30, 1877 | Smith's Ferry, Mass.                   | Connecticut River                 | Long Island Sound  | South Hadley Falls, Mass. | William Smith             | 100,000                   |
|                          | July 31, 1877 | Smith's Ferry, Mass.                   | Connecticut River                 | Long Island Sound  | South Hadley Falls, Mass. | C. G. Atkins              | 80,000                    |
|                          | July 31, 1877 | Bridgewater, Mass.                     | Taunton River                     | Narragansett Bay   | South Hadley Falls, Mass. | R. R. Holmes              | 50,000                    |
|                          | Aug. 1, 1877  | Smith's Ferry, Mass.                   | Connecticut River                 | Long Island Sound  | South Hadley Falls, Mass. | C. G. Atkins              | 33,000                    |
|                          | Aug. 3, 1877  | Smith's Ferry, Mass.                   | Connecticut River                 | Long Island Sound  | South Hadley Falls, Mass. | C. G. Atkins              | 27,000                    |
|                          | Aug. 4, 1877  | Smith's Ferry, Mass.                   | Connecticut River                 | Long Island Sound  | South Hadley Falls, Mass. | William Smith             | 14,000                    |
|                          | Aug. 7, 1877  | Smith's Ferry, Mass.                   | Connecticut River                 | Long Island Sound  | South Hadley Falls, Mass. | William Smith             | 22,000                    |
|                          | Aug. 8, 1877  | Smith's Ferry, Mass.                   | Connecticut River                 | Long Island Sound  | South Hadley Falls, Mass. | William Smith             | 62,000                    |
|                          | June 17, 1873 | Lansing, Mich.                         | Grand River                       | Lake Michigan      | South Hadley Falls, Mass. | George H. Jerome          | 50,000                    |
| Michigan                 | June 24, 1873 | Detroit, Mich.                         | Detroit River                     | Lake Erie          | South Hadley Falls, Mass. | J. W. Milner and J. Mason | 20,000                    |
|                          | June 24, 1873 | Ionia, Mich.                           | Grand River                       | Lake Michigan      | South Hadley Falls, Mass. | J. W. Milner and J. Mason | 80,000                    |
|                          | June 24, 1873 |                                        | Flint River                       | Saginaw River      | South Hadley Falls, Mass. | George H. Jerome          | 10,000                    |
|                          | June 28, 1873 | Monroe, Mich.                          | Raisin River                      | Lake Erie          | South Hadley Falls, Mass. | George H. Jerome          | 10,000                    |
|                          | June 28, 1873 | Niles, Mich.                           | Saint Joseph River                | Lake Michigan      | South Hadley Falls, Mass. | George H. Jerome          | 30,000                    |
|                          | June 28, 1873 | Kalamazoo County, Mich.                | Long Lake                         | Kalamazoo River    | South Hadley Falls, Mass. | George H. Jerome          | 10,000                    |
|                          | Aug. 1, 1874  | Detroit, Mich.                         | Detroit River                     | Lake Erie          | South Hadley Falls, Mass. | Chase & Griswold          | 80,000                    |
|                          | Aug. 6, 1874  | Corunna, Mich.                         | Shiawassee River                  | Lake Huron         | South Hadley Falls, Mass. | P. N. Clark               | 80,000                    |
|                          | July 5, 1872  | Saint Paul, Minn.                      | Mississippi River                 | Gulf of Mexico     | Coeymans, N. Y.           | Seth Green                | 25,000                    |
| Minnesota                | Aug. 5, 1874  | Saint Paul, Minn.                      | Mississippi River                 | Gulf of Mexico     | South Hadley Falls, Mass. | Chase and Vealey          | 100,000                   |
|                          | July 20, 1877 | Saint Paul, Minn.                      | Mississippi River                 | Gulf of Mexico     | South Hadley Falls, Mass. | H. E. Quinn               | 100,000                   |
| Mississippi              | July 10, 1875 | Jackson, Miss.                         | Pearl River                       | Gulf of Mexico     | Point Pleasant, Pa.       | Anderson and Schwartz     | 100,000                   |
|                          | June 13, 1876 | Jackson, Miss.                         | Pearl River                       | Lake Borgne        | Harre de Grace, Md.       | A. A. Anderson            | 74,000                    |
|                          | June 13, 1876 | Abbeville, Miss.                       | Yazoo River                       | Mississippi River  | Harre de Grace, Md.       | Anderson and Abbott       | 74,000                    |
|                          | June 4, 1877  | Canton, Miss.                          | Big Black River                   | Mississippi River  | Spesutie Narrows, Md.     | F. A. Ingalls             | 100,000                   |
|                          | Apr. 13, 1878 | Vanzhan, Miss.                         | Big Black River                   | Mississippi River  | Aroca, N. C.              | C. W. Schnermann          | 144,000                   |
|                          | Apr. 23, 1878 | Friar's Point, Miss.                   | Sunflower River                   | Yazoo River        | Aroca, N. C.              | J. F. Ellis               | 100,000                   |
|                          | Apr. 23, 1878 | Holly Springs, Miss.                   | Cold Water River                  | Yazoo River        | Aroca, N. C.              | C. W. Schnermann          | 40,000                    |
|                          | Apr. 23, 1878 | Lafayette County, Miss.                | Tallahatchie River                | Yazoo River        | Aroca, N. C.              | C. W. Schnermann          | 40,000                    |
|                          | Apr. 23, 1878 | Grenada, Miss.                         | Yalabusha River                   | Yazoo River        | Aroca, N. C.              | C. W. Schnermann          | 40,000                    |
|                          | May 15, 1878  | Fulton, Miss.                          | Tombigbee River                   | Mobile Bay         | Harre de Grace, Md.       | J. F. Ellis               | 90,000                    |
|                          | May 15, 1878  | Aberdeen, Miss.                        | Tombigbee River                   | Mobile Bay         | Harre de Grace, Md.       | J. F. Ellis               | 60,000                    |
|                          | May 23, 1878  | Meridian, Miss.                        | Okatibee Creek                    | Chickasawha River  | Harre de Grace, Md.       | R. E. Earle               | 100,000                   |
|                          | Apr. 26, 1879 | Jackson, Miss.                         | Pearl River                       | Gulf of Mexico     | Aroca, N. C.              | J. F. Ellis               | 150,000                   |
|                          | May 13, 1879  | Meridian, Miss.                        | Chunky River                      | Chickasawha River  | Aroca, N. C.              | C. W. Schnermann          | 25,000                    |
|                          | May 20, 1879  | Ripley, Miss.                          | Tippah River                      | Tallahatchie River | Spesutie Narrows, Md.     | J. F. Ellis               | 50,000                    |
|                          | May 20, 1879  | La Fayette County, Miss.               | Tallahatchie River                | Yazoo River        | Spesutie Narrows, Md.     | J. F. Ellis               | 50,000                    |
|                          | May 20, 1879  | La Fayette, Miss.                      | Yocana River                      | Yazoo River        | Spesutie Narrows, Md.     | J. F. Ellis               | 50,000                    |
|                          | May 28, 1879  | Grenada, Miss.                         | Yalabusha River                   | Yazoo River        | Spesutie Narrows, Md.     | J. F. Ellis               | 50,000                    |
| Missouri                 | July 5, 1872  | Washington, Mo.                        | Missouri River                    | Mississippi River  | South Hadley Falls, Mass. | Rev. Wm. Clift            | 500                       |
|                          | July 5, 1872  | Hermann, Mo.                           | Missouri River                    | Mississippi River  | South Hadley Falls, Mass. | Rev. Wm. Clift            | 500                       |
|                          | June 8, 1876  | Poplar Bluff, Mo.                      | Black River                       | Mississippi River  | Harre de Grace, Md.       | Ingalls and Fairfax       | 20,000                    |
|                          | June 9, 1876  | Callao, Mo.                            | Chariton River                    | Missouri River     | Harre de Grace, Md.       | B. S. Corp, jr.           | 61,000                    |
|                          | July 13, 1876 | Pacific, Mo.                           | Moramee River                     | Mississippi River  | South Hadley Falls, Mass. | Clark and Fairfax         | 92,500                    |
|                          | Aug. 9, 1876  | Kansas City, Mo.                       | Kansas River                      | Missouri River     | South Hadley Falls, Mass. | Anderson and Smith        | 119,500                   |

|                |               |                           |                            |                             |                           |                   |         |
|----------------|---------------|---------------------------|----------------------------|-----------------------------|---------------------------|-------------------|---------|
|                | May 21, 1877  | Saint Louis, Mo.          | Mississippi River          | Gulf of Mexico              | Speautie Narrows, Md.     | L. Fairfax        | 100,000 |
|                | June 4, 1877  | Saint Joseph, Mo.         | Missouri River             | Mississippi River           | Speautie Narrows, Md.     | L. Fairfax        | 100,000 |
|                | July 4, 1877  | Springfield, Mo.          | James River                | White River                 | South Hadley Falls, Mass. | F. A. Ingalls     | 90,000  |
|                | July 5, 1877  | Mexico, Mo.               | Salt Creek                 | Mississippi River           | South Hadley Falls, Mass. | C. D. Griswold    | 110,000 |
|                | May 20, 1878  | Nesho, Mo.                | Shoal Creek                | Arkansas River              | Havre de Grace, Md.       | C. W. Schuermann  | 120,000 |
|                | June 8, 1878  | Saint Louis, Mo.          | Mississippi River          | Gulf of Mexico              | Havre de Grace, Md.       | F. A. Ingalls     | 100,000 |
|                | May 31, 1879  | Franklin, Mo.             | Meramec River              | Mississippi River           | Speautie Narrows, Md.     | L. Kumlien        | 50,000  |
|                | May 31, 1879  | Piedmont, Mo.             | Big Black River            | White River                 | Speautie Narrows, Md.     | L. Kumlien        | 75,000  |
|                | May 31, 1879  | Poplar Bluffs, Mo.        | Big Black River            | White River                 | Speautie Narrows, Md.     | L. Kumlien        | 75,000  |
|                | June 14, 1879 | Webster County, Mo.       | James River                | White River                 | Speautie Narrows, Md.     | L. Kumlien        | 75,000  |
|                | June 14, 1879 | Arcadia, Mo.              | San Francois River         | Black River                 | Speautie Narrows, Md.     | L. Kumlien        | 75,000  |
|                | June 4, 1880  | Jerome, Mo.               | Gacondade River            | Missouri River              | Potomac Station           | S. M. Rixey       | 40,000  |
|                | June 4, 1880  | Henry County, Mo.         | Grand River                | Missouri River              | Potomac Station           | J. F. Ellis       | 20,000  |
|                | June 4, 1880  | Shelby County, Mo.        | Salt River                 | Mississippi River           | Potomac Station           | J. F. Ellis       | 20,000  |
|                | June 4, 1880  | Schell City, Mo.          | Ozage River                | Missouri River              | Potomac Station           | G. G. Davenport   | 40,000  |
|                | June 4, 1880  | Macon County, Mo.         | Chariton River             | Missouri River              | Potomac Station           | J. F. Ellis       | 20,000  |
|                | June 5, 1880  | Nodaway County, Mo.       | Platte River               | Missouri River              | Potomac Station           | J. F. Ellis       | 20,000  |
|                | June 5, 1880  | Nodaway County, Mo.       | One Hundred and Two River. | Platte River                | Potomac Station           | J. F. Ellis       | 20,000  |
|                | June 5, 1880  | Nodaway, Mo.              | Nodaway River              | Missouri River              | Potomac Station           | J. F. Ellis       | 20,000  |
| New Hampshire  | July 24, 1877 | Tilton, N. H.             | Winnepesaukee River        | Merrimac River              | South Hadley Falls, Mass. | Weber and Powers  | 75,000  |
|                | July 28, 1877 | Contoocook, N. H.         | Contoocook River           | Merrimac River              | South Hadley Falls, Mass. | Weber and Powers  | 50,000  |
| New York       | June 30, 1872 | Salamanca, N. Y.          | Allegheny River            | Ohio River                  | Coeymans, N. Y.           | Seth Green        | 30,000  |
|                | July 3, 1872  | Salamanca, N. Y.          | Allegheny River            | Ohio River                  | South Hadley Falls, Mass. | Rev. Wm. Clift    | 400,000 |
| North Carolina | May 13, 1873  | New Berne, N. C.          | Neuse River                | Pamlico Sound               | New Berne, N. C.          | Not transferred   | 45,000  |
|                | May 28, 1878  | Raleigh, N. C.            | Neuse River                | Pamlico Sound               | Ferry Landing, Va.        | C. D. Griswold    | 88,000  |
|                | June 12, 1878 | Catawba, N. C.            | Catawba River              | Santee River                | Havre de Grace, Md.       | L. Kumlien        | 66,000  |
|                | May —, 1877   | Wake County, N. C.        | Neuse River                | Pamlico Sound               | Havre de Grace, Md.       | L. Kumlien        | 134,000 |
|                | July 18, 1877 | Rowan County, N. C.       | Yadkin River               | Great Pedee River           | South Hadley Falls, Mass. | J. F. Ellis       | 70,000  |
|                | July 19, 1877 | Alamance County, N. C.    | Haw River                  | Cape Fear River             | South Hadley Falls, Mass. | Ellis and Ingalls | 70,000  |
|                | July 19, 1877 | Catawba, N. C.            | Catawba River              | Santee River                | South Hadley Falls, Mass. | F. A. Ingalls     | 60,000  |
|                | July 25, 1877 | Wilson County, N. C.      | Contentnea Creek           | Neuse River                 | South Hadley Falls, Mass. | C. D. Griswold    | 50,000  |
|                | July 25, 1877 | Granville County, N. C.   | Tar River                  | Pamlico Sound               | South Hadley Falls, Mass. | C. D. Griswold    | 50,000  |
|                | Apr. 11, 1878 | Avoca, N. C.              | Salmon Creek               | Chowan River                | Avoca, N. C.              | Not transferred   | 2,500   |
|                | Apr. 11, 1878 | Weldon, N. C.             | Roanoke River              | Albemarle Sound             | Avoca, N. C.              | W. G. Williamson  | 130,000 |
|                | Apr. 12, 1878 | Neuse, N. C.              | Neuse River                | Pamlico Sound               | Avoca, N. C.              | S. G. Worth       | 100,000 |
|                | Apr. 12, 1878 | Branchville, N. C.        | Meherrin River             | Chowan River                | Avoca, N. C.              | W. G. Williamson  | 150,000 |
|                | Apr. 15, 1878 | The Mill, N. C.           | Salmon Creek               | Chowan River                | Avoca, N. C.              | Not transferred   | 120,000 |
|                | Apr. 20, 1878 | Raleigh, N. C.            | Neuse River                | Pamlico Sound               | Avoca, N. C.              | H. E. Quinn       | 50,000  |
|                | Apr. 22, 1878 | Granville County, N. C.   | Tar River                  | Pamlico Sound               | Avoca, N. C.              | Thomas Taylor     | 100,000 |
|                | Apr. 24, 1878 | Avoca, N. C.              | Salmon Creek               | Chowan River                | Avoca, N. C.              | Not transferred   | 800,000 |
|                | Apr. 24, 1878 | Lockville, N. C.          | Cape Fear River            | Atlantic Ocean              | Avoca, N. C.              | Col. L. L. Polk   | 100,000 |
|                | Apr. 25, 1878 | Avoca, N. C.              | Salmon Creek               | Chowan River                | Avoca, N. C.              | Not transferred   | 200,000 |
|                | Apr. 25, 1878 | Colerain, N. C.           | Chowan River               | Albemarle Sound             | Avoca, N. C.              | Not transferred   | 200,000 |
|                | Apr. 25, 1878 | Scotch Hall, Avoca, N. C. | Albemarle Sound            | Atlantic Ocean              | Avoca, N. C.              | Not transferred   | 115,000 |
|                | Apr. 26, 1878 | Plymouth, N. C.           | Roanoke River              | Albemarle Sound             | Avoca, N. C.              | Not transferred   | 250,000 |
|                | Apr. 26, 1878 | Avoca, N. C.              | Chowan River               | Albemarle Sound             | Avoca, N. C.              | Not transferred   | 25,000  |
|                | Apr. 26, 1878 | Scotch Hall, Avoca, N. C. | Albemarle Sound            | Atlantic Ocean              | Avoca, N. C.              | Not transferred   | 70,000  |
|                | Apr. 26, 1878 | Sampson County, N. C.     | Six Runs                   | North East Cape Fear River. | Avoca, N. C.              | Thomas Taylor     | 100,000 |
|                | Apr. 26, 1878 | Duplin County, N. C.      | Goshen Creek               | North East Cape Fear River. | Avoca, N. C.              | Thomas Taylor     | 100,000 |

D.—TABLE I.—Distribution of shad from 1872 to 1880, inclusive—Continued.

| • State.                  | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—     | Where fish were hatched.  | By whom transferred. | Estimated number of fish. |
|---------------------------|---------------|----------------------------------------|-----------------------------------|-------------------|---------------------------|----------------------|---------------------------|
| North Carolina—Continued. | Apr. 28, 1878 | Avoca, N. C.                           | Salmon Creek                      | Chowan River      | Avoca, N. C.              | Not transferred      | 300,000                   |
|                           | Apr. 29, 1878 | Avoca, N. C.                           | Salmon Creek                      | Chowan River      | Avoca, N. C.              | Not transferred      | 18,000                    |
|                           | May 1, 1878   | Avoca, N. C.                           | Salmon Creek                      | Chowan River      | Avoca, N. C.              | Not transferred      | 45,000                    |
|                           | May 2, 1878   | Avoca, N. C.                           | Salmon Creek                      | Chowan River      | Avoca, N. C.              | Not transferred      | 200,000                   |
|                           | May 2, 1878   | Granville County, N. C.                | Tar River                         | Pamlico Sound     | Avoca, N. C.              | Thomas Taylor        | 150,000                   |
|                           | June 7, 1878  | Salisbury, N. C.                       | Yadkin River                      | Great Pedee River | Harro de Grace, Md.       | S. G. Worth          | 50,000                    |
|                           | June 7, 1878  | Catawba, N. C.                         | Catawba River                     | Santee River      | Harro de Grace, Md.       | S. G. Worth          | 50,000                    |
|                           | Apr. 18, 1879 | Weldon, N. C.                          | Roanoke River                     | Albemarle Sound   | Avoca, N. C.              | C. J. Huske          | 100,000                   |
|                           | Apr. 21, 1879 | Warsaw, N. C.                          | Six Runs                          | Cape Fear River   | Avoca, N. C.              | Thomas Taylor        | 100,000                   |
|                           | Apr. 21, 1879 | Rocky Mount, N. C.                     | Tar River                         | Pamlico Sound     | Avoca, N. C.              | J. A. Woodward       | 100,000                   |
|                           | Apr. 24, 1879 | Warsaw, N. C.                          | Six Runs                          | Cape Fear River   | Avoca, N. C.              | C. J. Huske          | 100,000                   |
|                           | Apr. 24, 1879 | Pollocksville, N. C.                   | Trent River                       | Pamlico Sound     | Avoca, N. C.              | Thomas Taylor        | 145,000                   |
|                           | Apr. 24, 1879 | Raleigh, N. C.                         | Neuse River                       | Pamlico Sound     | Avoca, N. C.              | Wm. M. Russ          | 115,000                   |
|                           | Apr. 24, 1879 | Avoca, N. C.                           | Albemarle Sound                   | Atlantic Ocean    | Avoca, N. C.              | J. P. Haywood        | 60,000                    |
|                           | Apr. 24, 1879 | Duplin County, N. C.                   | Six Runs                          | Cape Fear River   | Avoca, N. C.              | C. J. Huske          | 100,000                   |
|                           | Apr. 24, 1879 | Avoca, N. C.                           | Albemarle Sound                   | Atlantic Ocean    | Avoca, N. C.              | S. G. Worth          | 50,000                    |
|                           | Apr. 25, 1879 | Mount Olive, N. C.                     | Goshen Creek                      | Cape Fear River   | Avoca, N. C.              | J. A. Woodward       | 100,000                   |
|                           | Apr. 25, 1879 | Rocky Mount, N. C.                     | Tar River                         | Pamlico Sound     | Avoca, N. C.              | W. M. Russ           | 100,000                   |
|                           | Apr. 29, 1879 | Weldon, N. C.                          | Roanoke River                     | Albemarle Sound   | Avoca, N. C.              | J. A. Woodward       | 150,000                   |
|                           | Apr. 29, 1879 | Avoca, N. C.                           | Salmon Creek                      | Chowan River      | Avoca, N. C.              | J. A. Woodward       | 75,000                    |
|                           | May 2, 1879   | Weldon, N. C.                          | Roanoke River                     | Albemarle Sound   | Avoca, N. C.              | J. A. Woodward       | 100,000                   |
|                           | May 2, 1879   | Raleigh, N. C.                         | Neuse River                       | Pamlico Sound     | Avoca, N. C.              | C. J. Huske          | 80,000                    |
|                           | May 3, 1879   | Branchville, N. C.                     | Meherrin River                    | Chowan River      | Avoca, N. C.              | J. A. Woodward       | 150,000                   |
|                           | May 6, 1879   | Salisbury, N. C.                       | Yadkin River                      | Great Pedee River | Avoca, N. C.              | Huske and Taylor     | 100,000                   |
|                           | May 9, 1879   | Avoca, N. C.                           | Salmon Creek                      | Albemarle Sound   | Avoca, N. C.              | W. M. Russ           | 210,000                   |
|                           | May 8, 1879   | Avoca, N. C.                           | Salmon Creek                      | Chowan River      | Avoca, N. C.              | G. H. Williams       | 15,000                    |
|                           | May 9, 1879   | Avoca, N. C.                           | Salmon Creek                      | Chowan River      | Avoca, N. C.              | G. H. Williams       | 215,000                   |
|                           | May 12, 1879  | Avoca, N. C.                           | Salmon Creek                      | Chowan River      | Avoca, N. C.              | W. M. Russ           | 250,000                   |
|                           | May 13, 1879  | Camden County, N. C.                   | North River                       | Albemarle Sound   | Avoca, N. C.              |                      | 500,000                   |
| Ohio                      | July 3, 1872  | Kent, Ohio                             | Cuyaboga River                    | Lake Erie         | South Hadley Falls, Mass. | Rev. Wm. Clift       | 1,000                     |
|                           | June 24, 1873 | Ashtabula, Ohio                        | Ashtabula River                   | Lake Erie         | Coeymans, N. Y.           | J. Mason             | 50,000                    |
|                           | June 25, 1874 | Eagleville, Ohio                       | Grand River                       | Lake Erie         | Coeymans, N. Y.           | Chase and Mather     | 60,000                    |
|                           | June 26, 1874 | Fremont, Ohio                          | Sandusky River                    | Lake Erie         | Coeymans, N. Y.           | H. W. Welsher        | 60,000                    |
|                           | July 2, 1874  | Bellefontaine, Ohio                    | Buckinghams River                 | Ohio River        | Coeymans, N. Y.           | Mather and Vealey    | 75,000                    |
|                           | July 18, 1874 | Elvira, Ohio                           | Black River                       | Ohio River        | South Hadley Falls, Mass. | O. M. Chase          | 65,000                    |
|                           | July 18, 1874 | Monroeville, Ohio                      | Huron River                       | Ohio River        | South Hadley Falls, Mass. | H. W. Welsher        | 65,000                    |
|                           | June 15, 1875 | Columbus, Ohio                         | Scioto River                      | Ohio River        | Coeymans, N. Y.           | Mason and Ingalls    | 75,000                    |
|                           | June 23, 1875 | Bayard, Ohio                           | Muskingum River                   | Ohio River        | Coeymans, N. Y.           | F. N. Clark          | 100,000                   |
|                           | June 13, 1876 | Janesville, Ohio                       | Muskingum River                   | Ohio River        | Harro de Grace, Md.       | Ingalls and Fairfax  | 59,700                    |
|                           | June 26, 1876 | Columbus, Ohio                         | Scioto River                      | Ohio River        | Harro de Grace, Md.       | J. H. Klippart       | 75,000                    |
|                           | June 9, 1878  | Fremont, Ohio                          | Sandusky River                    | Lake Erie         | Harro de Grace, Md.       | H. E. Quinn          | 60,000                    |
|                           | June 7, 1879  | Fremont, Ohio                          | Sandusky River                    | Lake Erie         | Specatite Narrows, Md.    | H. E. Quinn          | 100,000                   |
|                           | June 18, 1880 | Fremont, Ohio                          | Sandusky River                    | Lake Erie         | Potomac Station           | C. W. Schuermann     | 200,000                   |
|                           | June 18, 1873 | Point Pleasant, Pa.                    | Delaware River                    | Delaware Bay      | Point Pleasant, Pa.       | Not transferred      | 28,000                    |
| Pennsylvania              |               |                                        |                                   |                   |                           |                      |                           |

|                |               |                           |                      |                         |                          |                       |          |
|----------------|---------------|---------------------------|----------------------|-------------------------|--------------------------|-----------------------|----------|
|                | June 21, 1873 | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 35, 000  |
|                | June 25, 1873 | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 30, 000  |
|                | June 25, 1873 | Greensburgh, Pa           | Monongahela River    | Ohio River              | Point Pleasant, Pa       | Dr. J. H. Slack       | 15, 000  |
|                | June 26, 1873 | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 100, 000 |
|                | June 29, 1873 | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 140, 000 |
|                | June 30, 1873 | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 100, 000 |
|                | June 28, 1874 | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 35, 000  |
|                | June 29, 1874 | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 75, 000  |
|                | June 30, 1874 | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 85, 000  |
|                | July 2, 1874  | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 60, 000  |
|                | July 4, 1874  | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 90, 000  |
|                | July 6, 1874  | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 20, 000  |
|                | July 7, 1874  | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 20, 000  |
|                | July 8, 1874  | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 65, 000  |
|                | July 9, 1874  | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 40, 000  |
|                | July 15, 1874 | Point Pleasant, Pa        | Delaware River       | Delaware Bay            | Point Pleasant, Pa       | Not transferred       | 40, 000  |
|                | June 11, 1879 | Harrisburgh, Pa           | Susquehanna River    | Chesapeake Bay          | Spesute Narrows, Md.     | J. P. Creveling       | 140, 000 |
|                | May 17, 1880  | Georgetown, Pa            | Susquehanna River    | Chesapeake Bay          | Harre de Grace, Md.      | J. P. Creveling       | 200, 000 |
|                | May 22, 1880  | Harrisburgh, Pa           | Susquehanna River    | Chesapeake Bay          | Harre de Grace, Md.      | J. P. Creveling       | 250, 000 |
| Rhode Island   | July 26, 1874 | Bristol County, R. I.     | Warren River         | Providence River        | South Hadley Falls, Mass | J. F. Ellis           | 5, 000   |
|                | July 28, 1874 | Washington County, R. I.  | Pawcatuck River      | Little Narragansett Bay | South Hadley Falls, Mass | J. F. Ellis           | 7, 000   |
|                | July 28, 1874 | Providence County, R. I.  | Pawtuxet River       | Providence River        | South Hadley Falls, Mass | J. F. Ellis           | 12, 000  |
|                | July 28, 1874 | Providence County, R. I.  | Blackstone River     | Providence River        | South Hadley Falls, Mass | J. F. Ellis           | 12, 000  |
|                | July 23, 1875 | Bristol County, R. I.     | Warren River         | Providence River        | South Hadley Falls, Mass | J. Mason <i>et al</i> | 8, 200   |
|                | July 23, 1875 | Washington County, R. I.  | Pawcatuck River      | Little Narragansett Bay | South Hadley Falls, Mass | J. Mason <i>et al</i> | 13, 800  |
|                | July 23, 1875 | Providence County, R. I.  | Pawtuxet River       | Providence River        | South Hadley Falls, Mass | J. Mason <i>et al</i> | 22, 300  |
|                | July 23, 1875 | Bristol County, R. I.     | Barrington River     | Warren River            | South Hadley Falls, Mass | J. Mason <i>et al</i> | 5, 600   |
|                | July 14, 1877 | Providence County, R. I.  | Blackstone River     | Providence River        | South Hadley Falls, Mass | Mr. Rounds            | 50, 000  |
|                | July 18, 1877 | Bristol County, R. I.     | Warren River         | Providence River        | South Hadley Falls, Mass | Mr. Rounds            | 25, 000  |
|                | July 18, 1877 | Bristol County, R. I.     | Barrington River     | Warren River            | South Hadley Falls, Mass | Mr. Rounds            | 25, 000  |
| South Carolina | July 10, 1875 | Gaffney, S. C.            | Broad River          | Santee River            | South Hadley Falls, Mass | Clark and Quinn       | 80, 000  |
|                | June 9, 1878  | Spartanburgh C. H., S. C. | Broad River          | Santee River            | Harre de Grace, Md.      | Griswold and Quinn    | 50, 000  |
|                | June 1, 1878  | Marion County, S. C.      | Great Pee Dee River  | Winyah Bay              | Harre de Grace, Md.      | S. G. Worth           | 50, 000  |
|                | June 1, 1878  | Columbia, S. C.           | Broad River          | Santee River            | Harre de Grace, Md.      | S. G. Worth           | 50, 000  |
|                | May 3, 1879   | Charleston County, S. C.  | Cooper River         | Charleston Harbor       | Avoca, N. C.             | J. A. Woodward        | 75, 000  |
|                | May 24, 1880  | Marion County, S. C.      | Great Pee Dee River  | Winyah Bay              | Potomac Station          | S. M. Rixey           | 40, 000  |
|                | May 24, 1880  | Nichols, S. C.            | Little Pee Dee River | Great Pee Dee River     | Potomac Station          | S. M. Rixey           | 40, 000  |
|                | May 24, 1880  | Gaffney City, S. C.       | Broad River          | Congaree River          | Potomac Station          | C. J. Hake            | 375, 000 |
|                | May 24, 1880  | Seneca, S. C.             | Seneca River         | Savannah River          | Potomac Station          | C. J. Hake            | 375, 000 |
|                | May 24, 1880  | Rock Hill, S. C.          | Catawba River        | Waterce River           | Potomac Station          | J. F. Ellis           | 60, 000  |
|                | May 24, 1880  | Columbia, S. C.           | Broad River          | Santee River            | Potomac Station          | J. F. Ellis           | 140, 000 |
|                | May 24, 1880  | Richland County, S. C.    | Waterce River        | Santee River            | Potomac Station          | S. M. Rixey           | 40, 000  |
|                | May 24, 1880  | Sumter County, S. C.      | Lynch's Creek        | Great Pee Dee River     | Potomac Station          | S. M. Rixey           | 40, 000  |
|                | May 30, 1880  | Columbia, S. C.           | Broad River          | Santee River            | Potomac Station          | C. J. Hake            | 200, 000 |
| Tennessee      | July 10, 1875 | Nashville, Tenn.          | Cumberland River     | Ohio River              | South Hadley Falls, Mass | Chase and Boehm       | 80, 000  |
|                | July 16, 1875 | Nashville, Tenn.          | Cumberland River     | Ohio River              | South Hadley Falls, Mass | Chase and Boehm       | 80, 000  |
|                | July 16, 1875 | Knoxville, Tenn.          | Holston River        | Tennessee River         | South Hadley Falls, Mass | Mason and Ingalls     | 100, 000 |
|                | May 31, 1878  | Knoxville, Tenn.          | Holston River        | Tennessee River         | Harre de Grace, Md.      | J. D. McNaughton      | 72, 200  |
|                | May 31, 1878  | Athens, Tenn.             | Eastanabee River     | Tennessee River         | Harre de Grace, Md.      | B. S. Cory, Jr.       | 54, 300  |
|                | May 31, 1878  | Chattanooga, Tenn.        | Tennessee River      | Ohio River              | Harre de Grace, Md.      | F. A. Ingalls         | 72, 300  |
|                | July 17, 1876 | Jackson, Tenn.            | Forked Deer River    | Mississippi River       | South Hadley Falls, Mass | S. M. Gilmore         | 99, 000  |
|                | July 17, 1876 | Brownsville, Tenn.        | Big Hatchee River    | Mississippi River       | South Hadley Falls, Mass | C. D. Griswold        | 99, 000  |

D.—TABLE I.—Distribution of shad from 1872 to 1890, inclusive—Continued.

| State.               | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—     | Where fish were hatched.  | By whom transferred.        | Estimated number of fish. |
|----------------------|---------------|----------------------------------------|-----------------------------------|-------------------|---------------------------|-----------------------------|---------------------------|
| Tennessee—Continued. | July 12, 1877 | Jackson, Tenn.                         | Forked Deer River                 | Mississippi River | South Hadley Falls, Mass. | F. A. Ingalls               | 118,000                   |
|                      | May 18, 1878  | Humboldt, Tenn.                        | Middle Fork                       | Forked Deer River | Harre de Grace, Md.       | H. E. Quinn                 | 50,000                    |
|                      | May 16, 1878  | Huntingdon, Tenn.                      | South Fork of Obion River         | Mississippi River | Harre de Grace, Md.       | H. E. Quinn                 | 50,000                    |
|                      | June 2, 1879  | Nashville, Tenn.                       | Cumberland River                  | Ohio River        | Speautie Narrows, Md.     | C. W. Schuermann            | 100,000                   |
|                      | June 2, 1879  | Johnsonville, Tenn.                    | Tennessee River                   | Ohio River        | Speautie Narrows, Md.     | C. W. Schuermann            | 75,000                    |
|                      | June 2, 1879  | Dresden, Tenn.                         | East Obion River                  | Mississippi River | Speautie Narrows, Md.     | C. W. Schuermann            | 25,000                    |
|                      | June 2, 1879  | Paducah Junction, Tenn.                | West Obion River                  | Mississippi River | Speautie Narrows, Md.     | C. W. Schuermann            | 50,000                    |
|                      | June 13, 1879 | Knoxville, Tenn.                       | Holston River                     | Tennessee River   | Old Bay Fishery, Md.      | J. F. Ellis                 | 20,000                    |
|                      | June 13, 1879 | Chattanooga, Tenn.                     | Tennessee River                   | Ohio River        | Old Bay Fishery, Md.      | J. F. Ellis                 | 15,000                    |
|                      | July 3, 1874  | Hempstead, Tex.                        | Brazos River                      | Gulf of Mexico    | Coeymans, N. Y.           | Milner and Mason            | 20,000                    |
|                      | July 4, 1874  | Austin, Tex.                           | Colorado River                    | Matagorda Bay     | Coeymans, N. Y.           | Milner and Clark            | 40,000                    |
|                      | July 4, 1875  | Austin, Tex.                           | Colorado River                    | Matagorda Bay     | Coeymans, N. Y.           | Mason and Marks             | 60,000                    |
| Texas.               | May 19, 1879  | Mineola, Tex.                          | Sabine River                      | Gulf of Mexico    | Speautie Narrows, Md.     | H. E. Quinn                 | 100,000                   |
|                      | May 19, 1879  | Dallas, Tex.                           | Trinity River                     | Gulf of Mexico    | Speautie Narrows, Md.     | H. E. Quinn                 | 100,000                   |
|                      | May 21, 1879  | Hearne, Tex.                           | Brazos River                      | Gulf of Mexico    | Speautie Narrows, Md.     | L. Kumbien                  | 90,000                    |
|                      | May 21, 1879  | Austin, Tex.                           | Colorado River                    | Gulf of Mexico    | Speautie Narrows, Md.     | L. Kumbien                  | 85,000                    |
|                      | May 22, 1879  | Columbus, Tex.                         | Colorado River                    | Gulf of Mexico    | Speautie Narrows, Md.     | C. W. Schuermann            | 50,000                    |
|                      | May 22, 1879  | Luling, Tex.                           | San Marcus River                  | Guadalupe         | Speautie Narrows, Md.     | C. W. Schuermann            | 50,000                    |
|                      | May 22, 1879  | Seguin, Tex.                           | Guadalupe River                   | Guadalupe         | Speautie Narrows, Md.     | C. W. Schuermann            | 50,000                    |
|                      | May 22, 1879  | San Antonio, Tex.                      | San Antonio River                 | Gulf of Mexico    | Speautie Narrows, Md.     | C. W. Schuermann            | 50,000                    |
|                      | June 30, 1873 | Jordan, Utah                           | Jordan River                      | Great Salt Lake   | Coeymans, N. Y.           | L. Stone and H. W. Welsher. | 5,000                     |
| Utah                 | July 5, 1873  | Burlington, Vt.                        | Winooski River                    | Lake Champlain    | South Hadley Falls, Mass. | J. W. Milner and J. Mason.  | 100,000                   |
|                      | July 20, 1873 | Vergennes, Vt.                         | Otter Creek                       | Lake Champlain    | South Hadley Falls, Mass. | J. W. Milner and J. Mason.  | 100,000                   |
| Vermont.             | July —, 1873  | Brattleboro', Vt.                      | West River                        | Connecticut River | South Hadley Falls, Mass. | U. S. Fish Commission       | 100,000                   |
|                      | July —, 1873  | Bellows Falls, Vt.                     | Saxton's River                    | Connecticut River | South Hadley Falls, Mass. | U. S. Fish Commission       | 100,000                   |
|                      | July 15, 1874 | Bellows Falls, Vt.                     | Connecticut River                 | Long Island Sound | South Hadley Falls, Mass. | Mather and Vealey           | 215,000                   |
|                      | July 27, 1874 | Bellows Falls, Vt.                     | Connecticut River                 | Long Island Sound | South Hadley Falls, Mass. | Chase and Brooks            | 140,000                   |
|                      | July 28, 1874 | Vergennes, Vt.                         | Otter Creek                       | Lake Champlain    | South Hadley Falls, Mass. | Chase and Brooks            | 150,000                   |
|                      | Aug. 1, 1874  | Bellows Falls, Vt.                     | Connecticut River                 | Long Island Sound | South Hadley Falls, Mass. | Mather and Vealey           | 120,000                   |
|                      | Aug. 11, 1874 | Winooski, Vt.                          | Winooski River                    | Lake Champlain    | South Hadley Falls, Mass. | Brooks and Griswold         | 120,000                   |
|                      | Aug. 12, 1874 | Swanton, Vt.                           | Missisquoi River                  | Lake Champlain    | South Hadley Falls, Mass. | Brooks and Griswold         | 80,000                    |
|                      | Aug. 12, 1874 | Georgia, Vt.                           | Lamoille River                    | Lake Champlain    | South Hadley Falls, Mass. | Brooks and Griswold         | 80,000                    |
|                      | Aug. 20, 1874 | Bellows Falls, Vt.                     | Connecticut River                 | Long Island Sound | South Hadley Falls, Mass. | E. J. Brooks                | 30,000                    |
|                      | July 7, 1875  | South Vernon, Vt.                      | Connecticut River                 | Long Island Sound | South Hadley Falls, Mass. | Griswold and Quinn          | 200,000                   |
|                      | July 17, 1875 | South Vernon, Vt.                      | Connecticut River                 | Long Island Sound | South Hadley Falls, Mass. | Griswold and Quinn          | 280,000                   |
|                      | July 28, 1875 | Georgia, Vt.                           | Lamoille River                    | Lake Champlain    | South Hadley Falls, Mass. | O. M. Chase                 | 70,000                    |
|                      | July 10, 1876 | Bellows Falls, Vt.                     | Connecticut River                 | Long Island Sound | South Hadley Falls, Mass. | A. D. Hager                 | 300,000                   |
|                      | July 28, 1876 | Bellows Falls, Vt.                     | Connecticut River                 | Long Island Sound | South Hadley Falls, Mass. | A. D. Hager                 | 75,000                    |
|                      | July 30, 1876 | Bellows Falls, Vt.                     | Connecticut River                 | Long Island Sound | South Hadley Falls, Mass. | A. D. Hager                 | 30,000                    |
|                      | Aug. 7, 1876  | Bellows Falls, Vt.                     | Connecticut River                 | Long Island Sound | South Hadley Falls, Mass. | A. D. Hager                 | 240,000                   |
|                      | July 9, 1877  | Waterbury, Vt.                         | Winooski River                    | Lake Champlain    | South Hadley Falls, Mass. | R. E. Earl                  | 90,000                    |

|               |               |                           |                                   |                       |                               |                         |         |
|---------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------|-------------------------|---------|
| Virginia..... | May 25, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 200,000 |
|               | May 26, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 230,000 |
|               | May 27, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 275,000 |
|               | May 28, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 175,000 |
|               | May 29, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 100,000 |
|               | May 30, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 50,000  |
|               | May 31, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 50,000  |
|               | June 5, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 100,000 |
|               | June 6, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 75,000  |
|               | June 7, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 125,000 |
|               | June 8, 1873  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 20,000  |
|               | July 10, 1873 | Central, Va.....          | New River.....                    | Kanawha River.....    | Jackson City, Va.....         | H. W. Welsher.....      | 40,000  |
|               | May 21, 1875  | Free Stone Point, Va..... | Potomac River.....                | Chesapeake Bay.....   | Free Stone Point, Va.....     | Not transferred.....    | 103,500 |
|               | May 22, 1875  | Free Stone Point, Va..... | Potomac River.....                | Chesapeake Bay.....   | Free Stone Point, Va.....     | Not transferred.....    | 215,000 |
|               | May 23, 1875  | Free Stone Point, Va..... | Potomac River.....                | Chesapeake Bay.....   | Free Stone Point, Va.....     | Not transferred.....    | 472,000 |
|               | May 24, 1875  | Free Stone Point, Va..... | Potomac River.....                | Chesapeake Bay.....   | Free Stone Point, Va.....     | Not transferred.....    | 266,250 |
|               | May 25, 1875  | Free Stone Point, Va..... | Potomac River.....                | Chesapeake Bay.....   | Free Stone Point, Va.....     | Not transferred.....    | 100,000 |
|               | May 24-6, '75 | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 102,000 |
|               | May 24-6, '75 | Ferry Landing, Va.....    | Potomac River.....                | Chesapeake Bay.....   | Ferry Landing, Va.....        | Not transferred.....    | 220,000 |
|               | May 27, 1875  | Ferry Landing, Va.....    | Potomac River.....                | Chesapeake Bay.....   | Ferry Landing, Va.....        | Not transferred.....    | 185,000 |
|               | May 28, 1875  | Ferry Landing, Va.....    | Potomac River.....                | Chesapeake Bay.....   | Ferry Landing, Va.....        | Not transferred.....    | 290,000 |
|               | May 29, 1875  | Ferry Landing, Va.....    | Potomac River.....                | Chesapeake Bay.....   | Ferry Landing, Va.....        | Not transferred.....    | 250,000 |
|               | May 27-9, '75 | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 110,000 |
|               | May 30, 1875  | Ferry Landing, Va.....    | Potomac River.....                | Chesapeake Bay.....   | Ferry Landing, Va.....        | Not transferred.....    | 200,000 |
|               | May 31, 1875  | Ferry Landing, Va.....    | Potomac River.....                | Chesapeake Bay.....   | Ferry Landing, Va.....        | Not transferred.....    | 300,000 |
|               | May 31, 1875  | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 20,000  |
|               | June 1, 1875  | Ferry Landing, Va.....    | Potomac River.....                | Chesapeake Bay.....   | Ferry Landing, Va.....        | Not transferred.....    | 58,600  |
|               | June 1-4, '75 | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 540,800 |
|               | June 5-8, '75 | Jackson City, Va.....     | Potomac River.....                | Chesapeake Bay.....   | Jackson City, Va.....         | Not transferred.....    | 300,000 |
|               | July 8, 1875  | Stanton Station, Va.....  | Staunton River.....               | Roanoke River.....    | Point Pleasant, Va.....       | Anderson & Bell.....    | 100,000 |
|               | May 8-24, '75 | Ferry Landing, Va.....    | Potomac River.....                | Chesapeake Bay.....   | Ferry Landing, Va.....        | Not transferred.....    | 538,000 |
|               | May 25, 1876  | Stanton Station, Va.....  | Staunton River.....               | Roanoke River.....    | Havre de Grace, Md.....       | B. S. Cory, jr.....     | 52,900  |
|               | May 25, 1876  | Central, Va.....          | New River.....                    | Kanawha River.....    | Havre de Grace, Md.....       | F. A. Ingalls.....      | 52,500  |
|               | May 27, 1876  | Marion, Va.....           | Holston River.....                | Tennessee River.....  | Havre de Grace, Md.....       | Anderson & Kumlton..... | 74,700  |
|               | June 11, 1876 | Danville, Va.....         | Dan River.....                    | Roanoke River.....    | Havre de Grace, Md.....       | T. H. Bean.....         | 80,500  |
|               | July 16, 1877 | Halifax County, Va.....   | Dan River.....                    | Roanoke River.....    | South Hadley Falls, Mass..... | H. E. Quinn.....        | 110,000 |
|               | Apr. 11, 1878 | Nottoway, Va.....         | Nottoway River.....               | Chowan River.....     | Avoca, N. C.....              | W. G. Williamson.....   | 111,000 |
|               | Apr. 13, 1878 | Richmond, Va.....         | James River.....                  | Chesapeake Bay.....   | Avoca, N. C.....              | W. G. Williamson.....   | 115,000 |
|               | Apr. 22, 1878 | Suffolk, Va.....          | South branch Nansemond River..... | James River.....      | Avoca, N. C.....              | H. B. Nicholas.....     | 40,000  |
|               | Apr. 24, 1878 | Salem, Va.....            | Roanoke River.....                | Albemarle Sound.....  | Avoca, N. C.....              | W. F. Page.....         | 100,000 |
|               | Apr. 25, 1878 | Petersburg, Va.....       | Appomattox River.....             | James River.....      | Avoca, N. C.....              | H. B. Nicholas.....     | 60,000  |
|               | Apr. 30, 1878 | Millford, Va.....         | Mattaponi River.....              | York River.....       | Avoca, N. C.....              | H. B. Nicholas.....     | 90,000  |
|               | May 1, 1878   | Millford, Va.....         | Mattaponi River.....              | York River.....       | Avoca, N. C.....              | H. D. Johnson.....      | 90,000  |
|               | May 1, 1878   | Taylorsville, Va.....     | Little River.....                 | South Anne River..... | Avoca, N. C.....              | W. F. Page.....         | 100,000 |
|               | May 2, 1878   | Franklin, Va.....         | Blackwater River.....             | Chowan River.....     | Avoca, N. C.....              | Thomas Taylor.....      | 150,000 |
|               | May 2, 1878   | Franklin, Va.....         | Blackwater River.....             | Chowan River.....     | Avoca, N. C.....              | Thomas Taylor.....      | 100,000 |
|               | May 3, 1878   | Suffolk, Va.....          | South branch Nansemond River..... | James River.....      | Avoca, N. C.....              | Page & Johnson.....     | 50,000  |
|               | May 22, 1878  | Freestone, Va.....        | Potomac River.....                | Chesapeake Bay.....   | Steamer Lookout.....          | Not transferred.....    | 50,000  |
|               | May 28, 1878  | Riverton, Va.....         | Shenandoah River.....             | Potomac River.....    | Havre de Grace, Md.....       | W. F. Page.....         | 200,000 |
|               | June 1, 1878  | Shadwell, Va.....         | Rivanna River.....                | James River.....      | Havre de Grace, Md.....       | W. F. Page.....         | 175,000 |

D.—TABLE I.—*Distribution of shad from 1872 to 1880, inclusive—Continued.*

| State.              | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—    | Where fish were hatched. | By whom transferred.    | Estimated number of fish. |
|---------------------|---------------|----------------------------------------|-----------------------------------|------------------|--------------------------|-------------------------|---------------------------|
| Virginia—Continued. | June 4, 1878  | Waynesborough, Va.                     | South River                       | Shenandoah River | Steamer Lookout          | W. F. Page              | 150,000                   |
|                     | Apr. 28, 1878 | Franklin, Va.                          | Blackwater River                  | Chowan River     | Avoca, N. C.             | Thomas Taylor           | 200,000                   |
|                     | Apr. 28, 1878 | Suffolk, Va.                           | Nansemond River                   | Hampton Roads    | Avoca, N. C.             | W. G. Williamson        | 75,000                    |
|                     | May 2, 1879   | Franklin, Va.                          | Blackwater River                  | Chowan River     | Avoca, N. C.             | Thomas Taylor           | 120,000                   |
|                     | May 3, 1879   | Franklin, Va.                          | Blackwater River                  | Chowan River     | Avoca, N. C.             | S. G. Worth             | 25,000                    |
|                     | May 6, 1879   | Nottoway, Va.                          | Nottoway River                    | Chowan River     | Avoca, N. C.             | Woodward & Williams     | 100,000                   |
|                     | May 7, 1879   | Nottoway, Va.                          | Nottoway River                    | Chowan River     | Avoca, N. C.             | G. H. Williams          | 75,000                    |
|                     | May 7, 1879   | Franklin, Va.                          | Blackwater River                  | Chowan River     | Avoca, N. C.             | J. A. Woodward          | 150,000                   |
|                     | May 7, 1879   | Franklin, Va.                          | Blackwater River                  | Chowan River     | Avoca, N. C.             | W. M. Russ              | 75,000                    |
|                     | May 7, 1879   | Franklin, Va.                          | Blackwater River                  | Chowan River     | Avoca, N. C.             | W. M. Russ              | 95,000                    |
|                     | May 13, 1879  | Nottoway, Va.                          | Nottoway River                    | Chowan River     | Avoca, N. C.             | Taylor & Woodward       | 100,000                   |
|                     | May 14, 1879  | Franklin, Va.                          | Blackwater River                  | Chowan River     | Avoca, N. C.             | J. F. Ellis             | 80,000                    |
|                     | May 19, 1880  | Petersburg, Va.                        | Appomattox River                  | James River      | Potomac Station          | S. M. Rixey             | 160,000                   |
|                     | June 6, 1873  | Ronceverte, W. Va.                     | Greenbrier River                  | Kanawha River    | Jackson City, Va.        | J. W. Milner            | 30,000                    |
|                     | June —, 1876  | Piedmont, W. Va.                       | Potomac River                     | Chesapeake Bay   | Harre de Grace, Md.      | U. S. Fish Commission   | 200,000                   |
| West Virginia.      | June 3, 1879  | Piedmont, W. Va.                       | Potomac River                     | Chesapeake Bay   | Speantie Narrows, Md.    | H. E. Quinn             | 200,000                   |
|                     | June 9, 1879  | Rowlesburg, W. Va.                     | Cheat River                       | Ohio River       | Speantie Narrows, Md.    | L. Kumlien              | 65,000                    |
|                     | June 9, 1879  | Grafton, W. Va.                        | Tygart's Valley River             | Ohio River       | Speantie Narrows, Md.    | L. Kumlien              | 65,000                    |
|                     | June 9, 1879  | Clarksburg, W. Va.                     | West Fork River                   | Ohio River       | Speantie Narrows, Md.    | H. E. Quinn             | 65,000                    |
|                     | June 13, 1879 | Hinton, W. Va.                         | New River                         | Ohio River       | Speantie Narrows, Md.    | H. E. Quinn             | 65,000                    |
| Wisconsin           | June 13, 1879 | Ronceverte, W. Va.                     | Greenbrier River                  | Kanawha River    | Speantie Narrows, Md.    | J. W. Milner & J. Mason | 70,000                    |
|                     | June 20, 1873 | Appleton, Wis.                         | Fox River                         | Lake Michigan    | Coeyman's, N. Y.         | J. W. Milner            | 100,000                   |
|                     | June 12, 1877 | Appleton, Wis.                         | Fox River                         | Green Bay        | Speantie Narrows, Md.    | J. W. Milner            | 100,000                   |
|                     |               |                                        |                                   |                  |                          |                         | 97,373,250                |

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive.

| State.      | Date.           | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—      | Where finally hatched.       | Estimated number of fish. |
|-------------|-----------------|----------------------------------------|-----------------------------------|--------------------|------------------------------|---------------------------|
| Alabama     | Dec. 18, 1876   | Montgomery, Ala.                       | Alabama River                     | Mobile River       | Northville, Mich.            | 28,600                    |
|             | Dec. 29, 1878   | Oxford, Ala.                           | Cold Water Creek                  | Coosa River        | Baltimore, Md.               | 2,000                     |
| Arkansas    | Dec. —, 1878    | Little Rock, Ark.                      | Arkansas River                    | Mississippi River  | Northville, Mich.            | 1,000                     |
|             | Dec. —, 1878    | Little Rock, Ark.                      | Arkansas River                    | Mississippi River  | Northville, Mich.            | 1,000                     |
|             | Dec. —, 1878    | Arkadelphia, Ark.                      | Quactuto River                    | Washita River      | Northville, Mich.            | 1,000                     |
|             | Dec. —, 1878    | Newport, Ark.                          | White River                       | Mississippi River  | Northville, Mich.            | 1,000                     |
|             | Dec. —, 1878    | Benton, Ark.                           | Saline River                      | Washita River      | Northville, Mich.            | 1,000                     |
|             | Dec. —, 1878    | Benton, Ark.                           | Saline River                      | Washita River      | Northville, Mich.            | 1,000                     |
|             | Dec. —, 1878    | Arkadelphia, Ark.                      | Quactuto River                    | Washita River      | Northville, Mich.            | 1,000                     |
|             | Dec. —, 1878    | Newport, Ark.                          | White River                       | Mississippi River  | Northville, Mich.            | 1,000                     |
|             | Dec. —, 1878    | Arkadelphia, Ark.                      | Quactuto River                    | Washita River      | Northville, Mich.            | 1,000                     |
|             | Sept. —, 1873   | Baird, Cal.                            | McCloud River                     | Sacramento River   | U. S. Station, McCloud River | 500,000                   |
| California  | Sept. —, 1874   | Baird, Cal.                            | McCloud River                     | Sacramento River   | U. S. Station, McCloud River | 500,000                   |
|             | Sept.-Oct., '75 | Baird, Cal.                            | McCloud River                     | Sacramento River   | U. S. Station, McCloud River | 850,000                   |
|             | 1876            | San Francisco, Cal.                    | Private fish farm                 | Sacramento River   | Alameda County               | 10,000                    |
|             | 1876            | San Francisco, Cal.                    | Woodward's Gardens                | Sacramento River   | San Francisco, Cal.          | 10,000                    |
|             | Sept.-Oct., '76 | Baird, Cal.                            | McCloud River                     | Sacramento River   | U. S. Station, McCloud River | 1,500,000                 |
|             | Sept. —, 1877   |                                        | Clackamas River                   | Columbia River     | Clackamas River              | 1,000,000                 |
|             | Oct. —, 1877    | Baird, Cal.                            | McCloud River                     | Sacramento River   | U. S. Station, McCloud River | 2,200,000                 |
|             | Oct. —, 1878    | Baird, Cal.                            | McCloud River                     | Sacramento River   | U. S. Station, McCloud River | 2,500,000                 |
|             | Dec. —, 1878    |                                        | Clackamas River                   | Columbia River     | Clackamas River              | 1,200,000                 |
|             | Oct. —, 1879    | Baird, Cal.                            | McCloud River                     | Sacramento River   | U. S. Station, McCloud River | 2,000,000                 |
| Colorado    | Oct. —, 1880    | Baird, Cal.                            | McCloud River                     | Sacramento River   | U. S. Station, McCloud River | 2,000,000                 |
|             | 1874            | Georgetown, Colo.                      | Green Lake                        | South Platte River | Georgetown, Colo.            | 11,450                    |
|             | 1874            | Georgetown, Colo.                      | Clear Lake                        | South Platte River | Georgetown, Colo.            | 11,450                    |
|             | 1875            | Georgetown, Colo.                      | Green Lake                        | South Platte River | Georgetown, Colo.            | 200,000                   |
|             | 1876            | Georgetown, Colo.                      | Green Lake                        | South Platte River | Georgetown, Colo.            | 250,000                   |
| Connecticut | Dec. 11, 1873   | Colebrook, Conn.                       | Farmington River                  | Connecticut River  | Waltonian hatching-house     | 5,000                     |
|             | Dec. 20, 1873   | Northford, Conn.                       | West River                        | Connecticut River  | North Branford, Conn.        | 6,000                     |
|             | Jan. 1, 1874    | Durham, Conn.                          | West River                        | Connecticut River  | North Branford, Conn.        | 15,000                    |
|             | Spring, 1874    | North Branford, Conn.                  | Mill River                        | Long Island Sound  | North Branford, Conn.        | 24,000                    |
|             | Dec. 18, 1874   | New Milford, Conn.                     | Butler Brook                      | Housatonic River   | Westport, Conn.              | 50,000                    |
|             | Dec. 18, 1874   | ———, Conn.                             | Quinnepiac River                  | Long Island Sound  | N. Y. State hatching-house   | 2,700                     |
|             | Dec. 21, 1874   | Pine Meadow, Conn.                     | Farmington River                  | Connecticut River  | Westport, Conn.              | 50,000                    |
|             | Dec. 23, 1874   | Pine Meadow, Conn.                     | Farmington River                  | Connecticut River  | Westport, Conn.              | 20,000                    |
|             | Dec. 26, 1874   |                                        | Shellocket River                  | Thames River       | North Branford, Conn.        | 50,000                    |
|             | Dec. 30, 1874   | Durham, Conn.                          | Cocomochoque River                | Connecticut River  | North Branford, Conn.        | 50,000                    |
|             | Jan. 20, 1875   | New Haven, Conn.                       | Farm River                        | Long Island Sound  | North Branford, Conn.        | 20,000                    |
|             | Feb. 10, 1875   | ———, Conn.                             | Quinnepiac River                  | Long Island Sound  | N. Y. State hatching-house   | 3,000                     |
|             | Dec. —, 1875    | North Windham, Conn.                   | Natchaug River                    | Thames River       | Westport, Conn.              | 50,000                    |
|             | Dec. —, 1875    | New Milford, Conn.                     | Housatonic River                  | Long Island Sound  |                              | 110,000                   |
|             | Dec. —, 1875    | New Hartford, Conn.                    | Farmington River                  | Connecticut River  |                              | 300,000                   |
|             | 1876            |                                        | Farmington River                  | Connecticut River  |                              | 300,000                   |
|             | 1876            |                                        | Housatonic River                  | Long Island Sound  |                              | 100,000                   |

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.                 | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—       | Where finally hatched. | Estimated number of fish. |
|------------------------|---------------|----------------------------------------|-----------------------------------|---------------------|------------------------|---------------------------|
| Connecticut—Continued. | 1876          |                                        | Saugatuck River                   | Long Island Sound   |                        | 27,286                    |
|                        | 1876          |                                        | Natchaug River                    | Thames River        |                        | 50,000                    |
| Delaware               | Dec. 6, 1876  | Seaford, Del.                          | Nanticoke River                   | Tangier Sound       | Baltimore, Md.         | 10,400                    |
|                        | Dec. 16, 1878 | Seaford, Del.                          | Nanticoke River                   | Tangier Sound       | Baltimore, Md.         | 10,000                    |
|                        | Nov. 28, 1880 | Seaford, Del.                          | Little Nanticoke River            | Chesapeake Bay      |                        | 6,000                     |
|                        | Dec. 3, 1880  | Seaford, Del.                          | Little Nanticoke River            | Chesapeake Bay      |                        | 5,000                     |
| Georgia                | Dec. 22, 1876 | Resaca, Ga.                            | Coosa River                       | Alabama River       | Baltimore, Md.         | 5,000                     |
|                        | Dec. 22, 1876 | Cartersville, Ga.                      | Etowah River                      | Alabama River       | Baltimore, Md.         | 5,000                     |
|                        | Dec. 22, 1876 | Oconee, Ga.                            | Oconee River                      | Altamaha River      | Baltimore, Md.         | 10,000                    |
|                        | Dec. 22, 1876 | Crawfordsville, Ga.                    | Ogeechee River                    | Ossabaw Sound       | Baltimore, Md.         | 10,000                    |
|                        | Jan. 10, 1877 | Toccoa, Ga.                            | Tugalo River                      | Savannah River      | Baltimore, Md.         | 5,000                     |
|                        | Jan. 10, 1877 | Crawfordsville, Ga.                    | Ogeechee River                    | Ossabaw River       | Baltimore, Md.         | 7,500                     |
|                        | Jan. 10, 1877 | Norcross, Ga.                          | Chattahoochee River               | Apalachicola River  | Baltimore, Md.         | 7,500                     |
|                        | Dec. 21, 1878 | Milledgeville, Ga.                     | Oconee River                      | Altamaha River      | Baltimore, Md.         | 3,750                     |
|                        | Dec. 21, 1878 | Macon, Ga.                             | Ocmulgee River                    | Altamaha River      | Baltimore, Md.         | 3,750                     |
|                        | Dec. 21, 1878 | Corvinton, Ga.                         | Yellow River                      | Ocmulgee River      | Baltimore, Md.         | 3,750                     |
|                        | Dec. 21, 1878 | Corvinton, Ga.                         | Ocmulgee River                    | Altamaha River      | Baltimore, Md.         | 3,750                     |
|                        | Dec. 28, 1878 | Gainesville, Ga.                       | Chattahoochee River               | Apalachicola River  | Baltimore, Md.         | 3,000                     |
|                        | Dec. 28, 1878 | Baldings Mills, Ga.                    | Chastatee River                   | Chattahoochee River | Baltimore, Md.         | 3,000                     |
|                        | Dec. 28, 1878 | Jonesborough, Ga.                      | Flint River                       | Apalachicola River  | Baltimore, Md.         | 4,000                     |
|                        | Dec. 28, 1878 | Cartersville, Ga.                      | Etowah River                      | Coosa River         | Baltimore, Md.         | 2,000                     |
|                        | Dec. 28, 1878 | Resaca, Ga.                            | Coosa River                       | Alabama River       | Baltimore, Md.         | 2,000                     |
| Illinois               | May 12, 1874  | Kensington, Ill.                       | Calumet River                     | Lake Michigan       | Pokagon, Mich.         | 25,000                    |
|                        | Dec. 22, 1874 | Rockford, Ill.                         | Rock River                        | Mississippi River   | Northville, Mich.      | 15,000                    |
|                        | Dec. 14, 1874 | Elgin, Ill.                            | Fox River                         | Mississippi River   | Pokagon, Mich.         | 20,000                    |
|                        | Jan. 28, 1875 | Rockford, Ill.                         | Rock River                        | Mississippi River   | Northville, Mich.      | 20,000                    |
|                        | Dec. 28, 1875 | Elgin, Ill.                            | Fox Lake                          | Mississippi River   | Northville, Mich.      | 18,700                    |
|                        | Dec. 28, 1875 | Elgin, Ill.                            | Twin Lake                         | Mississippi River   | Northville, Mich.      | 20,000                    |
|                        | Dec. 28, 1876 | Sand Lake, Ill.                        | Deep Lake                         | Illinois River      | Northville, Mich.      | 2,500                     |
|                        | Fall of 1876  | Belleville, Ill.                       | Prairie du Pont River             | Mississippi River   | Belleville, Ill.       | 20,000                    |
|                        | Fall of 1876  |                                        | Kankakee River                    | Illinois River      | Elgin, Ill.            | 25,000                    |
|                        | Fall of 1876  |                                        | Illinois River                    | Mississippi River   | Elgin, Ill.            | 25,000                    |
|                        | Fall of 1876  |                                        | Rock River                        | Mississippi River   | Elgin, Ill.            | 15,000                    |
|                        | Fall of 1876  |                                        | Fox River                         | Illinois River      | Elgin, Ill.            | 73,000                    |
|                        | Spring, 1877  | Belleville, Ill.                       | Prairie du Pont River             | Mississippi River   | Belleville, Ill.       | 10,000                    |
|                        | Spring, 1877  | Belleville, Ill.                       | Kankakee River                    | Mississippi River   | Belleville, Ill.       | 10,000                    |
|                        | Spring, 1877  | Belleville, Ill.                       | Mississippi River                 | Gulf of Mexico      | Belleville, Ill.       | 10,000                    |
|                        | Oct. —, 1877  | Burrill, Ill.                          | Knapp's Creek                     | Pecatonica River    | Rockford, Ill.         | 25,000                    |
|                        | Nov. —, 1877  | Owen, Ill.                             | Brown's Creek                     | Rock River          | Rockford, Ill.         | 10,000                    |
|                        | Nov. —, 1877  | Rockford, Ill.                         | Kan's Creek                       | Rock River          | Rockford, Ill.         | 10,000                    |
|                        | Dec. 14, 1877 | Jacksonville, Ill.                     | Lake                              | Illinois River      | Elgin, Ill.            | 10,000                    |
|                        | Dec. 25, 1877 | McHenry, Ill.                          | Column Lake                       | Fox River           | Elgin, Ill.            | 5,000                     |
|                        | Dec. 28, 1877 | Mount Carroll, Ill.                    | Carroll Creek                     | Plum River          | Elgin, Ill.            | 5,000                     |
|                        | 1877          | Arlington Heights, Ill.                | Small Lake                        | Des Moines River    | Elgin, Ill.            | 1,000                     |

|         |                |                        |                        |                   |                     |         |
|---------|----------------|------------------------|------------------------|-------------------|---------------------|---------|
| Indiana | Jan. —, 1878   | Crystal Lake, Ill.     | Kankakee River         | Illinois River    | Elgin, Ill.         | 10,000  |
|         | Jan. —, 1879   | Rockford, Ill.         | Crystal Lake           | Fox River         | Geneva Lake, Ill.   | 20,000  |
|         | Jan. —, 1879   | Cary Station, Ill.     | Rock River             | Illinois River    | Geneva Lake, Ill.   | 50,000  |
|         | Spring, 1879   | Mount Carroll, Ill.    | Fox River              | Illinois River    | Geneva Lake, Ill.   | 20,000  |
|         | Dec. 16, 1874  | Indianapolis, Ind.     | Carroll Creek          | Plum River        | Mount Carroll, Ill. | 46,000  |
|         | Dec. 24, 1874  | Guilford, Ind.         | White River            | Wabash River      | Pokagon, Mich.      | 16,000  |
|         | Dec. 4, 1875   | Laporte, Ind.          | Tanner's Creek         | Ohio River        | Pokagon, Mich.      | 15,000  |
|         | Dec. 14, 1875  | Warren, Ind.           | Kankakee River         | Illinois River    | Northville, Mich.   | 30,000  |
|         | Jan. 4, 1876   | Wabash, Ind.           | Grapewine Creek        | Kankakee River    | Pokagon, Mich.      | 282,000 |
|         | Jan. 17, 1876  | Michigan City, Ind.    | Wabash River           | Ohio River        | Northville, Mich.   | 25,000  |
| Iowa    | Dec. 21-6, '76 | Wabash, Ind.           | Kankakee River         | Illinois River    | Northville, Mich.   | 2,000   |
|         | Dec. 30, 1876  | Guilford, Ind.         | Wabash River           | Ohio River        | Northville, Mich.   | 73,500  |
|         | Dec. 2, 1874   | Des Moines, Iowa       | Tanner's Creek         | Ohio River        | Northville, Mich.   | 20,000  |
|         | Dec. 5, 1874   | Waterloo, Iowa         | Des Moines River       | Mississippi River | Anamosa, Iowa       | 5,200   |
|         | Dec. 8, 1874   | Monticello, Iowa       | Cedar River            | Mississippi River | Anamosa, Iowa       | 3,500   |
|         | Dec. 11, 1874  | Maquoketa, Iowa        | Maquoketa River        | Mississippi River | Anamosa, Iowa       | 7,000   |
|         | Dec. 12, 1874  | Cedar Rapids, Iowa     | Maquoketa River        | Mississippi River | Anamosa, Iowa       | 7,000   |
|         | Dec. 12, 1874  | Marion, Iowa           | Cedar River            | Mississippi River | Anamosa, Iowa       | 12,000  |
|         | Dec. 15, 1874  | Farley, Iowa           | Little Maquoketa River | Mississippi River | Anamosa, Iowa       | 3,000   |
|         | Dec. 15, 1874  | Epworth, Iowa          | Little Maquoketa River | Mississippi River | Anamosa, Iowa       | 2,500   |
|         | Dec. 15, 1874  | Fredericksburgh, Iowa  | Upper Iowa River       | Mississippi River | Anamosa, Iowa       | 3,500   |
|         | Dec. 15, 1874  | McGregor, Iowa         | Bloody Run             | Mississippi River | Anamosa, Iowa       | 300     |
|         | Dec. 18, 1874  | Tipton, Iowa           | Cedar Run              | Mississippi River | Anamosa, Iowa       | 5,700   |
|         | Dec. 18, 1874  | Iowa Falls, Iowa       | Iowa River             | Cedar River       | Anamosa, Iowa       | 4,100   |
|         | Dec. 18, 1874  | Fort Dodge, Iowa       | Des Moines River       | Mississippi River | Anamosa, Iowa       | 10,000  |
|         | Dec. 27, 1874  | Clinton Junction, Iowa | Mississippi River      | Gulf of Mexico    | Anamosa, Iowa       | 15,000  |
|         | Dec. 27, 1874  | Charlotte, Iowa        | Maquoketa River        | Mississippi River | Anamosa, Iowa       | 2,500   |
|         | Dec. 28, 1874  | Dixon, Iowa            | Big Rock Creek         | Wapapimicon River | Anamosa, Iowa       | 2,500   |
|         | Dec. 28, 1874  | Big Rock, Iowa         | Big Rock Creek         | Wapapimicon River | Anamosa, Iowa       | 2,500   |
|         | Dec. 28, 1874  | Anamosa, Iowa          | Wapapimicon River      | Mississippi River | Anamosa, Iowa       | 5,000   |
|         | Jan. 4, 1875   | Waukon, Iowa           | Paint Creek            | Mississippi River | Anamosa, Iowa       | 700     |
|         | Jan. 4, 1875   | Worthington, Iowa      | Maquoketa River        | Mississippi River | Anamosa, Iowa       | 2,000   |
|         | Jan. 5, 1875   | Atlantic, Iowa         | Nishnabotany River     | Missouri River    | Anamosa, Iowa       | 2,000   |
|         | Jan. 6, 1875   | Delhi, Iowa            | Maquoketa River        | Mississippi River | Anamosa, Iowa       | 6,000   |
|         | Jan. 6, 1875   | Hopkinton, Iowa        | Maquoketa River        | Mississippi River | Anamosa, Iowa       | 400     |
|         | Jan. 6, 1875   | Grealey, Iowa          | Volga River            | Turkey River      | Anamosa, Iowa       | 400     |
|         | Jan. 6, 1875   | Fayette, Iowa          | Volga River            | Turkey River      | Anamosa, Iowa       | 600     |
|         | Jan. 6, 1875   | Delaware, Iowa         | Spring Creek           | Maquoketa River   | Anamosa, Iowa       | 14,000  |
|         | Jan. 11, 1875  | Ottumwa, Iowa          | Des Moines River       | Mississippi River | Anamosa, Iowa       | 4,600   |
|         | Jan. 12, 1875  | Des Moines, Iowa       | Des Moines River       | Mississippi River | Anamosa, Iowa       | 11,000  |
|         | Jan. 12, 1875  | Polk County, Iowa      | Brown's Creek          | Mississippi River | Anamosa, Iowa       | 5,200   |
|         | Jan. 12, 1875  | Polk County, Iowa      | Raccoon Creek          | Des Moines River  | Anamosa, Iowa       | 500     |
|         | Jan. 18, 1875  | Oxford, Iowa           | Wapapimicon River      | Mississippi River | Anamosa, Iowa       | 500     |
|         | Jan. 18, 1875  | Iowa City, Iowa        | Iowa River             | Mississippi River | Anamosa, Iowa       | 10,500  |
|         | Jan. 18, 1875  | Wilton, Iowa           | Cedar River            | Mississippi River | Anamosa, Iowa       | 3,500   |
|         | Jan. 18, 1875  | Anamosa, Iowa          | Wapapimicon River      | Iowa River        | Anamosa, Iowa       | 3,500   |
|         | Jan. 27, 1875  | Springville, Iowa      | Cedar River            | Iowa River        | Anamosa, Iowa       | 6,000   |
|         | Jan. 27, 1875  | Independence, Iowa     | Wapapimicon River      | Mississippi River | Anamosa, Iowa       | 3,500   |
|         | Jan. 27, 1875  | Walker, Iowa           | Cedar River            | Iowa River        | Anamosa, Iowa       | 10,500  |
|         | Jan. 27, 1875  | Clermont, Iowa         | Turkey River           | Mississippi River | Anamosa, Iowa       | 3,500   |
|         | Jan. 27, 1875  | Maynard, Iowa          | Volga River            | Turkey River      | Anamosa, Iowa       | 3,500   |

D.—TABLE II.—Distribution of California salmon from 1873 to 1890, inclusive—Continued.

| State.          | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—           | Where finally hatched. | Estimated number of fish. |
|-----------------|---------------|----------------------------------------|-----------------------------------|-------------------------|------------------------|---------------------------|
| Iowa—Continued. | Feb. 1, 1875  | Cherokee, Iowa.....                    | Little Sioux River.....           | Missouri River.....     | Anamosa, Iowa.....     | 10,000                    |
|                 | Feb. 1, 1875  | Le Mars, Iowa.....                     | Floyd River.....                  | Missouri River.....     | Anamosa, Iowa.....     | 5,000                     |
|                 | Feb. 1, 1875  | Sioux City, Iowa.....                  | Floyd River.....                  | Missouri River.....     | Anamosa, Iowa.....     | 5,000                     |
|                 | Feb. 1, 1875  | Webster City, Iowa.....                | Boone River.....                  | Des Moines River.....   | Anamosa, Iowa.....     | 9,800                     |
|                 | Feb. 1, 1875  | Pomeroy, Iowa.....                     | Twin Lakes.....                   | North Coon River.....   | Anamosa, Iowa.....     | 10,000                    |
|                 | Feb. 1, 1875  | Storm Lake, Iowa.....                  | Storm Lake.....                   | North Coon River.....   | Anamosa, Iowa.....     | 10,000                    |
|                 | Feb. 1, 1875  | Manchester, Iowa.....                  | Maquoketa River.....              | Mississippi River.....  | Anamosa, Iowa.....     | 200                       |
|                 | Feb. 13, 1875 | Tipton, Iowa.....                      | Cedar River.....                  | Iowa River.....         | Anamosa, Iowa.....     | 4,000                     |
|                 | Mar. 6, 1875  | Linn County, Iowa.....                 | Storm Spring.....                 | Mississippi River.....  | Anamosa, Iowa.....     | 4,000                     |
|                 | Mar. 10, 1875 | Decorah, Iowa.....                     | Upper Iowa River.....             | Mississippi River.....  | Anamosa, Iowa.....     | 8,000                     |
|                 | Apr. 7, 1875  | Anamosa, Iowa.....                     | Wapsipinicon River.....           | Mississippi River.....  | Anamosa, Iowa.....     | 5,000                     |
|                 | Dec. 9, 1875  | Plymouth County, Iowa.....             | Deep Creek.....                   | Floyd River.....        | Anamosa, Iowa.....     | 10,000                    |
|                 | Dec. 11, 1875 | Chickasaw County, Iowa.....            | Wapsie River.....                 | Mississippi River.....  | Anamosa, Iowa.....     | 8,000                     |
|                 | Dec. 21, 1875 | Winnebago County, Iowa.....            | Upper Iowa River.....             | Mississippi River.....  | Anamosa, Iowa.....     | 10,000                    |
|                 | Jan. 14, 1876 | Winnebago County, Iowa.....            | Turkey River.....                 | Mississippi River.....  | Anamosa, Iowa.....     | 5,000                     |
|                 | Jan. 14, 1876 | Fayette County, Iowa.....              | Volga River.....                  | Turkey River.....       | Anamosa, Iowa.....     | 5,000                     |
|                 | Jan. 15, 1876 | Marion County, Iowa.....               | White Breast Creek.....           | Des Moines River.....   | Anamosa, Iowa.....     | 5,000                     |
|                 | Jan. 15, 1876 | Union County, Iowa.....                | Grand River.....                  | Missouri River.....     | Anamosa, Iowa.....     | 5,000                     |
|                 | Jan. 15, 1876 | Union County, Iowa.....                | Twelve Mile Creek.....            | Grand River.....        | Anamosa, Iowa.....     | 5,000                     |
|                 | Jan. 15, 1876 | Union County, Iowa.....                | Platte River.....                 | Missouri River.....     | Anamosa, Iowa.....     | 5,000                     |
|                 | Jan. 20, 1876 | Council Bluffs, Iowa.....              | Missouri River.....               | Mississippi River.....  | Anamosa, Iowa.....     | 20,000                    |
|                 | Jan. 21, 1876 | Mills County, Iowa.....                | Silver Creek.....                 | Nishabotany River.....  | Anamosa, Iowa.....     | 5,000                     |
|                 | Feb. 4, 1876  | Buchanan County, Iowa.....             | Buffalo Creek.....                | Wapsipinicon River..... | Anamosa, Iowa.....     | 5,000                     |
|                 | Feb. 4, 1876  | Floyd County, Iowa.....                | Red Cedar River.....              | Cedar River.....        | Anamosa, Iowa.....     | 3,000                     |
|                 | Feb. 4, 1876  | Floyd County, Iowa.....                | Little Cedar River.....           | Red Cedar River.....    | Anamosa, Iowa.....     | 3,000                     |
|                 | Feb. 17, 1876 | Mills County, Iowa.....                | Nishabotany River.....            | Missouri River.....     | Anamosa, Iowa.....     | 5,000                     |
|                 | Feb. 21, 1876 | Plymouth County, Iowa.....             | Clear Creek.....                  | Little Sioux River..... | Anamosa, Iowa.....     | 1,000                     |
|                 | Feb. 21, 1876 | .....                                  | Cedar Creek.....                  | Mississippi River.....  | Anamosa, Iowa.....     | 2,500                     |
|                 | Feb. 21, 1876 | .....                                  | Iowa River.....                   | Cedar River.....        | Anamosa, Iowa.....     | 2,500                     |
|                 | Feb. 21, 1876 | Mahaska County, Iowa.....              | Des Moines River.....             | Mississippi River.....  | Anamosa, Iowa.....     | 3,000                     |
|                 | Feb. 21, 1876 | Mahaska County, Iowa.....              | Skunk River.....                  | Mississippi River.....  | Anamosa, Iowa.....     | 3,000                     |
|                 | Feb. 21, 1876 | Montgomery County, Iowa.....           | Walnut Creek.....                 | Nishabotany River.....  | Anamosa, Iowa.....     | 5,000                     |
|                 | Feb. 23, 1876 | .....                                  | Iowa River.....                   | Cedar River.....        | Anamosa, Iowa.....     | 10,000                    |
|                 | Mar. 1, 1876  | .....                                  | Des Moines River.....             | Mississippi River.....  | Anamosa, Iowa.....     | 10,000                    |
|                 | Mar. 2, 1876  | Crawford County, Iowa.....             | Boyer River.....                  | Missouri River.....     | Anamosa, Iowa.....     | 10,000                    |
|                 | Mar. 2, 1876  | Missouri Valley, Iowa.....             | Lakes.....                        | Boyer River.....        | Anamosa, Iowa.....     | 10,000                    |
|                 | Mar. 6, 1876  | Henry County, Iowa.....                | Big Creek.....                    | Skunk River.....        | Anamosa, Iowa.....     | 5,000                     |
|                 | Mar. 6, 1876  | Davis County, Iowa.....                | Fox River.....                    | Mississippi River.....  | Anamosa, Iowa.....     | 2,500                     |
|                 | Mar. 6, 1876  | Jefferson County, Iowa.....            | Cedar Creek.....                  | Skunk River.....        | Anamosa, Iowa.....     | 2,500                     |
|                 | Mar. 6, 1876  | Lucas County, Iowa.....                | Chariton River.....               | Missouri River.....     | Anamosa, Iowa.....     | 5,000                     |
|                 | Mar. 6, 1876  | Marion County, Iowa.....               | White Breast Creek.....           | Des Moines River.....   | Anamosa, Iowa.....     | 5,000                     |
|                 | Mar. 6, 1876  | Montgomery County, Iowa.....           | Nodaway River.....                | Missouri River.....     | Anamosa, Iowa.....     | 5,000                     |
|                 | Mar. 6, 1876  | Mills County, Iowa.....                | Nishabotany River.....            | Missouri River.....     | Anamosa, Iowa.....     | 5,000                     |
|                 | Mar. 6, 1876  | Montgomery County, Iowa.....           | Walnut Creek.....                 | Nishabotany River.....  | Anamosa, Iowa.....     | 5,000                     |

|               |                        |                    |                    |                   |        |
|---------------|------------------------|--------------------|--------------------|-------------------|--------|
| Mar. 6, 1876  | Mills County, Iowa     | Silver Creek       | Nishnabotany River | Anamosa, Iowa     | 5,000  |
| Mar. 6, 1876  | Mills County, Iowa     | Keg Creek          | Missouri River     | Anamosa, Iowa     | 5,000  |
| Mar. 7, 1876  |                        | Cedar River        | Mississippi River  | Anamosa, Iowa     | 3,000  |
| Mar. 14, 1876 | Chickasaw County, Iowa | Wapsie River       | Mississippi River  | Anamosa, Iowa     | 10,000 |
| Mar. 20, 1876 | Hancock County, Iowa   | Iowa River         | Cedar River        | Anamosa, Iowa     | 3,000  |
| Mar. 20, 1876 | Hancock County, Iowa   | Boone River        | Des Moines River   | Anamosa, Iowa     | 3,000  |
| Mar. 20, 1876 | Kossuth County, Iowa   | Des Moines River   | Mississippi River  | Anamosa, Iowa     | 3,000  |
| Mar. 20, 1876 | Plymouth County, Iowa  | Big Sioux River    | Missouri River     | Anamosa, Iowa     | 3,000  |
| Mar. 20, 1876 | Plymouth County, Iowa  | Floyd River        | Missouri River     | Anamosa, Iowa     | 3,000  |
| Mar. 20, 1876 | Calhoun County, Iowa   | Twin Lakes         | North Coon River   | Anamosa, Iowa     | 5,000  |
| Mar. 20, 1876 | Storm Lake, Iowa       | Storm Lake         | North Coon River   | Anamosa, Iowa     | 3,000  |
| Mar. 20, 1876 | Dickinson County, Iowa | Spirit Lake        |                    | Anamosa, Iowa     | 3,000  |
| Mar. 20, 1876 | Dickinson County, Iowa | Okoboji Lake       | Little Sioux River | Anamosa, Iowa     | 3,000  |
| Mar. 20, 1876 | Hancock County, Iowa   | Crystal Lake       | Iowa River         | Anamosa, Iowa     | 3,000  |
| Mar. 27, 1876 | Floyd County, Iowa     | Shell Rock River   | Cedar River        | Anamosa, Iowa     | 3,000  |
| Mar. 27, 1876 | Butler County, Iowa    | Beaver Creek       | Shell Rock River   | Anamosa, Iowa     | 5,000  |
| Mar. 27, 1876 | Butler County, Iowa    | West Fork          | Cedar River        | Anamosa, Iowa     | 3,000  |
| Mar. 28, 1876 |                        | Lyman Creek        |                    | Anamosa, Iowa     | 3,000  |
| Mar. 28, 1876 | Floyd County, Iowa     | Little Cedar Creek | Red Cedar River    | Anamosa, Iowa     | 3,000  |
| Mar. 28, 1876 | Hancock County, Iowa   | Iowa River         | Cedar River        | Anamosa, Iowa     | 3,000  |
| Mar. 28, 1876 | Kossuth County, Iowa   | Des Moines River   | Mississippi River  | Anamosa, Iowa     | 3,000  |
| Mar. 28, 1876 | Clear Lake, Iowa       | Clear Lake         | Shell Rock River   | Anamosa, Iowa     | 2,500  |
| Mar. 28, 1876 | Hancock County, Iowa   | Eagle Lake         | Iowa River         | Anamosa, Iowa     | 2,500  |
| Mar. 28, 1876 | Hancock County, Iowa   | Crystal Lake       | Iowa River         | Anamosa, Iowa     | 2,500  |
| Mar. 28, 1876 | Winnebago County, Iowa | Twin Lakes         | Shell Rock River   | Anamosa, Iowa     | 2,500  |
| Apr. 3, 1876  |                        | Cedar River        | Mississippi River  | Anamosa, Iowa     | 5,000  |
| Dec. 28, 1876 | Sundry places          | Des Moines River   | Mississippi River  | Northville, Mich. | 25,000 |
| Apr. 4, 1878  |                        | Iowa River         | Cedar River        | Anamosa, Iowa     | 5,000  |
| Apr. 4, 1878  |                        | Copper Creek       | Mississippi River  | Anamosa, Iowa     | 5,000  |
| Apr. 28, 1878 | Floyd County, Iowa     | Shell Rock River   | Cedar River        | Anamosa, Iowa     | 5,000  |
| Apr. 28, 1878 | Kossuth County, Iowa   | Des Moines River   | Mississippi River  | Anamosa, Iowa     | 10,000 |
| Apr. 28, 1878 | Mills County, Iowa     | Silver Creek       | Nishnabotany River | Anamosa, Iowa     | 5,000  |
| June 10, 1878 | Dallas County, Iowa    | Raccoon River      | Mississippi River  | Anamosa, Iowa     | 5,000  |
| June 10, 1878 | Mahaska County, Iowa   | Skunk River        | Mississippi River  | Anamosa, Iowa     | 5,000  |
| June 10, 1878 | Warren County, Iowa    | Badger River       | North River        | Anamosa, Iowa     | 5,000  |
| June 16, 1878 | Linn County, Iowa      | Cedar River        | Mississippi River  | Anamosa, Iowa     | 5,000  |
| June 16, 1878 | Jones County, Iowa     | Wapsie River       | Mississippi River  | Anamosa, Iowa     | 5,000  |
| Jan. 27, 1879 | Sioux City, Iowa       | Big Sioux River    | Missouri River     | Anamosa, Iowa     | 4,000  |
| Jan. 31, 1879 | Clay County, Iowa      | Mud Lake           | Mississippi River  | Anamosa, Iowa     | 10,000 |
| Jan. 31, 1879 |                        | Skunk River        | Mississippi River  | Anamosa, Iowa     | 10,000 |
| Jan. 31, 1879 | Sac County, Iowa       | Wall Lake          |                    | Anamosa, Iowa     | 10,000 |
| Jan. 31, 1879 |                        | Turner's Lake      | Mississippi River  | Anamosa, Iowa     | 7,000  |
| Jan. 31, 1879 |                        | Iowa River         | Cedar River        | Anamosa, Iowa     | 7,000  |
| Feb. 12, 1879 | Boone County, Iowa     | Des Moines River   | Mississippi River  | Anamosa, Iowa     | 10,000 |
| Feb. 12, 1879 | Greene County, Iowa    | East Coon River    | Mississippi River  | Anamosa, Iowa     | 10,000 |
| Feb. 12, 1879 | Guthrie County, Iowa   | Middle River       | Des Moines River   | Anamosa, Iowa     | 10,000 |
| Feb. 12, 1879 | Sac County, Iowa       | Wall Lake          | Mississippi River  | Anamosa, Iowa     | 20,000 |
| Feb. 12, 1879 | Ida County, Iowa       | Maple River        | Little Sioux River | Anamosa, Iowa     | 10,000 |
| Feb. 20, 1879 | Maquoketa, Iowa        | Maquoketa River    | Mississippi River  | Anamosa, Iowa     | 10,000 |
| Mar. 10, 1879 | Anamosa, Iowa          | Wapsie River       | Mississippi River  | Anamosa, Iowa     | 10,000 |
| Mar. 17, 1879 | Big Rock, Iowa         | Wapapinicon River  | Mississippi River  | Anamosa, Iowa     | 3,000  |
| Mar. 20, 1879 | Winnebago County, Iowa | Turkey River       | Mississippi River  | Anamosa, Iowa     | 3,000  |

D.—TABLE II.—*Distribution of California salmon from 1873 to 1880, inclusive—Continued.*

| State.           | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—          | Where finally hatched.  | Estimated number of fish. |
|------------------|---------------|----------------------------------------|-----------------------------------|------------------------|-------------------------|---------------------------|
| Iowa—Continued.. | Mar. 22, 1879 | Hancock County, Iowa.....              | Boone River.....                  | Des Moines River.....  | Anamosa, Iowa.....      | 10,000                    |
|                  | Mar. 22, 1879 | Kossuth County, Iowa.....              | Des Moines River.....             | Mississippi River..... | Anamosa, Iowa.....      | 10,000                    |
|                  | Mar. 22, 1879 | Plymouth County, Iowa.....             | Plymouth Creek.....               | Missouri River.....    | Anamosa, Iowa.....      | 15,000                    |
|                  | Mar. 24, 1879 | Lisbon, Iowa.....                      | Lisbon Creek.....                 | Red Cedar River.....   | Anamosa, Iowa.....      | 4,000                     |
|                  | Mar. 28, 1879 |                                        | Cedar River.....                  | Mississippi River..... | Anamosa, Iowa.....      | 5,000                     |
|                  | Apr. 1, 1879  | Keokuk County, Iowa.....               | North Skunk River.....            | Skunk River.....       | Anamosa, Iowa.....      | 2,500                     |
|                  | Apr. 1, 1879  | Mahaska County, Iowa.....              | South Skunk River.....            | Skunk River.....       | Anamosa, Iowa.....      | 2,500                     |
|                  | May 14, 1879  | Kellogg, Iowa.....                     | North Skunk River.....            | Skunk River.....       | Anamosa, Iowa.....      | 2,500                     |
|                  | May 19, 1879  | Southern Iowa.....                     | Streams along C. B. & Q. R. R.    | Mississippi River..... | Anamosa, Iowa.....      | 12,000                    |
|                  | May 20, 1879  | Independence, Iowa.....                | Wapapinnicon River.....           | Mississippi River..... | Anamosa, Iowa.....      | 4,000                     |
|                  | May 20, 1879  | Fayette County, Iowa.....              | Volga River.....                  | Turkey River.....      | Anamosa, Iowa.....      | 5,000                     |
|                  | May 20, 1879  | Fayette County, Iowa.....              | Turkey River.....                 | Mississippi River..... | Anamosa, Iowa.....      | 5,000                     |
|                  | May 30, 1879  | Franklin County, Iowa.....             | Cedar River.....                  | Mississippi River..... | Anamosa, Iowa.....      | 10,000                    |
|                  | May 30, 1879  | Franklin County, Iowa.....             | Spring Creek.....                 | Cedar River.....       | Anamosa, Iowa.....      | 5,000                     |
| Kansas.....      | Oct. —, 1877  | Ellsworth, Kans.....                   | Smoky Hill River.....             | Kansas River.....      | Ellsworth, Kans.....    | 99,000                    |
|                  | Dec. —, 1878  | Stranger, Kans.....                    | Stranger River.....               | Missouri River.....    | Cedar Rapids, Iowa..... | 2,500                     |
|                  | Dec. —, 1878  | Independence, Kans.....                | Verdigris River.....              | Missouri River.....    | Cedar Rapids, Iowa..... | 2,500                     |
|                  | Dec. —, 1878  | Delaware, Kans.....                    | Delaware River.....               | Missouri River.....    | Cedar Rapids, Iowa..... | 3,000                     |
|                  | Dec. —, 1878  | Centralia, Kans.....                   | Red Vermillion River.....         | Kansas River.....      | Cedar Rapids, Iowa..... | 2,000                     |
|                  | Dec. —, 1878  | Wetmore, Kans.....                     | Spring Creek.....                 | Kansas River.....      | Cedar Rapids, Iowa..... | 1,000                     |
|                  | Dec. —, 1878  | Washington, Kans.....                  | Mill Creek.....                   | Big Blue River.....    | Cedar Rapids, Iowa..... | 1,000                     |
|                  | Dec. —, 1878  | Frankfort, Kans.....                   | Black Vermillion River.....       | Big Blue River.....    | Cedar Rapids, Iowa..... | 2,000                     |
|                  | Dec. —, 1878  | Barrett, Kans.....                     | Clear Creek.....                  | Kansas River.....      | Cedar Rapids, Iowa..... | 1,000                     |
|                  | Dec. —, 1878  | Blue Rapids, Kans.....                 | Big Blue River.....               | Kansas River.....      | Cedar Rapids, Iowa..... | 5,000                     |
|                  | Dec. —, 1878  | Waterville, Kans.....                  | Little Blue River.....            | Big Blue River.....    | Cedar Rapids, Iowa..... | 2,000                     |
|                  | Dec. —, 1878  | Concordia, Kans.....                   | Republican River.....             | Kansas River.....      | Cedar Rapids, Iowa..... | 5,000                     |
|                  | Dec. —, 1878  | Deloit, Kans.....                      | Solomon River.....                | Kansas River.....      | Cedar Rapids, Iowa..... | 5,000                     |
|                  | Dec. —, 1878  | Topeka, Kans.....                      | Soldier River.....                | Kansas River.....      | Cedar Rapids, Iowa..... | 1,000                     |
|                  | Dec. —, 1878  | Silver Lake, Kans.....                 | Silver Lake.....                  | Kansas River.....      | Cedar Rapids, Iowa..... | 500                       |
|                  | Dec. —, 1878  | Wamego, Kans.....                      | Vermillion River.....             | Kansas River.....      | Cedar Rapids, Iowa..... | 2,500                     |
|                  | Dec. —, 1878  | Manhattan, Kans.....                   | Big Blue River.....               | Kansas River.....      | Cedar Rapids, Iowa..... | 5,000                     |
|                  | Dec. —, 1878  | Junction City, Kans.....               | Republican River.....             | Kansas River.....      | Cedar Rapids, Iowa..... | 3,000                     |
|                  | Dec. —, 1878  | Chapman, Kans.....                     | Chapman's Creek.....              | Kansas River.....      | Cedar Rapids, Iowa..... | 2,000                     |
|                  | Dec. —, 1878  | Solomon City, Kans.....                | Solomon River.....                | Kansas River.....      | Cedar Rapids, Iowa..... | 2,000                     |
|                  | Dec. —, 1878  | Salina, Kans.....                      | Saline River.....                 | Smoky Hill River.....  | Cedar Rapids, Iowa..... | 3,000                     |
|                  | Dec. —, 1878  | Brookville, Kans.....                  | Spring Creek.....                 | Smoky Hill River.....  | Cedar Rapids, Iowa..... | 1,000                     |
|                  | Dec. —, 1878  | Ellsworth, Kans.....                   | Smoky Hill River.....             | Kansas River.....      | Cedar Rapids, Iowa..... | 5,000                     |
|                  | Dec. —, 1878  | Hayes City, Kans.....                  | Big Creek.....                    | Smoky Hill River.....  | Cedar Rapids, Iowa..... | 5,000                     |
|                  | Dec. —, 1878  | Ellis, Kans.....                       | Big Creek.....                    | Smoky Hill River.....  | Cedar Rapids, Iowa..... | 5,000                     |
|                  | Dec. —, 1878  | Ottawa, Kans.....                      | Wakarusa River.....               | Kansas River.....      | Cedar Rapids, Iowa..... | 2,000                     |
|                  | Dec. —, 1878  | Reading, Kans.....                     | Osage River.....                  | Missouri River.....    | Cedar Rapids, Iowa..... | 2,500                     |
|                  | Dec. —, 1878  | Emporia, Kans.....                     | Neosho River.....                 | Arkansas River.....    | Cedar Rapids, Iowa..... | 5,000                     |
|                  | Dec. —, 1878  | Florence, Kans.....                    | Cottonwood River.....             | Neosho River.....      | Cedar Rapids, Iowa..... | 2,000                     |
|                  | Dec. —, 1878  | Eldorado, Kans.....                    | Walnut River.....                 | Arkansas River.....    | Cedar Rapids, Iowa..... | 3,000                     |

|              |                      |                        |                       |                    |        |
|--------------|----------------------|------------------------|-----------------------|--------------------|--------|
| Dec. —, 1878 | Halstead, Kans.      | Little Arkansas River  | Arkansas River        | Cedar Rapids, Iowa | 2,800  |
| Dec. —, 1878 | McPherson, Kans.     | Lake Inman             | Little Arkansas River | Cedar Rapids, Iowa | 2,000  |
| Dec. —, 1878 | Hutchinson, Kans.    | Cow Creek              | Arkansas River        | Cedar Rapids, Iowa | 3,000  |
| Dec. —, 1878 | Great Bend, Kans.    | Walnut River           | Arkansas River        | Cedar Rapids, Iowa | 3,000  |
| Dec. —, 1878 | Larned, Kans.        | Pawnee Creek           | Arkansas River        | Cedar Rapids, Iowa | 5,000  |
| Dec. —, 1879 | Blue Rapids, Kans.   | Big Blue River         | Kansas River          | Cedar Rapids, Iowa | 5,000  |
| Dec. —, 1879 | Waterville, Kans.    | Little Blue River      | Big Blue River        | Cedar Rapids, Iowa | 2,000  |
| Dec. —, 1879 | Concordia, Kans.     | Republican River       | Kansas River          | Cedar Rapids, Iowa | 5,000  |
| Dec. —, 1879 | Bo-It, Kans.         | Solomon River          | Kansas River          | Cedar Rapids, Iowa | 5,000  |
| Dec. —, 1879 | Topeka, Kans.        | Soldier River          | Kansas River          | Cedar Rapids, Iowa | 1,000  |
| Dec. —, 1879 | Silver Lake, Kans.   | Silver Lake            | Kansas River          | Cedar Rapids, Iowa | 500    |
| Dec. —, 1879 | Wamego, Kans.        | Vermillion River       | Kansas River          | Cedar Rapids, Iowa | 2,500  |
| Dec. —, 1879 | Manhattan, Kans.     | Big Blue River         | Kansas River          | Cedar Rapids, Iowa | 5,000  |
| Dec. —, 1879 | Junction City, Kans. | Republican River       | Kansas River          | Cedar Rapids, Iowa | 3,000  |
| Dec. —, 1879 | Chapman, Kans.       | Chapman's Creek        | Kansas River          | Cedar Rapids, Iowa | 2,000  |
| Dec. —, 1879 | Solomon City, Kans.  | Solomon River          | Kansas River          | Cedar Rapids, Iowa | 2,000  |
| Dec. —, 1879 | Salina, Kans.        | Saline River           | Smoky Hill River      | Cedar Rapids, Iowa | 3,000  |
| Dec. —, 1879 | Brookville, Kans.    | Spring Creek           | Smoky Hill River      | Cedar Rapids, Iowa | 1,000  |
| Dec. —, 1879 | Ellsworth, Kans.     | Smoky Hill River       | Kansas River          | Cedar Rapids, Iowa | 5,000  |
| Dec. —, 1879 | Hayes City, Kans.    | Big Creek              | Smoky Hill River      | Cedar Rapids, Iowa | 5,000  |
| Dec. —, 1879 | Ellis, Kans.         | Big Creek              | Smoky Hill River      | Cedar Rapids, Iowa | 5,000  |
| Dec. —, 1879 | Ottawa, Kans.        | Wakarusa River         | Kansas River          | Cedar Rapids, Iowa | 2,000  |
| Dec. —, 1879 | Reading, Kans.       | Osage River            | Missouri River        | Cedar Rapids, Iowa | 2,000  |
| Dec. —, 1879 | Emporia, Kans.       | Neosho River           | Arkansas River        | Cedar Rapids, Iowa | 5,000  |
| Dec. —, 1879 | Florence, Kans.      | Cottonwood River       | Neosho River          | Cedar Rapids, Iowa | 2,000  |
| Dec. —, 1879 | Eldorado, Kans.      | Walnut River           | Arkansas River        | Cedar Rapids, Iowa | 3,000  |
| Dec. —, 1879 | Halstead, Kans.      | Little Arkansas River  | Arkansas River        | Cedar Rapids, Iowa | 2,500  |
| Dec. —, 1879 | McPherson, Kans.     | Lake Inman             | Little Arkansas River | Cedar Rapids, Iowa | 2,000  |
| Dec. —, 1879 | Hutchinson, Kans.    | Cow Creek              | Arkansas River        | Cedar Rapids, Iowa | 3,000  |
| Dec. —, 1879 | Great Bend, Kans.    | Walnut River           | Arkansas River        | Cedar Rapids, Iowa | 3,000  |
| Dec. —, 1879 | Larned, Kans.        | Pawnee Creek           | Arkansas River        | Cedar Rapids, Iowa | 5,000  |
| Dec. —, 1879 | Stranger, Kans.      | Stranger River         | Missouri River        | Cedar Rapids, Iowa | 2,500  |
| Dec. —, 1879 | Independence, Kans.  | Verdigris River        | Missouri River        | Cedar Rapids, Iowa | 2,500  |
| Dec. —, 1879 | Delaware, Kans.      | Delaware River         | Missouri River        | Cedar Rapids, Iowa | 3,000  |
| Dec. —, 1879 | Centralia, Kans.     | Red Vermillion River   | Kansas River          | Cedar Rapids, Iowa | 2,000  |
| Dec. —, 1879 | Wetmore, Kans.       | Spring Creek           | Kansas River          | Cedar Rapids, Iowa | 1,000  |
| Dec. —, 1879 | Washington, Kans.    | Mill Creek             | Big Blue River        | Cedar Rapids, Iowa | 1,000  |
| Dec. —, 1879 | Frankfort, Kans.     | Black Vermillion River | Big Blue River        | Cedar Rapids, Iowa | 2,000  |
| Dec. —, 1879 | Barrett, Kans.       | Clear Creek            | Kansas River          | Cedar Rapids, Iowa | 1,000  |
| Feb. 2, 1881 | Topeka, Kans.        | Wakarusa River         | Kansas River          | Ellsworth, Kans.   | 3,500  |
| Feb. 2, 1881 | Burlingame, Kans.    | Dragoon Creek          | Kansas River          | Ellsworth, Kans.   | 4,000  |
| Feb. 2, 1881 | Burlingame, Kans.    | Lake Lyndon            | Kansas River          | Ellsworth, Kans.   | 3,000  |
| Feb. 2, 1881 | Reading, Kans.       | Marias & Cygnus River  | Missouri River        | Ellsworth, Kans.   | 3,000  |
| Feb. 2, 1881 | Emporia, Kans.       | Neosho River           | Arkansas River        | Ellsworth, Kans.   | 15,000 |
| Feb. 2, 1881 | Florence, Kans.      | Cottonwood River       | Neosho River          | Ellsworth, Kans.   | 15,000 |
| Feb. 2, 1881 | Clay Center, Kans.   | Republican River       | Kansas River          | Ellsworth, Kans.   | 5,000  |
| Feb. 2, 1881 | Clifton, Kans.       | Republican River       | Kansas River          | Ellsworth, Kans.   | 5,000  |
| Feb. 2, 1881 | Concordia, Kans.     | Republican River       | Kansas River          | Ellsworth, Kans.   | 5,000  |
| Feb. 2, 1881 | Valley Falls, Kans.  | Delevan River          | Kansas River          | Ellsworth, Kans.   | 5,000  |
| Feb. 2, 1881 | Wamego, Kans.        | Vermillion River       | Kansas River          | Ellsworth, Kans.   | 5,000  |
| Feb. 2, 1881 | Manhattan, Kans.     | Big Blue River         | Kansas River          | Ellsworth, Kans.   | 5,000  |
| Feb. 2, 1881 | Chapman, Kans.       | Chapman's Creek        | Smoky Hill River      | Ellsworth, Kans.   | 2,500  |

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.           | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—           | Where finally hatched. | Estimated number of fish. |
|------------------|---------------|----------------------------------------|-----------------------------------|-------------------------|------------------------|---------------------------|
| Kansas—Continued | Feb. 2, 1881  | Solomon City, Kans.                    | Solomon River.                    | Smoky Hill River        | Ellsworth, Kans.       | 3,000                     |
|                  | Feb. 2, 1881  | Salina, Kans.                          | Saline River                      | Smoky Hill River        | Ellsworth, Kans.       | 3,000                     |
|                  | Feb. 2, 1881  | Ellsworth, Kans.                       | Smoky Hill River                  | Kansas River.           | Ellsworth, Kans.       | 3,000                     |
|                  | Feb. 2, 1881  | Hays City, Kans.                       | Big Creek                         | Smoky Hill River        | Ellsworth, Kans.       | 5,000                     |
|                  | Feb. 2, 1881  | Ellis, Kans.                           | Big Creek                         | Smoky Hill River        | Ellsworth, Kans.       | 3,000                     |
|                  | Feb. 2, 1881  | Fort Harker, Kans.                     | Spring Creek                      | Smoky Hill River        | Ellsworth, Kans.       | 3,000                     |
| Kentucky         | Jan. 6, 1876  | Lexington, Ky.                         | Kentucky River                    | Ohio River              | Northville, Mich.      | 25,000                    |
|                  | Nov. 27, 1876 | Jefferson County, Ky.                  | Floyd's Fork                      | Salt River              | Louisville, Ky.        | 1,500                     |
|                  | Dec. 7, 1876  | Shelby County, Ky.                     | Clear Creek                       | Salt River              | Louisville, Ky.        | 700                       |
|                  | Dec. 7, 1876  | Shelby County, Ky.                     | Mulberry Creek                    | Salt River              | Louisville, Ky.        | 700                       |
|                  | Dec. 7, 1876  | Shelby County, Ky.                     | Gist Creek                        | Salt River              | Louisville, Ky.        | 600                       |
|                  | Dec. 14, 1876 | Hardin County, Ky.                     | Middle Creek                      | Nolin Creek             | Louisville, Ky.        | 2,000                     |
|                  | Dec. 14, 1876 | Hart County, Ky.                       | Dampartner's Creek                | Green River             | Louisville, Ky.        | 1,000                     |
|                  | Dec. 20, 1876 | Adair County, Ky.                      | Russell Creek                     | Green River             | Louisville, Ky.        | 1,000                     |
|                  | Dec. 20, 1876 | Boyle County, Ky.                      | Dick's River                      | Kentucky River          | Louisville, Ky.        | 1,000                     |
|                  | Dec. 20, 1876 | Garrard County, Ky.                    | White Oak Creek                   | Dick's River            | Louisville, Ky.        | 1,000                     |
|                  | Dec. 20, 1876 | Madison County, Ky.                    | Silver Creek                      | Kentucky River          | Louisville, Ky.        | 500                       |
|                  | Dec. 20, 1876 | Madison County, Ky.                    | Otter Creek                       | Kentucky River          | Louisville, Ky.        | 500                       |
|                  | Dec. 20, 1876 | Lincoln County, Ky.                    | Hanging Fork                      | Dick's River            | Louisville, Ky.        | 1,000                     |
|                  | Dec. 20, 1876 | Cass County, Ky.                       | Green River                       | Ohio River              | Louisville, Ky.        | 1,000                     |
|                  | Dec. 20, 1876 | Lincoln County, Ky.                    | Dick's River                      | Kentucky River          | Louisville, Ky.        | 1,000                     |
|                  | Dec. 20, 1876 | Meigs County, Ky.                      | Salt River                        | Ohio River              | Louisville, Ky.        | 500                       |
|                  | Dec. 20, 1876 | Meigs County, Ky.                      | Chaplin River                     | Ohio River              | Louisville, Ky.        | 500                       |
|                  | Dec. 27, 1876 | Woodford County, Ky.                   | Dunlap's Branch                   | Kentucky River          | Louisville, Ky.        | 1,000                     |
|                  | Dec. 27, 1876 | Henry County, Ky.                      | East and West Forks               | Little Kentucky River   | Louisville, Ky.        | 500                       |
|                  | Dec. 27, 1876 | Henry County, Ky.                      | North and East Forks              | Floyd's Fork            | Louisville, Ky.        | 500                       |
|                  | Dec. 27, 1876 | Clark County, Ky.                      | Lalbrograd Creek                  | Red River               | Louisville, Ky.        | 200                       |
|                  | Dec. 27, 1876 | Clark County, Ky.                      | Howard's Upper Creek              | Kentucky River          | Louisville, Ky.        | 200                       |
|                  | Dec. 27, 1876 | Clark County, Ky.                      | Howard's Lower Creek              | Kentucky River          | Louisville, Ky.        | 200                       |
|                  | Dec. 27, 1876 | Clark County, Ky.                      | Stoner Creek                      | Licking River           | Louisville, Ky.        | 200                       |
|                  | Dec. 27, 1876 | Clark County, Ky.                      | Strode's Creek                    | Stoner Creek            | Louisville, Ky.        | 200                       |
|                  | Dec. 27, 1876 | Scott County, Ky.                      | Big Spring Branch                 | North Elkhorn River     | Louisville, Ky.        | 200                       |
|                  | Dec. 27, 1876 | Scott County, Ky.                      | Lane's Run                        | North Elkhorn River     | Louisville, Ky.        | 100                       |
|                  | Dec. 27, 1876 | Scott County, Ky.                      | Cane Run                          | North Elkhorn River     | Louisville, Ky.        | 100                       |
|                  | Dec. 27, 1876 | Scott County, Ky.                      | McConnell's Run                   | North Elkhorn River     | Louisville, Ky.        | 100                       |
|                  | Dec. 27, 1876 | Scott County, Ky.                      | Thomas Spring Branch              | North Elkhorn River     | Louisville, Ky.        | 200                       |
|                  | Dec. 27, 1876 | Scott County, Ky.                      | Saunders's Spring Branch          | North Elkhorn River     | Louisville, Ky.        | 200                       |
|                  | Dec. 27, 1876 | Marion County, Ky.                     | North and East Fork               | Rolling Fork            | Louisville, Ky.        | 1,000                     |
|                  | Jan. 2, 1877  | Taylor County, Ky.                     | Pittman Creek                     | Green River             | Louisville, Ky.        | 1,000                     |
|                  | Jan. 2, 1877  | Nelson County, Ky.                     | Rolling Fork                      | Salt River              | Louisville, Ky.        | 1,000                     |
|                  | Jan. 10, 1877 | Lanet County, Ky.                      | White Oak Branch                  | Little Rockcastle River | Louisville, Ky.        | 2,000                     |
|                  | Jan. 10, 1877 | Rockcastle County, Ky.                 | Ronald Stone Creek                | Rockcastle River        | Louisville, Ky.        | 2,000                     |
|                  | Jan. 10, 1877 | Rockcastle County, Ky.                 | Harlin Durham's Branch            | Rockcastle River        | Louisville, Ky.        | 2,000                     |
|                  | Jan. 28, 1877 | Green County, Ky.                      | Booker's Branch                   | Green River             | Louisville, Ky.        | 500                       |

| Kentucky—Cont'd. |                        |                       |                    | [43] PRODUCTION AND DISTRIBUTION OF YOUNG FISH. |        |  |  |
|------------------|------------------------|-----------------------|--------------------|-------------------------------------------------|--------|--|--|
| Jan. 28, 1877    | Green County, Ky.      | Cave Spring Branch    | Green River        | Louisville, Ky.                                 | 500    |  |  |
| Feb. 1, 1877     | Fulton County, Ky.     | Small streams         | Green River        | Louisville, Ky.                                 | 2,000  |  |  |
| Feb. 1, 1877     | Caldwell County, Ky.   | Eddy Creek            | Cumberland River   | Louisville, Ky.                                 | 500    |  |  |
| Feb. 1, 1877     | Trigg County, Ky.      | Little River          | Cumberland River   | Louisville, Ky.                                 | 500    |  |  |
| Feb. 1, 1877     | Crittenden County, Ky. | Hurricane Creek       | Ohio River         | Louisville, Ky.                                 | 500    |  |  |
| Feb. 3, 1877     | Bullitt County, Ky.    | Knob Creek            | Salt River         | Louisville, Ky.                                 | 1,000  |  |  |
| Feb. 7, 1877     | Montgomery County, Ky. | Spencer Creek         | Licking River      | Louisville, Ky.                                 | 1,000  |  |  |
| Feb. 7, 1877     | Montgomery County, Ky. | Big Slate Creek       | Licking River      | Louisville, Ky.                                 | 2,000  |  |  |
| Feb. 7, 1877     | Montgomery County, Ky. | Little Hinkston Creek | Licking River      | Louisville, Ky.                                 | 1,000  |  |  |
| Feb. 7, 1877     | Woodford County, Ky.   | South Elkhorn         | Kentucky River     | Louisville, Ky.                                 | 1,000  |  |  |
| Feb. 7, 1877     | Franklin County, Ky.   | Kentucky River        | Ohio River         | Louisville, Ky.                                 | 200    |  |  |
| Feb. 10, 1877    | Jefferson County, Ky.  | Lunatic Asylum Pond   |                    | Louisville, Ky.                                 | 25     |  |  |
| Feb. 13, 1877    | Warren County, Ky.     | Barren River          | Green River        | Louisville, Ky.                                 | 8,000  |  |  |
| Nov. 30, 1877    | Gallatin County, Ky.   | Eagle Creek           | Kentucky River     | Louisville, Ky.                                 | 5,000  |  |  |
| Dec. 14, 1877    | Meade County, Ky.      | Doe Run               | Ohio River         | Louisville, Ky.                                 | 5,000  |  |  |
| Dec. 21, 1877    | Hardin County, Ky.     | Rough Creek           | Green River        | Louisville, Ky.                                 | 5,000  |  |  |
| Dec. 21, 1877    | Hardin County, Ky.     | Nolin Creek           | Green River        | Louisville, Ky.                                 | 5,000  |  |  |
| Dec. 29, 1877    | Hopkins County, Ky.    | Drake's Creek         | Green River        | Louisville, Ky.                                 | 17,500 |  |  |
| Jan. 3, 1878     | Warren County, Ky.     | Jasper River          | Green River        | Louisville, Ky.                                 | 2,000  |  |  |
| Jan. 3, 1878     | Warren County, Ky.     | Barren River          | Green River        | Louisville, Ky.                                 | 12,000 |  |  |
| Jan. 12, 1878    | Woodford County, Ky.   | Pond                  | Kentucky River     | Louisville, Ky.                                 | 500    |  |  |
| Jan. 12, 1878    | Woodford County, Ky.   | Pond                  | Kentucky River     | Louisville, Ky.                                 | 1,500  |  |  |
| Jan. 12, 1878    | Bourbon County, Ky.    | Elmwood Creek         | Ohio River         | Louisville, Ky.                                 | 2,000  |  |  |
| Jan. 12, 1878    | Jessamine County, Ky.  | Hickman Creek         | Kentucky River     | Louisville, Ky.                                 | 2,000  |  |  |
| Jan. 12, 1878    | Jessamine County, Ky.  | Jessamine Creek       | Kentucky River     | Louisville, Ky.                                 | 2,000  |  |  |
| Jan. 12, 1878    | Franklin County, Ky.   | Pond                  | Kentucky River     | Louisville, Ky.                                 | 200    |  |  |
| Jan. 12, 1878    | Franklin County, Ky.   | Pond                  | Kentucky River     | Louisville, Ky.                                 | 800    |  |  |
| Jan. 24, 1878    | Christian County, Ky.  | Little River          | Cumberland River   | Louisville, Ky.                                 | 4,000  |  |  |
| Feb. 1, 1878     | Caldwell County, Ky.   | Eddy Creek            | Cumberland River   | Louisville, Ky.                                 | 3,000  |  |  |
| Feb. 13, 1878    | Carter County, Ky.     | Tygart River          | Big Sandy River    | Louisville, Ky.                                 | 2,000  |  |  |
| Feb. 13, 1878    | Carter County, Ky.     | Little Sandy River    | Ohio River         | Louisville, Ky.                                 | 2,000  |  |  |
| Jan. 1, 1878     |                        | Tangipahoa River      | Lake Pontchartrain | Pokagon, Mich.                                  | 15,000 |  |  |
| Dec. 22, 1876    | Ticklaw, La.           | Notabang River        | Lake Maurepas      | Northville, Mich.                               | 14,200 |  |  |
| Dec. 22, 1876    | Amite City, La.        | Tangipahoa River      | Lake Pontchartrain | Northville, Mich.                               | 14,200 |  |  |
| Feb. —, 1874     | Bucksport, Me.         | Craig's Pond          | Penobscot River    | Bucksport, Me.                                  | 4,000  |  |  |
| Feb. —, 1874     | Bucksport, Me.         | Hatching-House Pond   | Penobscot River    | Bucksport, Me.                                  | 100    |  |  |
| Spring, 1875     | Bucksport, Me.         | Craig's Pond          | Penobscot River    | Bucksport, Me.                                  | 30,000 |  |  |
| Feb. 6, 1879     | Keen's Lake, Me.       | Keen's Lake Stream    | Saint Croix River  | Pembroke, Me.                                   | 9,700  |  |  |
| Feb. 13, 1879    | Pembroke, Me.          | Pennaquan River       | Bay of Fund.       | Pembroke, Me.                                   | 3,000  |  |  |
| Nov. 25, 1874    | Hagerstown, Md.        | Antietam Creek        | Potomac River      | Green Springs, Md.                              | 3,000  |  |  |
| Nov. 25, 1874    | Wakefield, Md.         | Pipe Creek            | Monocacy River     | Green Springs, Md.                              | 1,500  |  |  |
| Nov. 25, 1874    | Union Bridge, Md.      | Pipe Creek            | Monocacy River     | Green Springs, Md.                              | 1,000  |  |  |
| Nov. 25, 1874    | Slabtown, Md.          | Owen's Creek          | Monocacy River     | Green Springs, Md.                              | 1,500  |  |  |
| Nov. 30, 1874    | Freeland, Md.          | Gunpowder River       | Gunpowder River    | Green Springs, Md.                              | 10,000 |  |  |
| Nov. 30, 1874    | Tank, Md.              | North Patapsco River  | Patapsco River     | Green Springs, Md.                              | 6,000  |  |  |
| Dec. 1, 1874     |                        |                       | Chesapeake Bay     | Green Springs, Md.                              | 6,000  |  |  |
| Dec. 2, 1874     | Mechanicstown, Md.     | Owen's Creek          | Monocacy River     | Green Springs, Md.                              | 6,000  |  |  |
| Dec. 2, 1874     | Hagerstown, Md.        | Conococheague River   | Potomac River      | Green Springs, Md.                              | 10,000 |  |  |
| Dec. 2, 1874     | Tannery, Md.           | Everts Creek          | Potomac River      | Green Springs, Md.                              | 5,000  |  |  |
| Dec. 2, 1874     | Jennings Run, Md.      | Willis Creek          | Potomac River      | Green Springs, Md.                              | 5,000  |  |  |
| Dec. 3, 1874     | Franklinville, Md.     | Savage Creek          | Potomac River      | Green Springs, Md.                              | 15,000 |  |  |
| Dec. 5, 1874     | Liberty Grove, Md.     | Octorara Creek        | Snaquehanna River  | Green Springs, Md.                              | 10,000 |  |  |

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.           | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—     | Where finally hatched. | Estimated number of fish. |
|------------------|---------------|----------------------------------------|-----------------------------------|-------------------|------------------------|---------------------------|
| Maryland—Cont'd. | Dec. 5, 1874  | Monrovia, Md.                          | Bush Creek                        | Monocacy River    | Green Springs, Md.     | 4,000                     |
|                  | Dec. 6, 1874  | Hood's Mills, Md.                      | Patapsco River                    | Chesapeake Bay    | Green Springs, Md.     | 6,000                     |
|                  | Dec. 9, 1874  | Howard County, Md.                     | Patuxent River                    | Chesapeake Bay    | Green Springs, Md.     | 8,000                     |
|                  | Dec. 9, 1874  | Fort Pendleton, Md.                    | North Branch                      | Potomac River     | Green Springs, Md.     | 15,000                    |
|                  | Dec. 15, 1874 | Savage, Md.                            | Patuxent River                    | Chesapeake Bay    | Green Springs, Md.     | 10,000                    |
|                  | Dec. 15, 1874 | Maryland Line, Md.                     | Deer Creek                        | Susquehanna River | Green Springs, Md.     | 6,000                     |
|                  | Dec. 15, 1875 | Savage, Md.                            | Little Patuxent River             | Patuxent River    | Baltimore, Md.         | 7,000                     |
|                  | Dec. 15, 1875 | Patuxent, Md.                          | Little Patuxent River             | Patuxent River    | Baltimore, Md.         | 7,000                     |
|                  | Dec. 15, 1875 | Laurel, Md.                            | Patuxent River                    | Chesapeake Bay    | Baltimore, Md.         | 14,000                    |
|                  | Dec. 21, 1875 | Point of Rocks, Md.                    | Potomac River                     | Chesapeake Bay    | Baltimore, Md.         | 45,000                    |
|                  | Jan. 3, 1876  | Savage, Md.                            | Little Patuxent River             | Patuxent River    | Baltimore, Md.         | 14,500                    |
|                  | Jan. 5, 1876  | Tank, Md.                              | North Patapsco River              | Patapsco River    | Baltimore, Md.         | 10,000                    |
|                  | Jan. 5, 1876  | Slabtown, Md.                          | Owen's Creek                      | Monocacy River    | Baltimore, Md.         | 13,000                    |
|                  | Jan. 5, 1876  | Baltimore, Md.                         | Baltimore Water Works             | Patapsco River    | Baltimore, Md.         | 5,000                     |
|                  | Jan. 7, 1876  | Glencoe, Md.                           | Gunpowder River                   | Chesapeake Bay    | Baltimore, Md.         | 18,000                    |
|                  | Jan. 14, 1876 | Phoenix, Md.                           | Gunpowder River                   | Chesapeake Bay    | Baltimore, Md.         | 30,000                    |
|                  | Jan. 24, 1876 | Baltimore, Md.                         | Baltimore Water Works             | Patapsco River    | Baltimore, Md.         | 500                       |
|                  | Jan. 26, 1876 | Werverton, Md.                         | Potomac River                     | Chesapeake Bay    | Baltimore, Md.         | 5,000                     |
|                  | Feb. 10, 1876 | Cedar Point, Md.                       | Patuxent River                    | Chesapeake Bay    | Baltimore, Md.         | 164                       |
|                  | Mar. 16, 1876 | Aberdeen, Md.                          | Tobacco Run                       | Deer Creek        | Baltimore, Md.         | 15,000                    |
|                  | Mar. 16, 1876 | Aberdeen, Md.                          | Archer's Run                      | Deer Creek        | Baltimore, Md.         | 500                       |
|                  | Mar. 16, 1866 | Aberdeen, Md.                          | Green Spring Run                  | Deer Creek        | Baltimore, Md.         | 500                       |
|                  | Mar. 19, 1876 | Savage, Md.                            | Little Patuxent River             | Patuxent River    | Baltimore, Md.         | 6,000                     |
|                  | Mar. 21, 1876 | Savage, Md.                            | Little Patuxent River             | Patuxent River    | Baltimore, Md.         | 13,000                    |
|                  | Mar. 23, 1876 | Ugasterstown, Md.                      | Antietam Creek                    | Potomac River     | Baltimore, Md.         | 4,000                     |
|                  | Mar. 23, 1876 | Tank, Md.                              | North Patapsco River              | Patapsco River    | Baltimore, Md.         | 2,000                     |
|                  | Mar. 23, 1876 | Slabtown, Md.                          | Owen's Creek                      | Monocacy River    | Baltimore, Md.         | 3,000                     |
|                  | Mar. 23, 1876 | Double Pipe Creek, Md.                 | Double Pipe Creek                 | Monocacy River    | Baltimore, Md.         | 2,000                     |
|                  | Mar. 25, 1876 | Laurel, Md.                            | Patuxent River                    | Chesapeake Bay    | Baltimore, Md.         | 6,000                     |
|                  | Mar. 29, 1876 | Fort Pendleton, Md.                    | North Branch                      | Potomac River     | Baltimore, Md.         | 12,000                    |
|                  | Apr. 3, 1876  | Monkton, Md.                           | Little Gunpowder River            | Gunpowder River   | Baltimore, Md.         | 7,000                     |
|                  | Apr. 6, 1876  | Ellicott City, Md.                     | North Branch                      | Patuxent River    | Baltimore, Md.         | 3,200                     |
|                  | Apr. 7, 1876  | Magnolia, Md.                          | Winter's Run                      | Bush River        | Baltimore, Md.         | 1,000                     |
|                  | Apr. 14, 1876 | Westminster, Md.                       | Pipe Creek                        | Monocacy River    | Baltimore, Md.         | 2,000                     |
|                  | Apr. 17, 1876 | Rowlandville, Md.                      | Octorora Creek                    | Susquehanna River | Baltimore, Md.         | 1,900                     |
|                  | Apr. 17, 1876 | Williamsport, Md.                      | Conococheague River               | Potomac River     | Baltimore, Md.         | 2,000                     |
|                  | Nov. 6, 1876  | Parkton, Md.                           | Gunpowder River                   | Chesapeake Bay    | Baltimore, Md.         | 30,000                    |
|                  | Nov. 8, 1876  | Tank, Md.                              | North Patapsco River              | Patapsco River    | Baltimore, Md.         | 10,000                    |
|                  | Nov. 8, 1876  | Wakefield, Md.                         | Pipe Creek                        | Monocacy River    | Baltimore, Md.         | 15,000                    |
|                  | Nov. 8, 1876  | Mechanicstown, Md.                     | Owen's Creek                      | Potomac River     | Baltimore, Md.         | 25,000                    |
|                  | Nov. 10, 1876 | Pennsylvania Line, Md.                 | Deer Creek                        | Susquehanna River | Baltimore, Md.         | 30,000                    |
|                  | Nov. 14, 1876 | Savage, Md.                            | Patuxent River                    | Chesapeake Bay    | Baltimore, Md.         | 43,000                    |
|                  | Nov. 14, 1876 | Skylesville, Md.                       | Patapsco River                    | Chesapeake Bay    | Baltimore, Md.         | 43,000                    |
|                  | Nov. 21, 1876 | Monkton, Md.                           | Little Gunpowder River            | Gunpowder River   | Baltimore, Md.         | 33,000                    |

|               |                                     |                        |                   |               |         |
|---------------|-------------------------------------|------------------------|-------------------|---------------|---------|
| Nov. 21, 1878 | Mount Airy, Md.                     | North Patuxent River   | Patuxent River    | Baltimore, Md | 48, 400 |
| Nov. 22, 1878 | Tank, Md.                           | North Patapsco River   | Patapsco River    | Baltimore, Md | 10, 400 |
| Nov. 22, 1878 | Ragerstown, Md.                     | Com-cocheague River    | Potomac River     | Baltimore, Md | 31, 240 |
| Nov. 22, 1878 | Chewsville, Md.                     | Antietam Creek         | Potomac River     | Baltimore, Md | 20, 400 |
| Nov. 24, 1878 | Bohemia Bridge, Md.                 | Bohemia Creek          | Elk River         | Baltimore, Md | 12, 800 |
| Nov. 24, 1878 | Frederick, Md.                      | Sassaparilla River     | Chesapeake Bay    | Baltimore, Md | 22, 640 |
| Nov. 27, 1878 | Fort Pendleton, Md                  | North Branch           | Potomac River     | Baltimore, Md | 73, 780 |
| Dec. 1, 1878  | Laurel, Md.                         | Patuxent River         | Chesapeake Bay    | Baltimore, Md | 24, 000 |
| Dec. 1, 1878  | Cockeysville, Md.                   | Western River          | Gunpowder River   | Baltimore, Md | 24, 000 |
| Dec. 6, 1878  | Federalsburgh, Md.                  | Marsh Hope Creek       | Nanticoke River   | Baltimore, Md | 9, 600  |
| Dec. 6, 1878  | Greensborough, Md.                  | Choptank River         | Chesapeake Bay    | Baltimore, Md | 10, 400 |
| Dec. 6, 1878  | Hillsborough, Md.                   | Tuckahoe Creek         | Choptank River    | Baltimore, Md | 9, 600  |
| Dec. 8, 1878  | Crisfield, Md.                      | Crisfield Harbor       | Tangier Sound     | Baltimore, Md | 8, 000  |
| Dec. 8, 1878  | Newtown, Md.                        | Pocomoke River         | Pocomoke Sound    | Baltimore, Md | 24, 000 |
| Dec. 8, 1878  | Point of Rocks, Md.                 | Potomac River          | Chesapeake Bay    | Baltimore, Md | 58, 800 |
| Dec. 11, 1878 | Elkton, Md.                         | Elk River              | Chesapeake Bay    | Baltimore, Md | 20, 000 |
| Dec. 11, 1878 | Millington, Md.                     | Chester River          | Chesapeake Bay    | Baltimore, Md | 20, 000 |
| Dec. 15, 1878 | Fort Pendleton, Md.                 | North Branch           | Potomac River     | Baltimore, Md | 73, 780 |
| Dec. 28, 1878 | Oakland, Md.                        | Youghiogheny River     | Monongahela River | Baltimore, Md | 9, 800  |
| Jan. 30, 1877 | Monkton, Md.                        | Gunpowder River        | Chesapeake Bay    | Baltimore, Md | 4, 000  |
| Jan. 30, 1877 | Monkton, Md.                        | Little Gunpowder River | Gunpowder River   | Baltimore, Md | 10, 000 |
| Mar. 19, 1877 | Harford County, Md.                 | Winter's Run           | Bush River        | Baltimore, Md | 800     |
| Apr. 11, 1877 | Harford County, Md.                 | Private pond           | Bush River        | Baltimore, Md | 50      |
| May 8, 1877   | Deer Park, Md.                      | Youghiogheny River     | Monongahela River | Baltimore, Md | 2, 000  |
| May 31, 1877  |                                     | Private ponds          |                   | Baltimore, Md | 150     |
| Nov. 19, 1877 | Fort Pendleton, Md.                 | Potomac River          | Chesapeake Bay    | Baltimore, Md | 29, 600 |
| Nov. 22, 1877 | Swanton, Md.                        | Savage River           | Potomac River     | Baltimore, Md | 12, 000 |
| Dec. 7, 1877  | Phoenix, Md.                        | Gunpowder River        | Chesapeake Bay    | Baltimore, Md | 20, 000 |
| Dec. 10, 1877 | Tank, Md.                           | Patuxent River         | Chesapeake Bay    | Baltimore, Md | 8, 000  |
| Mar. 4, 1878  | Werverton, Md.                      | Pond                   | Potomac River     | Baltimore, Md | 600     |
| Mar. 7, 1878  | Spencerville, Md.                   | Patuxent River         | Chesapeake Bay    | Baltimore, Md | 500     |
| Mar. 11, 1878 | Laurel, Md.                         | Patuxent River         | Chesapeake Bay    | Baltimore, Md | 10, 000 |
| Mar. 12, 1878 | Pariton, Md.                        | Gunpowder River        | Chesapeake Bay    | Baltimore, Md | 10, 000 |
| Mar. 16, 1878 | Hood's Mills, Md.                   | Patapsco River         | Chesapeake Bay    | Baltimore, Md | 10, 000 |
| Mar. 18, 1878 | Savage, Md.                         | Patuxent River         | Chesapeake Bay    | Baltimore, Md | 10, 000 |
| Mar. 21, 1878 | Werverton, Md.                      | Potomac River          | Chesapeake Bay    | Baltimore, Md | 12, 000 |
| Mar. 22, 1878 |                                     | Pond                   | Bear Creek        | Baltimore, Md | 1, 000  |
| Mar. 25, 1878 | Laurel, Md.                         | Patuxent River         | Chesapeake Bay    | Baltimore, Md | 8, 000  |
| Apr. 1, 1878  | Tank, Md.                           | Patapsco River         | Chesapeake Bay    | Baltimore, Md | 5, 000  |
| Apr. 1, 1878  | Double Pine Creek, Md.              | Patapsco River         | Chesapeake Bay    | Baltimore, Md | 7, 000  |
| Apr. 1, 1878  | Hood's Mills, Md.                   | Patapsco River         | Chesapeake Bay    | Baltimore, Md | 6, 000  |
| Apr. 3, 1878  | Werverton, Md.                      | Potomac River          | Chesapeake Bay    | Baltimore, Md | 35, 000 |
| Nov. 6, 1878  | Cockeysville, Md.                   | Gunpowder River        | Chesapeake Bay    | Baltimore, Md | 28, 000 |
| Nov. 7, 1878  | Laurel, Md.                         | Patuxent River         | Chesapeake Bay    | Baltimore, Md | 24, 000 |
| Nov. 7, 1878  | Savage, Md.                         | Little Patuxent River  | Patuxent River    | Baltimore, Md | 18, 000 |
| Nov. 8, 1878  | Scintman's Mills, Cecil County, Md. | Big Elk River          | Chesapeake Bay    | Baltimore, Md | 7, 500  |
| Nov. 8, 1878  | Rock Church, Cecil County, Md.      | Little Elk River       | Chesapeake Bay    | Baltimore, Md | 7, 600  |
| Nov. 9, 1878  | North East, Md.                     | North East Creek       | North East River  | Baltimore, Md | 15, 000 |
| Nov. 9, 1878  | Tank, Md.                           | Patapsco River         | Chesapeake Bay    | Baltimore, Md | 10, 000 |
| Nov. 9, 1878  | New Windsor, Md.                    | Pipe Creek             | Monocacy River    | Baltimore, Md | 12, 000 |

D.—TABLE II.—Distribution of California salmon from 1873 to 1890, inclusive—Continued.

| State.           | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—      | Where finally hatched. | Estimated number of fish. |
|------------------|---------------|----------------------------------------|-----------------------------------|--------------------|------------------------|---------------------------|
| Maryland—Cont'd. | Nov. 9, 1878  | Mechanicstown, Md                      | Owen's Creek                      | Patapsco River     | Baltimore, Md          | 13, 000                   |
|                  | Nov. 11, 1878 | Laurel, Md                             | Patuxent River                    | Chesapeake Bay     | Baltimore, Md          | 25, 000                   |
|                  | Nov. 11, 1878 | Savage, Md                             | Little Patuxent River             | Patuxent River     | Baltimore, Md          | 12, 500                   |
|                  | Nov. 12, 1878 | Millington, Md                         | Chester River                     | Chesapeake Bay     | Baltimore, Md          | 15, 000                   |
|                  | Nov. 13, 1878 | Hillsborough, Md                       | Tuckahoe Creek                    | Choptank River     | Baltimore, Md          | 5, 500                    |
|                  | Nov. 13, 1878 | Sykesville, Md                         | Patapsco Creek                    | Chesapeake Bay     | Baltimore, Md          | 15, 000                   |
|                  | Nov. 27, 1878 | Monkton, Md                            | Gunpowder River                   | Chesapeake Bay     | Baltimore, Md          | 20, 000                   |
|                  | Nov. 28, 1878 | Monkton, Md                            | Gunpowder River                   | Chesapeake Bay     | Baltimore, Md          | 20, 000                   |
|                  | Nov. 29, 1878 | Fort Pendleton, Md                     | North Branch                      | Potomac River      | Baltimore, Md          | 20, 000                   |
|                  | Nov. 30, 1878 | Fort Pendleton, Md                     | North Branch                      | Potomac River      | Baltimore, Md          | 20, 000                   |
|                  | Dec. 1, 1878  | Fort Pendleton, Md                     | North Branch                      | Potomac River      | Baltimore, Md          | 24, 500                   |
|                  | Dec. 2, 1878  | Swanton, Md                            | North Branch                      | Potomac River      | Baltimore, Md          | 20, 000                   |
|                  | Dec. 4, 1878  | Henderson, Md                          | Choptank River                    | Chesapeake Bay     | Baltimore, Md          | 20, 000                   |
|                  | Dec. 6, 1878  | Boyd's, Md                             | Ten Mile Creek                    | Baltimore, Md      | 6, 000                 |                           |
|                  | Dec. 6, 1878  | Boyd's, Md                             | Loneam Creek                      | Potomac River      | Baltimore, Md          | 8, 000                    |
|                  | Dec. 6, 1878  | Boyd's, Md                             | Brick Lodge Creek                 | Baltimore, Md      | 6, 000                 |                           |
|                  | Dec. 7, 1878  |                                        | Monocacy River                    | Chesapeake Bay     | Baltimore, Md          | 20, 000                   |
|                  | Dec. 9, 1878  | Hillsborough, Md                       | Nanticoke River                   | Chesapeake Bay     | Baltimore, Md          | 10, 000                   |
|                  | Dec. 12, 1878 | Mitchell's Bridge, Md                  | Pocomoke River                    | Chesapeake Bay     | Baltimore, Md          | 12, 000                   |
|                  | Dec. 12, 1878 | Above Snow Hill, Md                    | Pocomoke River                    | Chesapeake Bay     | Baltimore, Md          | 8, 000                    |
|                  | Dec. 12, 1878 | Towson, Md                             | Gunpowder River                   | Chesapeake Bay     | Baltimore, Md          | 20, 000                   |
|                  | Dec. 13, 1878 | Mount Airy, Md                         | Patuxent River                    | Chesapeake Bay     | Baltimore, Md          | 20, 000                   |
|                  | Dec. 14, 1878 | Herring Run, Md                        | Back River                        | Chesapeake Bay     | Baltimore, Md          | 10, 000                   |
|                  | Dec. 17, 1878 | Millington, Md                         | Chester River                     | Chesapeake Bay     | Baltimore, Md          | 1, 200                    |
|                  | Dec. 17, 1878 | Middletown, Md                         | Great Gunpowder River             | Chesapeake Bay     | Baltimore, Md          | 1, 000                    |
|                  | Dec. 19, 1878 | Liberty Grove, Md                      | Octorara Creek                    | Susquehanna River  | Baltimore, Md          | 10, 000                   |
|                  | Dec. 21, 1878 | Parkton, Md                            | Deer Creek                        | Susquehanna River  | Baltimore, Md          | 20, 000                   |
|                  | Feb. 1, 1879  | Wilna, Md                              | Winter's Run                      | Back River         | Baltimore, Md          | 4, 000                    |
|                  | Feb. 1, 1879  | Savage, Md                             | Patuxent River                    | Chesapeake Bay     | Baltimore, Md          | 10, 000                   |
|                  | Feb. 13, 1879 | Millington, Md                         | Chester River                     | Chesapeake Bay     | Baltimore, Md          | 12, 000                   |
|                  | Feb. 21, 1879 | Henderson, Md                          | Choptank River                    | Chesapeake Bay     | Baltimore, Md          | 8, 000                    |
|                  | Feb. 24, 1879 | Henderson, Md                          | Choptank River                    | Chesapeake Bay     | Baltimore, Md          | 7, 000                    |
|                  | Feb. 26, 1879 | Cambridge, Md                          | Blackwater River                  | Tangier Sound      | Baltimore, Md          | 3, 000                    |
|                  | Feb. 26, 1879 | Dorchester County, Md                  | Chicacoomico River                | Transquaking River | Baltimore, Md          | 3, 000                    |
|                  | Feb. 26, 1879 | Airey's, Md                            | Transquaking River                | Tangier Sound      | Baltimore, Md          | 3, 000                    |
|                  | Feb. 28, 1879 | Hood's Mills, Md                       | Patapsco River                    | Chesapeake Bay     | Baltimore, Md          | 12, 000                   |
|                  | June 6, 1879  | Airey's, Md                            | Patuxent River                    | Chesapeake Bay     | Baltimore, Md          | 238                       |
|                  | Oct. 30, 1879 | Fort Pendleton, Md                     | Potomac River                     | Baltimore, Md      | Baltimore, Md          | 15, 000                   |
|                  | Nov. 26, 1879 |                                        | North Branch                      | Potomac River      | Baltimore, Md          | 187, 276                  |
|                  | Nov. 26, 1879 | Parkton, Md                            | Big Gunpowder River               | Chesapeake Bay     | Baltimore, Md          | 15, 000                   |
|                  | Nov. 29, 1879 | Parkton, Md                            | Deer Creek                        | Susquehanna River  | Baltimore, Md          | 15, 000                   |
|                  | Dec. 4, 1879  | Laurel, Md                             | Patuxent River                    | Chesapeake Bay     | Baltimore, Md          | 20, 000                   |
|                  | Dec. 4, 1879  | Savage, Md                             | Middle Patuxent River             | Patuxent River     | Baltimore, Md          | 20, 000                   |
|                  | Dec. 5, 1879  | Federalsburgh, Md                      | Nanticoke River                   | Chesapeake Bay     | Baltimore, Md          | 5, 000                    |

|               |                        |                       |                    |                   |        |
|---------------|------------------------|-----------------------|--------------------|-------------------|--------|
| Dec. 5, 1879  | Linkwood, Md.          | Tranquaking River     | Tangier Sound      | Baltimore, Md.    | 1,000  |
| Dec. 5, 1879  | Flemings Mills, Md.    | Chicacoico River      | Transquaking River | Baltimore, Md.    | 1,500  |
| Dec. 5, 1879  | Barn's Farm, Md.       | Blackwater River      | Tangier Sound      | Baltimore, Md.    | 1,500  |
| Dec. 9, 1879  | De Graw's, Md.         | Octorora River        | Chesapeake Bay     | Baltimore, Md.    | 6,000  |
| Dec. 9, 1879  | Hereford, Md.          | East River            | Chesapeake Bay     | Baltimore, Md.    | 5,000  |
| Dec. 10, 1879 | Saint Marks, Md.       | Big Elk River         | Chesapeake Bay     | Baltimore, Md.    | 6,000  |
| Dec. 10, 1879 | Millington, Md.        | Andover Branch        | Chester River      | Baltimore, Md.    | 5,000  |
| Dec. 11, 1879 | Hood's Mills, Md.      | Patapsco River        | Chesapeake Bay     | Baltimore, Md.    | 10,000 |
| Dec. 11, 1879 | Mount Airy, Md.        | Little Patuxent River | Chesapeake Bay     | Baltimore, Md.    | 10,000 |
| Dec. 12, 1879 | Salisbury, Md.         | Humphrey's Lake       | Wicomico Creek     | Baltimore, Md.    | 1,000  |
| Dec. 12, 1879 | Salisbury, Md.         | Wicomico Creek        | Wicomico River     | Baltimore, Md.    | 4,000  |
| Dec. 12, 1879 | Wholesville, Md.       | Pocomoke River        | Chesapeake Bay     | Baltimore, Md.    | 2,000  |
| Dec. 12, 1879 | Berlin, Md.            | Trappe River          | Choptank River     | Baltimore, Md.    | 2,000  |
| Dec. 12, 1879 | Berlin, Md.            | Herring Creek         | Atlantic Ocean     | Baltimore, Md.    | 2,000  |
| Dec. 13, 1879 | Hagerstown, Md.        | Antietam River        | Potomac River      | Baltimore, Md.    | 10,000 |
| Dec. 13, 1879 | Hagerstown, Md.        | Conococheague River   | Potomac River      | Baltimore, Md.    | 20,000 |
| Dec. 15, 1879 | Middleburgh, Md.       | Big Pipe Creek        | Monocacy River     | Baltimore, Md.    | 10,000 |
| Dec. 15, 1879 | Mechanicstown, Md.     | Owen's Creek          | Monocacy River     | Baltimore, Md.    | 10,000 |
| Dec. 15, 1879 | Tank, Md.              | North Patapsco River  | Patapsco River     | Baltimore, Md.    | 5,000  |
| Dec. 16, 1879 | Parkton, Md.           | Deer Creek            | Susquehanna River  | Baltimore, Md.    | 10,000 |
| Dec. 16, 1879 | Sandy Branch, Md.      | Sassafraz River       | Chesapeake Bay     | Baltimore, Md.    | 1,000  |
| Dec. 16, 1879 | Cecil County, Md.      | Bohemia River         | Elk River          | Baltimore, Md.    | 1,000  |
| Dec. 16, 1879 | Cartor's Bridge, Md.   | Great Choptank River  | Chesapeake Bay     | Baltimore, Md.    | 6,000  |
| Dec. 17, 1879 | Cockeysville, Md.      | Gunpowder River       | Chesapeake Bay     | Baltimore, Md.    | 10,000 |
| Dec. 18, 1879 | Laurel, Md.            | Patuxent River        | Chesapeake Bay     | Baltimore, Md.    | 10,000 |
| Dec. 18, 1879 | Savage, Md.            | Middle Patuxent River | Patuxent River     | Baltimore, Md.    | 10,000 |
| Dec. 23, 1879 | Towson, Md.            | Gunpowder River       | Chesapeake Bay     | Baltimore, Md.    | 10,000 |
| Mar. 9, 1880  | Sandy Spring, Md.      | Pond                  | Patuxent River     | Baltimore, Md.    | 1,000  |
| Mar. 25, 1880 | Duckertown, Md.        | Pond                  | Monocacy River     | Baltimore, Md.    | 800    |
| Nor. 12, 1880 | De Graw's, Md.         | Octorora River        | Susquehanna River  | Baltimore, Md.    | 12,000 |
| Nor. 13, 1880 |                        | North East Creek      | North East River   | Baltimore, Md.    | 6,000  |
| Nor. 13, 1880 | Scintman's Mill, Md.   | Big Elk River         | Chesapeake Bay     | Baltimore, Md.    | 6,000  |
| Nor. 15, 1880 | Millington, Md.        | Chester River         | Chesapeake Bay     | Baltimore, Md.    | 18,000 |
| Nor. 17, 1880 | Henderson, Md.         | Choptank River        | Chesapeake Bay     | Baltimore, Md.    | 18,000 |
| Nor. 19, 1880 | Salisbury, Md.         | Wicomico River        | Chesapeake Bay     | Baltimore, Md.    | 9,000  |
| Nor. 19, 1880 | Wholesville, Md.       | Pocomoke River        | Chesapeake Bay     | Baltimore, Md.    | 9,000  |
| Nor. 22, 1880 | Fort Pendleton, Md.    | Pocomoke River        | Potomac River      | Baltimore, Md.    | 72,256 |
| Nor. 22, 1880 | Salisbury, Md.         | Wicomico River        | Chesapeake Bay     | Baltimore, Md.    | 9,000  |
| Nor. 23, 1880 | Berlin, Md.            | Trappe River          | Synapuxet River    | Baltimore, Md.    | 9,000  |
| Nor. 26, 1880 | Fed-ralsburgh, Md.     | Nanticoke River       | Chesapeake Bay     | Baltimore, Md.    | 6,000  |
| Nor. 29, 1880 | Cecil County, Md.      | Bohemia River         | Elk River          | Baltimore, Md.    | 5,000  |
| Nor. 29, 1880 | Cecil County, Md.      | Sassafraz River       | Chesapeake Bay     | Baltimore, Md.    | 5,000  |
| Dec. 1, 1880  | Harris Dam, Md.        | Octorora River        | Susquehanna River  | Baltimore, Md.    | 16,500 |
| Dec. 1, 1880  | North East, Md.        | Sharon's Run          | Susquehanna River  | Baltimore, Md.    | 1,500  |
| Dec. 3, 1880  | Federalburg, Md.       | Nanticoke River       | Chesapeake Bay     | Baltimore, Md.    | 5,000  |
| Dec. 16, 1880 | Phoenix, Md.           | Gunpowder River       | Chesapeake Bay     | Baltimore, Md.    | 5,013  |
| Dec. 17, 1880 | Savage, Md.            | Patuxent River        | Chesapeake Bay     | Baltimore, Md.    | 5,014  |
| Fall of 1879  | Winchester, Mass.      | Mystic River          | Boston Bay         | Winchester, Mass. | 20,000 |
| Fall of 1879  |                        | Red Brook             |                    | Winchester, Mass. | 7,000  |
| Fall of 1874  | Winchester, Mass.      | Mystic River          | Boston Bay         | Winchester, Mass. | 7,000  |
| Spring, 1876  | Plymouth County, Mass. | North River           | Massachusetts Bay  | Winchester, Mass. | 25,000 |
| Fall of 1876  | Saugus, Mass.          | Saugus River          | Broad Sound        | Winchester, Mass. | 10,000 |

Massachusetts....

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.                       | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—           | Where finally hatched. | Estimated number of fish. |
|------------------------------|---------------|----------------------------------------|-----------------------------------|-------------------------|------------------------|---------------------------|
| Massachusetts—<br>Continued. | Fall of 1876  | Marshfield, Mass.....                  | North River.....                  | Massachusetts Bay.....  | Winchester, Mass.....  | 30,000                    |
|                              | Fall of 1876  | Lancaster, Mass.....                   | Nashua River.....                 | Merrimac River.....     | Winchester, Mass.....  | 50,000                    |
|                              | Dec. —, 1877  | Essex County, Mass.....                | Ipswich River.....                | Atlantic Ocean.....     | Winchester, Mass.....  | 7,000                     |
|                              | Dec. —, 1877  | Worcester County, Mass.....            | Nashua River.....                 | Merrimac River.....     | Winchester, Mass.....  | 30,000                    |
|                              | Dec. —, 1877  | Marshfield, Mass.....                  | North River.....                  | Massachusetts Bay.....  | Winchester, Mass.....  | 25,000                    |
|                              | Dec. —, 1877  | Saugus, Mass.....                      | Saugus River.....                 | Broad Sound.....        | Winchester, Mass.....  | 7,000                     |
|                              | Dec. —, 1877  | Bridgewater, Mass.....                 | Winetuxet River.....              | Taunton River.....      | Winchester, Mass.....  | 10,000                    |
|                              | Dec. 25, 1873 | Hillsdale County, Mich.....            | Butternut Creek.....              | Saint Joseph River..... | Jackson, Mich.....     | 6,000                     |
|                              | Dec. 25, 1873 | Hillsdale County, Mich.....            | Sand Creek.....                   | Saint Joseph River..... | Jackson, Mich.....     | 9,000                     |
|                              | Dec. 25, 1873 | Pokagon, Mich.....                     | State Hatchery Pond.....          | Saint Joseph River..... | Jackson, Mich.....     | 700                       |
| Michigan.....                | Dec. 27, 1873 | Kalamazoo County, Mich.....            | Gull Creek.....                   | Kalamazoo River.....    | Jackson, Mich.....     | 3,000                     |
|                              | Dec. 27, 1873 | Ross Township, Mich.....               | Lake.....                         | Kalamazoo River.....    | Jackson, Mich.....     | 200                       |
|                              | Dec. 29, 1873 | Jackson, Mich.....                     | East Branch.....                  | Kalamazoo River.....    | Jackson, Mich.....     | 15,000                    |
|                              | Dec. 30, 1873 | Jackson County, Mich.....              | Grand River.....                  | Grand River.....        | Jackson, Mich.....     | 12,000                    |
|                              | Jan. 1, 1874  | .....                                  | Sandstone Creek.....              | Grand River.....        | Jackson, Mich.....     | 8,000                     |
|                              | Jan. 2, 1874  | Grand Rapids, Mich.....                | Perkins and Hess Pond.....        | Grand River.....        | Jackson, Mich.....     | 100                       |
|                              | Jan. 2, 1874  | .....                                  | Sandstone Creek.....              | Grand River.....        | Jackson, Mich.....     | 8,000                     |
|                              | Jan. 3, 1874  | .....                                  | Sandstone Creek.....              | Grand River.....        | Jackson, Mich.....     | 8,000                     |
|                              | Jan. 3, 1874  | Grand Rapids, Mich.....                | Perkins and Hess Pond.....        | Grand River.....        | Jackson, Mich.....     | 100                       |
|                              | Jan. 6, 1874  | Jackson, Mich.....                     | Crouch's Creek.....               | Grand River.....        | Jackson, Mich.....     | 4,000                     |
|                              | Jan. 6, 1874  | Jackson County, Mich.....              | Crouch's Creek.....               | Grand River.....        | Jackson, Mich.....     | 2,000                     |
|                              | May 8, 1874   | Kalamazoo, Mich.....                   | Lunatic Asylum Pond.....          | Kalamazoo River.....    | Jackson, Mich.....     | 130                       |
|                              | Dec. 18, 1873 | .....                                  | William's Creek.....              | Dowagiac Creek.....     | Pokagon, Mich.....     | 5,000                     |
|                              | Dec. 18, 1874 | .....                                  | Emmon's Creek.....                | Dowagiac Creek.....     | Pokagon, Mich.....     | 5,000                     |
|                              | Dec. 18, 1874 | Reed City, Mich.....                   | Hersey Creek.....                 | Maskigon River.....     | Pokagon, Mich.....     | 50,000                    |
|                              | Dec. 22, 1874 | .....                                  | Calloun's Creek.....              | Dowagiac Creek.....     | Pokagon, Mich.....     | 10,000                    |
|                              | Dec. 23, 1874 | Crawford County, Mich.....             | Au Sable River.....               | Lake Huron.....         | Pokagon, Mich.....     | 50,000                    |
|                              | Dec. 23, 1874 | Calhoun County, Mich.....              | Metcalf's Lake.....               | Lake Michigan.....      | Pokagon, Mich.....     | 7,000                     |
|                              | Dec. 26, 1874 | Kalamazoo, Mich.....                   | Spring Brook Creek.....           | Kalamazoo River.....    | Pokagon, Mich.....     | 40,000                    |
|                              | Dec. 30, 1874 | Negamie, Mich.....                     | Carp River.....                   | Lake Superior.....      | Pokagon, Mich.....     | 60,000                    |
|                              | Jan. 14, 1875 | Cass County, Mich.....                 | Burke's Creek.....                | Dowagiac Creek.....     | Pokagon, Mich.....     | 3,000                     |
|                              | Jan. 15, 1875 | .....                                  | Crystal Springs Creek.....        | Dowagiac Creek.....     | Pokagon, Mich.....     | 6,000                     |
|                              | Jan. 15, 1875 | .....                                  | Mendenhall Creek.....             | Dowagiac Creek.....     | Pokagon, Mich.....     | 4,000                     |
|                              | Jan. 16, 1875 | .....                                  | Pokagon Creek.....                | Dowagiac Creek.....     | Pokagon, Mich.....     | 7,000                     |
|                              | Jan. 16, 1875 | Owosso, Mich.....                      | Shiawassee River.....             | Saginaw River.....      | Pokagon, Mich.....     | 35,000                    |
|                              | Jan. 18, 1875 | Battle Creek, Mich.....                | Gongee Lake.....                  | Kalamazoo River.....    | Pokagon, Mich.....     | 3,000                     |
|                              | Feb. 27, 1875 | Saint Joseph, Mich.....                | Pouls.....                        | Lake Michigan.....      | Pokagon, Mich.....     | 500                       |
|                              | Mar. 22, 1875 | Monroe, Mich.....                      | River Raisin.....                 | Lake Erie.....          | Pokagon, Mich.....     | 10,000                    |
|                              | Mar. 30, 1875 | Oakland County, Mich.....              | Lake Orion.....                   | Great Lakes.....        | Pokagon, Mich.....     | 10,000                    |
|                              | April 1, 1875 | Pokagon, Mich.....                     | Ponds.....                        | Saint Joseph River..... | Pokagon, Mich.....     | 1,000                     |
|                              | July 3, 1875  | Kalamazoo, Mich.....                   | Baptist Seminary Pond.....        | .....                   | Pokagon, Mich.....     | 100                       |
|                              | Dec. 8, 1875  | Cass County, Mich.....                 | Indian Creek.....                 | Dowagiac River.....     | Pokagon, Mich.....     | 15,000                    |
|                              | Dec. 8, 1875  | Cass County, Mich.....                 | William's Creek.....              | Dowagiac River.....     | Pokagon, Mich.....     | 8,000                     |
|                              | Dec. 8, 1875  | Cass County, Mich.....                 | Peavine Creek.....                | Dowagiac River.....     | Pokagon, Mich.....     | 18,000                    |

|               |                        |                     |                    |                  |        |
|---------------|------------------------|---------------------|--------------------|------------------|--------|
| Dec. 8, 1873  | Pokagon, Mich          | Pokagon Creek       | Dowagiac River     | Pokagon, Mich    | 10,000 |
| Dec. 11, 1873 | Niles, Mich            | Saint Joseph River  | Lake Michigan      | Pokagon, Mich    | 33,000 |
| Dec. 15, 1873 | Osego Lake, Mich       | Osego Lake          | Au Sable River     | Northville, Mich | 30,000 |
| Dec. 16, 1873 | Kalamazoo County, Mich | Twin Lakes          | Au Sable River     | Pokagon, Mich    | 4,000  |
| Dec. 16, 1873 | Kalamazoo County, Mich | Putty Lake          | Au Sable River     | Pokagon, Mich    | 2,000  |
| Dec. 16, 1873 | Kalamazoo County, Mich | Indian Lake         | Saint Joseph River | Pokagon, Mich    | 2,000  |
| Dec. 16, 1873 | Kalamazoo County, Mich | Portage River       | Saint Joseph River | Pokagon, Mich    | 4,000  |
| Dec. 16, 1873 | Barry County, Mich     | Long Lake           | Grand River        | Pokagon, Mich    | 2,000  |
| Dec. 16, 1873 | Kalamazoo County, Mich | Lyon's Lake         | Lake Michigan      | Pokagon, Mich    | 2,000  |
| Dec. 16, 1873 | Kalamazoo County, Mich | Wood's Lake         | Lake Michigan      | Pokagon, Mich    | 4,000  |
| Dec. 16, 1873 | Kalamazoo County, Mich | McMartin's Lake     | Lake Michigan      | Pokagon, Mich    | 2,000  |
| Dec. 16, 1873 | Kalamazoo County, Mich | Lewis Lake          | Lake Michigan      | Pokagon, Mich    | 2,000  |
| Dec. 16, 1873 | Calhoun County, Mich   | Metcalf Lake        | Lake Michigan      | Pokagon, Mich    | 2,000  |
| Dec. 16, 1873 | Calhoun County, Mich   | Brace Lake          | Lake Michigan      | Pokagon, Mich    | 4,000  |
| Dec. 16, 1873 | Kalamazoo County, Mich | Gall Lake           | Kalamazoo River    | Pokagon, Mich    | 4,000  |
| Dec. 16, 1873 | Calhoun County, Mich   | Gogebac Lake        | Kalamazoo River    | Pokagon, Mich    | 16,000 |
| Dec. 20, 1873 | Paw Paw, Mich          | Paw Paw River       | Lake Michigan      | Pokagon, Mich    | 10,000 |
| Dec. 21, 1873 | Flint County, Mich     | Flint River         | Saginaw River      | Northville, Mich | 8,000  |
| Dec. 21, 1873 | Bay County, Mich       | Ride River          | Saginaw Bay        | Northville, Mich | 10,000 |
| Dec. 22, 1873 | Midland, Mich          | Tittabawassee River | Saginaw River      | Northville, Mich | 10,000 |
| Dec. 22, 1873 | Midland, Mich          | Chippewa River      | Pine River         | Northville, Mich | 10,000 |
| Dec. 22, 1873 | Dearborn, Mich         | Rouge River         | Detroit River      | Northville, Mich | 8,000  |
| Dec. 23, 1873 | Oakland County, Mich   | Orchard Lake        | Rouge River        | Northville, Mich | 12,000 |
| Dec. 23, 1873 | Utica, Mich            | Clinton River       | Saint Clair Lake   | Northville, Mich | 10,000 |
| Dec. 23, 1873 | Somerset, Mich         | River Raisin        | Lake Erie          | Northville, Mich | 10,000 |
| Dec. 23, 1873 | Brooklyn, Mich         | River Raisin        | Lake Erie          | Northville, Mich | 10,000 |
| Dec. 23, 1873 | Oakland County, Mich   | Horizon Lake        | Great Lake         | Northville, Mich | 10,000 |
| Dec. 25, 1873 | Port Huron, Mich       | Saint Clair River   | Lake Huron         | Northville, Mich | 14,000 |
| Dec. 25, 1873 | Port Huron, Mich       | Black River         | Saint Clair River  | Northville, Mich | 12,000 |
| Dec. 25, 1873 | Ionia, Mich            | Maple River         | Grand River        | Northville, Mich | 6,000  |
| Dec. 25, 1873 | Clinton County, Mich   | Round Lake          | Grand River        | Northville, Mich | 6,000  |
| Dec. 28, 1873 | Barry County, Mich     | Carter Lake         | Lake Michigan      | Northville, Mich | 6,000  |
| Dec. 28, 1873 | Barry County, Mich     | Thorn Apple Lake    | Grand River        | Northville, Mich | 6,000  |
| Dec. 28, 1873 | Eaton County, Mich     | Thorn Apple Lake    | Grand River        | Northville, Mich | 6,000  |
| Dec. 28, 1873 | Lenawee County, Mich   | Raisin River        | Lake Erie          | Northville, Mich | 10,000 |
| Dec. 28, 1873 | Branch County, Mich    | Coldwater Lake      | Saint Joseph River | Northville, Mich | 4,000  |
| Dec. 28, 1873 | Branch County, Mich    | Lake of the Woods   | Saint Joseph River | Northville, Mich | 4,000  |
| Dec. 28, 1873 | Branch County, Mich    | Morrison Lake       | Saint Joseph River | Northville, Mich | 8,000  |
| Dec. 30, 1873 | Cass County, Mich      | Barrow Lake         | Saint Joseph River | Pokagon, Mich    | 8,000  |
| Jan. 1, 1876  | Cass County, Mich      | Muncy Lake          | Saint Joseph River | Pokagon, Mich    | 1,000  |
| Jan. 3, 1876  | Cass County, Mich      | Diamond Lake        | Saint Joseph River | Pokagon, Mich    | 8,000  |
| Jan. 3, 1876  | Three Rivers, Mich     | Portage River       | Saint Joseph River | Pokagon, Mich    | 4,000  |
| Jan. 3, 1876  | Colon, Mich            | Sturgeon Lake       | Saint Joseph River | Pokagon, Mich    | 4,000  |
| Jan. 3, 1876  | Three Rivers, Mich     | Saint Joseph River  | Lake Michigan      | Pokagon, Mich    | 8,000  |
| Jan. 3, 1876  | Pontiac, Mich          | Lord's Lake         | Clinton River      | Northville, Mich | 15,000 |
| Jan. 6, 1876  | Battle Creek, Mich     | Hamblin Lake        | Kalamazoo River    | Pokagon, Mich    | 1,000  |
| Jan. 6, 1876  | Grand Rapids, Mich     | Reed Lake           | Grand River        | Pokagon, Mich    | 4,000  |
| Jan. 6, 1876  | Kent County, Mich      | Church Lake         | Grand River        | Pokagon, Mich    | 2,000  |
| Jan. 6, 1876  | Kent County, Mich      | Pickeral Lake       | Grand River        | Pokagon, Mich    | 2,000  |
| Jan. 6, 1876  | Kent County, Mich      | Lamberton Lake      | Grand River        | Pokagon, Mich    | 2,000  |
| Jan. 6, 1876  | Kent County, Mich      | Soft Water Lake     | Grand River        | Pokagon, Mich    | 2,000  |
| Jan. 7, 1876  | Clam Lake, Mich        | Clam Lake           | Muskegon River     | Pokagon, Mich    | 10,000 |

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.           | Date.          | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—         | Where finally hatched. | Estimated number of fish. |
|------------------|----------------|----------------------------------------|-----------------------------------|-----------------------|------------------------|---------------------------|
| Michigan—Cont'd. | Jan. 7, 1878   | Kalamaska, Mich.                       | North Boardman River.             | Grand Traverse Bay.   | Pokagon, Mich.         | 8,000                     |
|                  | Jan. 7, 1878   | Kalamaska County, Mich.                | Rapid River.                      | Torch Lake.           | Pokagon, Mich.         | 12,000                    |
|                  | Jan. 8, 1878   | Boyer Falls, Mich.                     | Boyer River.                      | Pine Lake.            | Pokagon, Mich.         | 6,000                     |
|                  | Jan. 8, 1878   | Charlevoix County, Mich.               | Bear Creek.                       | Little Traverse Bay.  | Pokagon, Mich.         | 4,000                     |
|                  | Jan. 12, 1878  | Petoskey, Mich.                        | Pine Lake.                        | Lake Michigan.        | Pokagon, Mich.         | 26,500                    |
|                  | Jan. 12, 1878  |                                        | Ride River.                       | Lake Huron.           | Pokagon, Mich.         | 23,750                    |
|                  | Jan. 12, 1878  |                                        | Au Sable River.                   | Lake Huron.           | Pokagon, Mich.         | 23,750                    |
|                  | Jan. 13, 1878  | Lake County, Mich.                     | Big Star Lake.                    | Pero Marquette River. | Northville, Mich.      | 14,000                    |
|                  | Jan. 14, 1878  | Charlevoix County, Mich.               | Bear Creek.                       | Walloon Lake.         | Northville, Mich.      | 16,000                    |
|                  | Jan. 17, 1878  |                                        | Menominee Lake.                   | Lake Michigan.        | Pokagon, Mich.         | 30,000                    |
|                  | Jan. 19, 1878  | Marquette County, Mich.                | Michigamee Lake.                  | Menominee River.      | Northville, Mich.      | 24,000                    |
|                  | Jan. 19, 1878  | Marquette County, Mich.                | Three Lakes.                      | Menominee River.      | Northville, Mich.      | 8,000                     |
|                  | Feb. 9, 1878   | Northville, Mich.                      | Rouge River.                      | Detroit River.        | Northville, Mich.      | 20,000                    |
|                  | Dec. 21, 1878  | Jackson, Mich.                         | Grand River.                      | Lake Michigan.        | Pokagon, Mich.         | 37,500                    |
|                  | Dec. 22, 1878  | Detroit, Mich.                         | Detroit River.                    | Lake Erie.            | Northville, Mich.      | 20,000                    |
|                  | Dec. 25-8, '78 | Holly, Mich.                           | Shiawassee River.                 | Saginaw River.        | Northville, Mich.      | 55,200                    |
|                  | Dec. 25-8, '78 | Crawford County, Mich.                 | Au Sable River.                   | Lake Huron.           | Northville, Mich.      | 30,000                    |
|                  | Dec. 28, 1878  | Washtenaw County, Mich.                | Huron River.                      | Lake Erie.            | Northville, Mich.      | 8,000                     |
|                  | Nov. 1, 1877   | Wayne County, Mich.                    | Detroit River.                    | Lake Erie.            | Pokagon, Mich.         | 2,000                     |
|                  | Nov. 18, 1877  | Niles, Mich.                           | Private ponds.                    | Saint Joseph River.   | Pokagon, Mich.         | 300                       |
|                  | Jan. 2, 1878   | Cass County, Mich.                     | Pokagon Creek.                    | Saint Joseph River.   | Pokagon, Mich.         | 3,500                     |
|                  | Jan. 3, 1878   | Van Buren County, Mich.                | Sister Lakes.                     | Lake Michigan.        | Pokagon, Mich.         | 3,000                     |
|                  | Jan. 9, 1878   | Cass County, Mich.                     | Miller Creek.                     |                       | Pokagon, Mich.         | 1,000                     |
|                  | Jan. 10, 1878  | Cass County, Mich.                     | Indian Lake.                      |                       | Pokagon, Mich.         | 2,000                     |
|                  | Jan. 22, 1878  | Allegan County, Mich.                  | Dumont Lake.                      | Kalamazoo River.      | Pokagon, Mich.         | 3,500                     |
|                  | Jan. 22, 1878  | Allegan County, Mich.                  | Minor Lake.                       | Lake Michigan.        | Pokagon, Mich.         | 3,500                     |
|                  | Jan. 23, 1878  | Charlevoix County, Mich.               | Wallow Lake.                      | Lake Michigan.        | Pokagon, Mich.         | 5,000                     |
|                  | Feb. 5, 1878   | Howard, Mich.                          | Barron Lake.                      | Lake Michigan.        | Pokagon, Mich.         | 5,000                     |
|                  | Feb. 14, 1878  | Woodstock, Mich.                       | Mallory Lake.                     | Lake Erie.            | Pokagon, Mich.         | 2,500                     |
|                  | Feb. 14, 1878  | Woodstock, Mich.                       | Tiffin River.                     | Maumee River.         | Pokagon, Mich.         | 2,500                     |
|                  | Feb. 14, 1878  | Palmyra, Mich.                         | Palmyra Pond.                     | Raisin River.         | Pokagon, Mich.         | 2,500                     |
|                  | Feb. 14, 1878  | Raisin Centre, Mich.                   | Southard's Lake.                  | Raisin River.         | Pokagon, Mich.         | 2,500                     |
|                  | Feb. 14, 1878  | Hillsdale, Mich.                       | Bar-Deese Lake.                   | Saint Joseph River.   | Pokagon, Mich.         | 3,000                     |
|                  | Mar. 1, 1878   | Watervliet, Mich.                      | Big Paw Paw River.                | Lake Michigan.        | Pokagon, Mich.         | 4,000                     |
|                  | Mar. 2, 1878   | Saint Joseph, Mich.                    | Ponds.                            | Saint Joseph River.   | Pokagon, Mich.         | 300                       |
|                  | Mar. 2, 1878   | Benton Harbor, Mich.                   | Ponds.                            | Lake Michigan.        | Pokagon, Mich.         | 300                       |
|                  | Mar. 4, 1878   | Calhoun County, Mich.                  | Town Line.                        | Lake Michigan.        | Pokagon, Mich.         | 2,000                     |
|                  | Mar. 4, 1878   | Woodstock, Mich.                       | Silver Lake.                      | Lake Erie.            | Pokagon, Mich.         | 2,000                     |
|                  | Mar. 4, 1878   | Woodstock, Mich.                       | Goose Lake.                       | Lake Erie.            | Pokagon, Mich.         | 2,000                     |
|                  | Mar. 4, 1878   | Putnam, Mich.                          | Patterson Lake.                   | Huron River.          | Pokagon, Mich.         | 2,000                     |
|                  | Mar. 4, 1878   | Putnam, Mich.                          | Half Moon Lake.                   | Huron River.          | Pokagon, Mich.         | 2,000                     |
|                  | Mar. 4, 1878   | Dexter, Mich.                          | Island Lake.                      | Huron River.          | Pokagon, Mich.         | 2,000                     |
|                  | Mar. 4, 1878   | Rochester, Mich.                       | Private pond.                     | Clinton River.        | Pokagon, Mich.         | 1,000                     |
|                  | Mar. 4, 1878   | Dexter, Mich.                          | Silver Lake.                      | Huron River.          | Pokagon, Mich.         | 2,000                     |

|               |                         |                        |                   |                  |        |
|---------------|-------------------------|------------------------|-------------------|------------------|--------|
| Apr. 12, 1878 | Surrey, Mich            | Crooked Lake           | Muskegon River    | Pokagon, Mich    | 7,000  |
| Apr. 23, 1878 | Calhoun County, Mich    | Gogmac Lake            | Kalamazoo River   | Pokagon, Mich    | 3,500  |
| May 3, 1878   | Richland, Mich          | Gull Lake              | Kalamazoo River   | Pokagon, Mich    | 3,000  |
| May 3, 1878   | Richland, Mich          | Long Lake              | Kalamazoo River   | Pokagon, Mich    | 500    |
| Nov. 1, 1878  | Warne County, Mich      | Detroit River          | Lake Erie         | Pokagon, Mich    | 100    |
| Jan. 6, 1879  | Wayne County, Mich      | Rouge River            | Detroit River     | Pokagon, Mich    | 20,000 |
| Jan. 8, 1879  | Van Buren County, Mich  | Buck's Creek           | Paw Paw River     | Pokagon, Mich    | 15,000 |
| Jan. 8, 1879  | Van Buren County, Mich  | Mill Stream            | Paw Paw River     | Pokagon, Mich    | 10,000 |
| Jan. 9, 1879  | Cass County, Mich       | Pokagon Creek          | Dowagiac River    | Pokagon, Mich    | 10,000 |
| Jan. 10, 1879 | Cass County, Mich       | Pearline Creek         | Dowagiac River    | Pokagon, Mich    | 5,000  |
| Jan. 10, 1879 | Cass County, Mich       | Pine Creek             | Lake Michigan     | Pokagon, Mich    | 10,000 |
| Jan. 23, 1879 | Berrien County, Mich    | Saint Joseph River     | Lake Michigan     | Pokagon, Mich    | 20,000 |
| Jan. 30, 1879 | Jackson County, Mich    | Grand River            | Lake Michigan     | Pokagon, Mich    | 30,000 |
| Feb. 7, 1879  | Wexford County, Mich    | Manistee River         | Lake Michigan     | Pokagon, Mich    | 25,000 |
| Feb. 13, 1879 | Monroe, Mich            | Raisin River           | Lake Erie         | Pokagon, Mich    | 30,000 |
| Feb. 14, 1879 | Saginaw County, Mich    | Cass River             | Saginaw River     | Pokagon, Mich    | 30,000 |
| Feb. 26, 1879 | Kalamazoo County, Mich  | Gourd Neck Lake        | Lake Michigan     | Pokagon, Mich    | 2,000  |
| Feb. 26, 1879 | Allegan County, Mich    | Miner Lake             | Lake Michigan     | Pokagon, Mich    | 1,000  |
| Feb. 26, 1879 | Allegan County, Mich    | Mindler Lake           | Lake Michigan     | Pokagon, Mich    | 1,000  |
| Feb. 26, 1879 | Allegan County, Mich    | Wetmore Lake           | Lake Michigan     | Pokagon, Mich    | 1,000  |
| Feb. 26, 1879 | Allegan County, Mich    | Lake Sixteen           | Lake Michigan     | Pokagon, Mich    | 1,000  |
| Apr. 19, 1879 | Oceana County, Mich     | Crystal Lake           | Lake Michigan     | Pokagon, Mich    | 500    |
| Apr. 19, 1879 | Oceana County, Mich     | Round Lake             | Lake Michigan     | Pokagon, Mich    | 500    |
| July 12, 1879 | Romeo, Mich             | Private ponds          | Clinton River     | Pokagon, Mich    | 346    |
| Aug. 27, 1879 | Cass County, Mich       | Barron Lake            |                   | Pokagon, Mich    | 1,500  |
| Aug. 27, 1879 | Cass County, Mich       | Salmon Lake            |                   | Pokagon, Mich    | 900    |
| Fall of 1879  | Calhoun County, Mich    | Lyon Lake              |                   | Pokagon, Mich    | 130    |
| Fall of 1879  | Calhoun County, Mich    | Gongee Lake            |                   | Pokagon, Mich    | 125    |
| Fall of 1879  | Kalkaska County, Mich   | Blue Lake              |                   | Pokagon, Mich    | 200    |
| Fall of 1879  | Rosecommon County, Mich | Higgins Lake           |                   | Pokagon, Mich    | 120    |
| May - 1875    | Pine County, Minn       | Twin Lakes             | Saint Louis River | Saint Paul, Minn | 500    |
| May - 1875    | Pine County, Minn       | Big Lake               | Saint Louis River | Saint Paul, Minn | 500    |
| May - 1875    | Chicago County, Minn    | Saint Croix River      | Mississippi River | Saint Paul, Minn | 5,000  |
| May - 1875    | Washington County, Minn | Stillwater             | Mississippi River | Saint Paul, Minn | 5,000  |
| May - 1875    | Washington County, Minn | Saint Croix River      | Mississippi River | Saint Paul, Minn | 5,000  |
| May - 1875    | Washington County, Minn | Cornelia Lake          | Mississippi River | Saint Paul, Minn | 750    |
| May - 1875    | Washington County, Minn | Corman's Lake          | Mississippi River | Saint Paul, Minn | 410    |
| May - 1875    | Washington County, Minn | Mayo's Lake            | Mississippi River | Saint Paul, Minn | 410    |
| May - 1875    | Washington County, Minn | Soulé's Lake           | Mississippi River | Saint Paul, Minn | 410    |
| May - 1875    | Washington County, Minn | Mar's Lake             | Mississippi River | Saint Paul, Minn | 410    |
| May - 1875    | Washington County, Minn | Lilly Lake             | Mississippi River | Saint Paul, Minn | 410    |
| May - 1875    | Ramsey County, Minn     | White Bear Lake        | Saint Croix River | Saint Paul, Minn | 300    |
| May - 1875    | Ramsey County, Minn     | Base Lake              | Saint Croix River | Saint Paul, Minn | 100    |
| May - 1875    | Ramsey County, Minn     | Lake Como              | Saint Croix River | Saint Paul, Minn | 100    |
| May - 1875    | Ramsey County, Minn     | Lake Johanna           | Saint Croix River | Saint Paul, Minn | 100    |
| May - 1875    | Rice County, Minn       | Cannon River           | Mississippi River | Saint Paul, Minn | 1,000  |
| May - 1875    | Rice County, Minn       | Cedar Lake             | Minnesota River   | Saint Paul, Minn | 1,000  |
| May - 1875    | Faribault County, Minn  | Minnesota Lake         | Mississippi River | Saint Paul, Minn | 1,000  |
| May - 1875    | Breckwidge, Minn        | Red River of the North | Lake Winnipeg     | Saint Paul, Minn | 500    |
| May - 1875    | Dakota County, Minn     | Farmington River       | Mississippi River | Saint Paul, Minn | 1,000  |
| May - 1875    | Freshborn County, Minn  | Lake Albert Lea        | Iowa River        | Saint Paul, Minn | 1,000  |
| May - 1875    | Mower County, Minn      | Iowa River             | Cedar River       | Saint Paul, Minn | 300    |

Minnesota

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.            | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—         | Where finally hatched. | Estimated number of fish. |
|-------------------|---------------|----------------------------------------|-----------------------------------|-----------------------|------------------------|---------------------------|
| Minnesota—Cont'd. | May —, 1876   | Chisago County, Minn.                  | Taylor's Falls.                   | Mississippi River.    | Saint Paul, Minn.      | 1,000                     |
|                   | May —, 1876   | Hennepin County, Minn.                 | Lake Minnetonka.                  | Mississippi River.    | Saint Paul, Minn.      | 500                       |
|                   | May —, 1876   | Steele County, Minn.                   | Owatonna River.                   | Mississippi River.    | Saint Paul, Minn.      | 1,000                     |
|                   | Jan. 14, 1876 | Blue Earth County, Minn.               | Lake Madison.                     | Mississippi River.    | Red Wing, Minn.        | 275                       |
|                   | May 11, 1876  | Ramsey County, Minn.                   | Lake Phelon.                      | Mississippi River.    | Red Wing, Minn.        | 500                       |
|                   | May 11, 1876  | Ramsey County, Minn.                   | Lake Josephine.                   | Mississippi River.    | Red Wing, Minn.        | 300                       |
|                   | May 11, 1876  | Ramsey County, Minn.                   | Lake Johanna.                     | Mississippi River.    | Red Wing, Minn.        | 300                       |
|                   | May 11, 1876  | Ramsey County, Minn.                   | Lake Vadnais.                     | Mississippi River.    | Red Wing, Minn.        | 250                       |
|                   | May 11, 1876  | Ramsey County, Minn.                   | Lake Big Butte.                   | Mississippi River.    | Red Wing, Minn.        | 250                       |
|                   | May 11, 1876  | Dakota County, Minn.                   | Lake Snodgrass.                   | Mississippi River.    | Red Wing, Minn.        | 250                       |
|                   | May 11, 1876  | Dakota County, Minn.                   | Lake Kennedy.                     | Mississippi River.    | Red Wing, Minn.        | 500                       |
|                   | May 11, 1876  | Ramsey County, Minn.                   | Lake Como.                        | Mississippi River.    | Red Wing, Minn.        | 200                       |
|                   | May 11, 1876  | Ramsey County, Minn.                   | Lake McCann's.                    | Mississippi River.    | Red Wing, Minn.        | 500                       |
|                   | May 15, 1876  | Washington County, Minn.               | Butte's Lake.                     | Mississippi River.    | Red Wing, Minn.        | 500                       |
|                   | May 16, 1876  | Hennepin County, Minn.                 | Lake Harriet.                     | Mississippi River.    | Red Wing, Minn.        | 500                       |
|                   | May 16, 1876  | Hennepin County, Minn.                 | Lake Calhoun.                     | Mississippi River.    | Red Wing, Minn.        | 1,250                     |
|                   | May 18, 1876  | Ramsey County, Minn.                   | White Bear Lake.                  | Mississippi River.    | Red Wing, Minn.        | 1,250                     |
|                   | May 18, 1876  | Ramsey County, Minn.                   | Bald Eagle Lake.                  | Mississippi River.    | Red Wing, Minn.        | 4,000                     |
|                   | May 23, 1876  | Kandiyohi County, Minn.                | Green Lake.                       | Crow River.           | Red Wing, Minn.        | 2,000                     |
|                   | May 23, 1876  | Kandiyohi County, Minn.                | Eagle Lake.                       | Mississippi River.    | Red Wing, Minn.        | 1,000                     |
|                   |               | Stevens County, Minn.                  |                                   | Pomme de Terre River. | Red Wing, Minn.        | 1,000                     |
|                   | May 23, 1876  | Wright County, Minn.                   | Crow River.                       | Mississippi River.    | Red Wing, Minn.        | 500                       |
|                   | May 23, 1876  | Swift County, Minn.                    | Chippewa River.                   | Minnesota River.      | Red Wing, Minn.        | 1,000                     |
|                   | May 23, 1876  | Stevens County, Minn.                  | Pomme de Terre River.             | Minnesota River.      | Red Wing, Minn.        | 1,500                     |
|                   | May 23, 1876  | Grant County, Minn.                    | Mustinka River.                   | Rabbit River.         | Red Wing, Minn.        | 1,500                     |
|                   | May 25, 1876  | Sherburne County, Minn.                | Hand Lake.                        | Mississippi River.    | Red Wing, Minn.        | 1,000                     |
|                   | May 28, 1876  | Hennepin County, Minn.                 | Minnetonka Lake.                  | Mississippi River.    | Red Wing, Minn.        | 500                       |
|                   | May 28, 1876  | Hennepin County, Minn.                 | Hokah Lake.                       | Mississippi River.    | Red Wing, Minn.        | 10,000                    |
|                   | May 28, 1876  | Rice County, Minn.                     | Lake.                             | Mississippi River.    | Red Wing, Minn.        | 1,500                     |
|                   | May 28, 1876  | Dakota County, Minn.                   | Lake Crystal.                     | Mississippi River.    | Red Wing, Minn.        | 2,000                     |
|                   | May 28, 1876  | Rice County, Minn.                     |                                   | Mississippi River.    | Red Wing, Minn.        | 5,000                     |
|                   | May 28, 1876  | Scott County, Minn.                    | Prior Lake.                       | Mississippi River.    | Red Wing, Minn.        | 6,000                     |
|                   | May 28, 1876  | Washington County, Minn.               | Marine Lake.                      | Mississippi River.    | Red Wing, Minn.        | 20,000                    |
|                   | May 28, 1876  | Washington County, Minn.               | Cornellian Lake.                  | Mississippi River.    | Red Wing, Minn.        | 700                       |
|                   | May 28, 1876  | Washington County, Minn.               | Square Lake.                      | Mississippi River.    | Red Wing, Minn.        | 700                       |
|                   | June 2, 1876  | Ramsey County, Minn.                   | Lake Turtle.                      | Mississippi River.    | Red Wing, Minn.        | 600                       |
|                   | June 2, 1876  | Ramsey County, Minn.                   | Lake Josephine.                   | Mississippi River.    | Red Wing, Minn.        | 1,000                     |
|                   | June 2, 1876  | Ramsey County, Minn.                   | Lake Ringdale.                    | Mississippi River.    | Red Wing, Minn.        | 1,000                     |
|                   | June 2, 1876  | Ramsey County, Minn.                   | Lake Hallaron.                    | Mississippi River.    | Red Wing, Minn.        | 2,000                     |
|                   | June 2, 1876  | Carver County, Minn.                   | Lake.                             | Mississippi River.    | Red Wing, Minn.        | 1,000                     |
|                   | June 2, 1876  | Scott County, Minn.                    | Lake.                             | Mississippi River.    | Red Wing, Minn.        | 1,000                     |
|                   | June 2, 1876  | Washington County, Minn.               | Brown's Creek.                    | Mississippi River.    | Red Wing, Minn.        | 5,000                     |
|                   | June 2, 1876  | Wabasha County, Minn.                  | Mazappa Creek.                    | Zumbro River.         | Red Wing, Minn.        | 1,000                     |
|                   |               |                                        |                                   |                       | Red Wing, Minn.        | 1,000                     |

|               |                          |                   |                        |                   |        |
|---------------|--------------------------|-------------------|------------------------|-------------------|--------|
| June 2, 1876  | Washington County, Minn. | Eagle Lake        | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June 2, 1876  | Washington County, Minn. | School Section    | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June 2, 1876  | Washington County, Minn. | Tury Lake         | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June 2, 1876  | Washington County, Minn. | Round Lake        | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June 2, 1876  | Washington County, Minn. | McKnic's Lake     | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June 2, 1876  | Washington County, Minn. | Pine Tree Lake    | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June 2, 1876  | Lanesborough, Minn.      |                   | Root River             | Red Wing, Minn.   | 2,500  |
| June 2, 1876  | Wright County, Minn.     | Bartown Lake      | Mississippi River      | Red Wing, Minn.   | 250    |
| June 2, 1876  | Washington County, Minn. | Lake              | Mississippi River      | Red Wing, Minn.   | 500    |
| June 2, 1876  | McLeod County, Minn.     | Lake Morrison     | Crow River             | Red Wing, Minn.   | 250    |
| June 2, 1876  | Renville County, Minn.   | Lake Preston      | Mississippi River      | Red Wing, Minn.   | 250    |
| June 2, 1876  | Washington County, Minn. | Lakeland          | Mississippi River      | Red Wing, Minn.   | 250    |
| June 2, 1876  | Dakota County, Minn.     |                   | Mississippi River      | Red Wing, Minn.   | 1,500  |
| June 2, 1876  | Rice County, Minn.       | French Lake       | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June 2, 1876  | Rice County, Minn.       | Cedar Lake        | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June 2, 1876  | Rice County, Minn.       | Dudley Lake       | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June 2, 1876  | Rice County, Minn.       | Robert Lake       | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June 2, 1876  | Rice County, Minn.       | Shield Lake       | Cannon River           | Red Wing, Minn.   | 1,000  |
| June 6, 1876  | Carter County, Minn.     | Clear Lake        | Mississippi River      | Red Wing, Minn.   | 500    |
| June 7, 1876  | Cottonwood County, Minn. | String Lake       | Mississippi River      | Red Wing, Minn.   | 300    |
| June 16, 1876 | Sherburne County, Minn.  | Big Lake          | Mississippi River      | Red Wing, Minn.   | 300    |
| June 16, 1876 | Stearns County, Minn.    | Pearl Lake        | Mississippi River      | Red Wing, Minn.   | 800    |
| June 16, 1876 | Stearns County, Minn.    | Pleasant Lake     | Mississippi River      | Red Wing, Minn.   | 900    |
| June 16, 1876 | Stearns County, Minn.    | Grand Lake        | Mississippi River      | Red Wing, Minn.   | 800    |
| June —, 1876  | Blue Earth County, Minn. | Loon Lake         | Mississippi River      | Red Wing, Minn.   | 500    |
| June —, 1876  | Watowan County, Minn.    | Madelia Lake      | Watowan River          | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Cottonwood County, Minn. | Bingham Lake      | Watowan River          | Red Wing, Minn.   | 1,500  |
| June —, 1876  | Cottonwood County, Minn. | Windom Lake       | Des Moines River       | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Cottonwood County, Minn. | Welder Lake       | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Noble County, Minn.      | Okabena Lake      | Des Moines River       | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Blue Earth County, Minn. | Eagle Lake        | Minnesota River        | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Blue Earth County, Minn. | Madison Lake      | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Waseca County, Minn.     | Elysian Lake      | Minnesota River        | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Waseca County, Minn.     | Clear Lake        | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Le Sueur County, Minn.   | Lake Emily        | Mississippi River      | Red Wing, Minn.   | 2,000  |
| June —, 1876  | Freeborn County, Minn.   | Lake Albert Lea   | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Freeborn County, Minn.   | Pickrel Lake      | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Fairhault County, Minn.  | Minnesota Lake    | Mississippi River      | Red Wing, Minn.   | 500    |
| June —, 1876  | Fairhault County, Minn.  | Boas Lake         | Mississippi River      | Red Wing, Minn.   | 1,000  |
| June —, 1876  | Blue Earth County, Minn. | Lake Laura        | Mississippi River      | Red Wing, Minn.   | 500    |
| June —, 1876  | Kandiyohi, Minn.         | Green Lake        | Crow River             | Red Wing, Minn.   | 500    |
| June —, 1876  | Chisago County, Minn.    | Chisago Lake      | Mississippi River      | Red Wing, Minn.   | 500    |
| June —, 1876  | Washington County, Minn. | Forest Lake       | Mississippi River      | Red Wing, Minn.   | 500    |
| June —, 1876  | Redwing, Minn.           | Mississippi River | Gulf of Mexico         | Red Wing, Minn.   | 10,000 |
| June —, 1876  | Stillwater, Minn.        | Saint Croix River | Mississippi River      | Stillwater, Minn. | 90,000 |
| June —, 1876  | Breckenridge, Minn.      | Red River         | Red River of the North | Red Wing, Minn.   | 500    |
| Feb. 6, 1877  | Lake City, Minn.         | Lake Pepin        | Mississippi River      | Red Wing, Minn.   | 250    |
| Mar. 24, 1877 | Hennepin County, Minn.   | Lake Armstrong    | Mississippi River      | Red Wing, Minn.   | 250    |
|               |                          | Lake Johnson      | Mississippi River      | Red Wing, Minn.   | 250    |
| Apr. 14, 1877 | Red Wing, Minn.          | Skilman Pond      | Mississippi River      | Red Wing, Minn.   | 250    |
| Apr. 16, 1877 | Minnetonka, Minn.        | Long Lake         | Mississippi River      | Red Wing, Minn.   | 8,000  |
| Apr. 24, 1877 | Scott County, Minn.      | Prior Lake        | Mississippi River      | Red Wing, Minn.   | 10,000 |

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.            | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—     | Where finally hatched. | Estimated number of fish. |
|-------------------|---------------|----------------------------------------|-----------------------------------|-------------------|------------------------|---------------------------|
| Minnesota—Cont'd. | Apr. 26, 1877 | Ramsey County, Minn.                   | Lake Phalon                       | Mississippi River | Red Wing, Minn.        | 250                       |
|                   | Apr. 26, 1877 | Washington County, Minn.               | Silver Lake                       | Mississippi River | Red Wing, Minn.        | 250                       |
|                   | Apr. 26, 1877 | Ramsey County, Minn.                   | Lake Josephine                    | Mississippi River | Red Wing, Minn.        | 250                       |
|                   | Apr. 26, 1877 | Faribault County, Minn.                | Base Lake                         | Mississippi River | Red Wing, Minn.        | 250                       |
|                   | Apr. 26, 1877 | Ramsey County, Minn.                   | McCaun's Lake                     | Mississippi River | Red Wing, Minn.        | 250                       |
|                   | Apr. 26, 1877 | Stearns County, Minn.                  | Pleasant Lake                     | Mississippi River | Red Wing, Minn.        | 250                       |
|                   | Apr. 26, 1877 | Ramsey County, Minn.                   | Lake Como                         | Mississippi River | Red Wing, Minn.        | 250                       |
|                   | Apr. 27, 1877 | Hennepin County, Minn.                 | Lake Harriet                      | Mississippi River | Red Wing, Minn.        | 250                       |
|                   | Apr. 27, 1877 |                                        | Medicine Lake                     |                   | Red Wing, Minn.        | 250                       |
|                   | Apr. 27, 1877 |                                        | Shady Oak Lake                    |                   | Red Wing, Minn.        | 250                       |
|                   | Apr. 27, 1877 | Rice County, Minn.                     | Cedar Lake                        | Mississippi River | Red Wing, Minn.        | 250                       |
|                   | May 2, 1877   | Cottonwood County, Minn.               | Eagle Lake                        | Mississippi River | Red Wing, Minn.        | 500                       |
|                   | May 2, 1877   | Cottonwood County, Minn.               | Mountain Lake                     | Mississippi River | Red Wing, Minn.        | 500                       |
|                   | May 2, 1887   | Jackson County, Minn.                  | Heron Lake                        | Des Moines River  | Red Wing, Minn.        | 1,500                     |
|                   | May 2, 1877   | Nobles County, Minn.                   | Okabeena Lake                     | Mississippi River | Red Wing, Minn.        | 800                       |
|                   | May 2, 1877   | Nobles County, Minn.                   | Ocheeda Lake                      | Mississippi River | Red Wing, Minn.        | 700                       |
|                   | May 2, 1877   | Jackson County, Minn.                  | Lake                              | Mississippi River | Red Wing, Minn.        | 1,500                     |
|                   | May 2, 1877   | Windom, Minn.                          | Des Moines River                  | Mississippi River | Red Wing, Minn.        | 1,500                     |
|                   | May 2, 1877   | Blue Earth County, Minn.               | Loon Lake                         | Minnesota River   | Red Wing, Minn.        | 750                       |
|                   | May 2, 1877   | Blue Earth County, Minn.               | Clear Lake                        | Minnesota River   | Red Wing, Minn.        | 750                       |
|                   | May 2, 1877   | Madelia, Minn.                         | Watonwan River                    | Minnesota River   | Red Wing, Minn.        | 1,500                     |
|                   | May 8, 1877   | Chicago County, Minn.                  | Forest Lake                       | Mississippi River | Red Wing, Minn.        | 1,200                     |
|                   | May 8, 1877   | Chicago County, Minn.                  | North Branch                      | Mississippi River | Red Wing, Minn.        | 3,000                     |
|                   | May 8, 1877   | Chicago County, Minn.                  | Rush Lake                         | Mississippi River | Red Wing, Minn.        | 4,000                     |
|                   | May 8, 1877   | Chicago County, Minn.                  | Danewood Lake                     | Mississippi River | Red Wing, Minn.        | 30                        |
|                   | May 8, 1877   | Northfield, Minn.                      | Cedar Lake                        | Cannon River      | Red Wing, Minn.        | 1,000                     |
|                   | May 8, 1877   | Faribault, Minn.                       | Fox Lake                          | Mississippi River | Red Wing, Minn.        | 3,000                     |
|                   | May 8, 1877   | Northfield, Minn.                      | Roberts Lake                      | Cannon River      | Red Wing, Minn.        | 1,000                     |
|                   | May 8, 1877   | Rice County, Minn.                     | French Lake                       | Mississippi River | Red Wing, Minn.        | 1,000                     |
|                   | May 11, 1877  | Washington County, Minn.               | Cornelian Lake                    | Mississippi River | Red Wing, Minn.        | 3,000                     |
|                   | May 11, 1877  | Washington County, Minn.               | Twin Lakes                        | Mississippi River | Red Wing, Minn.        | 2,000                     |
|                   | May 11, 1877  | Washington County, Minn.               | McKinsic's Lake                   | Mississippi River | Red Wing, Minn.        | 2,500                     |
|                   | May 12, 1877  | Scott County, Minn.                    | Prior Lake                        | Mississippi River | Red Wing, Minn.        | 10,000                    |
|                   | May 15, 1877  | Scott County, Minn.                    | O'Dowd's Lake                     | Mississippi River | Red Wing, Minn.        | 1,000                     |
|                   | May 18, 1877  |                                        | East Lake                         |                   | Red Wing, Minn.        | 2,500                     |
|                   | May 18, 1877  |                                        | West Lake                         |                   | Red Wing, Minn.        | 2,500                     |
|                   | May 18, 1877  |                                        | Graham Lake                       |                   | Red Wing, Minn.        | 2,000                     |
|                   | May 18, 1877  |                                        | Clear Lake                        |                   | Red Wing, Minn.        | 2,000                     |
|                   | May 22, 1877  | Todd County, Minn.                     | Sank Lake                         | Sank River        | Red Wing, Minn.        | 3,000                     |
|                   | May 22, 1877  | Douglas County, Minn.                  | Long Prairie River                | Crow Wing River   | Red Wing, Minn.        | 5,000                     |
|                   | May 22, 1877  | Stearns County, Minn.                  | Sank River                        | Mississippi River | Red Wing, Minn.        | 1,000                     |
|                   | May 22, 1877  | Austin, Minn.                          | Mill Pond                         | Cedar River       | Red Wing, Minn.        | 1,500                     |
|                   | May 22, 1877  | Owatonna, Minn.                        | Cannon River                      | Mississippi River | Red Wing, Minn.        | 3,000                     |
|                   | May 22, 1877  | Faribault, Minn.                       | Cannon River                      | Mississippi River | Red Wing, Minn.        | 1,500                     |

|               |                          |                        |                                       |                 |       |
|---------------|--------------------------|------------------------|---------------------------------------|-----------------|-------|
| May 22, 1877  | Rice County, Minn.       | Roberts Lake           | Mississippi River                     | Red Wing, Minn. | 1,500 |
| May 22, 1877  | Rice County, Minn.       | French Lake            | Mississippi River                     | Red Wing, Minn. | 1,000 |
| May 24, 1877  | Rochester, Minn.         | South Branch           | Zanado River                          | Red Wing, Minn. | 1,000 |
| May 24, 1877  | Rochester, Minn.         | Orono River            |                                       | Red Wing, Minn. | 500   |
| May 24, 1877  | Olmstead County, Minn.   | Root River             |                                       | Red Wing, Minn. | 500   |
| May 26, 1877  | Ramsey County, Minn.     | Lake Johanna           | Mississippi River                     | Red Wing, Minn. | 600   |
| May 26, 1877  | Ramsey County, Minn.     | Rice's Pond            | Mississippi River                     | Red Wing, Minn. | 600   |
| May 28, 1877  | Washington County, Minn. | Bass Lake              | Mississippi River                     | Red Wing, Minn. | 1,200 |
| May 31, 1877  | Hennepin County, Minn.   | Lake Independence      | Mississippi River                     | Red Wing, Minn. | 800   |
| May 31, 1877  |                          | Christmas Lake         | Mississippi River                     | Red Wing, Minn. | 800   |
| May 31, 1877  | Anoka County, Minn.      | Round Lake             | Mississippi River                     | Red Wing, Minn. | 800   |
| May 31, 1877  | Meeker County, Minn.     | Xoromis Lake           | Mississippi River                     | Red Wing, Minn. | 1,000 |
| May 31, 1877  | Meeker County, Minn.     | Ripley Lake            | Mississippi River                     | Red Wing, Minn. | 1,000 |
| May 31, 1877  | Meeker County, Minn.     | Minnebel Lake          | Mississippi River                     | Red Wing, Minn. | 1,200 |
| May 31, 1877  |                          | Clearwater Lake        | Mississippi River                     | Red Wing, Minn. | 2,400 |
| June 5, 1877  | Chisago County, Minn.    | Green Lake             | Mississippi River                     | Red Wing, Minn. | 1,600 |
| June 5, 1877  | Chisago County, Minn.    | Chisago Lake           | Mississippi River                     | Red Wing, Minn. | 1,600 |
| June 5, 1877  | Pine City, Minn.         | Snake River            | Saint Croix River                     | Red Wing, Minn. | 1,600 |
| June 5, 1877  | Carlton County, Minn.    | Moose Lake             | Kettle River (Red River of the North) | Red Wing, Minn. | 800   |
| June 5, 1877  | Becker County, Minn.     | Detroit Lake           | Pelican River                         | Red Wing, Minn. | 3,200 |
| June 5, 1877  | Hawley, Minn.            | Buffalo River          | Red River of the North                | Red Wing, Minn. | 800   |
| June 5, 1877  | Moorhead, Minn.          | Red River of the North | Lake Winnipeg                         | Red Wing, Minn. | 2,400 |
| June 5, 1877  | Olmstead County, Minn.   | Root River             | Mississippi River                     | Red Wing, Minn. | 1,000 |
| June 11, 1877 | Wright County, Minn.     | Lake Charlotte         | Mississippi River                     | Red Wing, Minn. | 600   |
| June 11, 1877 | Kandiyohi County, Minn.  | Diamond Lake           | Mississippi River                     | Red Wing, Minn. | 600   |
| June 11, 1877 | Kandiyohi County, Minn.  | Green Lake             | Mississippi River                     | Red Wing, Minn. | 600   |
| June 11, 1877 | Kandiyohi County, Minn.  | Eagle Lake             | Mississippi River                     | Red Wing, Minn. | 600   |
| June 11, 1877 | Kandiyohi County, Minn.  | George Lake            | Mississippi River                     | Red Wing, Minn. | 600   |
| June 11, 1877 | Morris, Minn.            | Pomme de Terre River   | Minnesota River                       | Red Wing, Minn. | 600   |
| June 11, 1877 | Stevens County, Minn.    |                        | Pomme de Terre River                  | Red Wing, Minn. | 1,200 |
| June 11, 1877 | Benson, Minn.            | Chippewa River         | Minnesota River                       | Red Wing, Minn. | 1,200 |
| June 11, 1877 | Swift County, Minn.      | Saint Mary's Lake      | Minnesota River                       | Red Wing, Minn. | 600   |
| June 11, 1877 | Swift County, Minn.      | Saint Mary's Lake      | Minnesota River                       | Red Wing, Minn. | 600   |
| June 11, 1877 | Stevens County, Minn.    | McCarthy's Lake        | Minnesota River                       | Red Wing, Minn. | 600   |
| June 11, 1877 | Morris, Minn.            | Pomme de Terre River   | Minnesota River                       | Red Wing, Minn. | 600   |
| June 11, 1877 | Wilkin County, Minn.     | Bois de Sioux River    | Red River of the North                | Red Wing, Minn. | 800   |
| June 11, 1877 | Otter Tail County, Minn. | Otter Tail River       | R. d River                            | Red Wing, Minn. | 300   |
| June 15, 1877 | Blue Earth County, Minn. | Madison Lake           | Minnesota River                       | Red Wing, Minn. | 4,000 |
| June 19, 1877 | Wright County, Minn.     | Sugar Lake             | Mississippi River                     | Red Wing, Minn. | 500   |
| June 19, 1877 | Wright County, Minn.     | Pulaski                | Mississippi River                     | Red Wing, Minn. | 500   |
| June 19, 1877 | Anoka County, Minn.      | Round Lake             | Mississippi River                     | Red Wing, Minn. | 500   |
| June 19, 1877 | Sherburne County, Minn.  | Clear Lake             | Mississippi River                     | Red Wing, Minn. | 500   |
| June 19, 1877 | Todd County, Minn.       | Oskan Lake             | Sunk River                            | Red Wing, Minn. | 1,500 |
| June 19, 1877 | Sherburne County, Minn.  | Briggs Lake            | Mississippi River                     | Red Wing, Minn. | 500   |
| June 19, 1877 | Stearns County, Minn.    | Cornell Lake           | Mississippi River                     | Red Wing, Minn. | 500   |
| June 19, 1877 | Stearns County, Minn.    | Kimball Lake           | Mississippi River                     | Red Wing, Minn. | 500   |
| June 19, 1877 | Stearns County, Minn.    | Silver Lake            | Mississippi River                     | Red Wing, Minn. | 500   |
| June 19, 1877 | Avon, Minn.              | Spunk Creek            | Mississippi River                     | Red Wing, Minn. | 500   |
| June 19, 1877 | Anoka County, Minn.      | Crooked Lake           | Mississippi River                     | Red Wing, Minn. | 500   |
| June 19, 1877 |                          | George Lake            |                                       | Red Wing, Minn. | 500   |
| June 19, 1877 |                          | Oon Lake               |                                       | Red Wing, Minn. | 500   |

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.            | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—     | Where finally hatched. | Estimated number of fish. |
|-------------------|---------------|----------------------------------------|-----------------------------------|-------------------|------------------------|---------------------------|
| Minnesota—Cont'd. | June 29, 1877 | Kasota, Minn.                          | Minnesota River                   | Mississippi River | Red Wing, Minn.        | 1,500                     |
|                   | June 29, 1877 | Sibley County, Minn.                   | Silver Lake                       | Mississippi River | Red Wing, Minn.        | 500                       |
|                   | June 29, 1877 | Sibley County, Minn.                   | Horse Shoe Lake                   | Mississippi River | Red Wing, Minn.        | 500                       |
|                   | June 29, 1877 | Le Sueur County, Minn.                 | Lake Emily                        | Mississippi River | Red Wing, Minn.        | 1,000                     |
|                   | June 29, 1877 | Blue Earth County, Minn.               | Lake Crystal                      | Mississippi River | Red Wing, Minn.        | 1,500                     |
|                   | June 29, 1877 |                                        | Long Lake                         |                   | Red Wing, Minn.        | 500                       |
|                   | June 29, 1877 |                                        | McKinsie Lake                     |                   | Red Wing, Minn.        | 500                       |
|                   | June 29, 1877 |                                        | Mary's Lake                       |                   | Red Wing, Minn.        | 1,000                     |
|                   | June 29, 1877 | Watowwan County, Minn.                 | Saint James Lake                  | Watowwan River    | Red Wing, Minn.        | 500                       |
|                   | Aug. 6, 1877  | Scott County, Minn.                    | Prior Lake                        | Mississippi River | Red Wing, Minn.        | 5,000                     |
|                   | Spring, 1878  | Blue Earth County, Minn.               | Minnesota River                   | Mississippi River | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Brown County, Minn.                    | Sleepy Eye Lake                   | Cottonwood River  | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Brown County, Minn.                    | Clear Lake                        | Minnesota River   | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Brown County, Minn.                    | Hanska Lake                       | Minnesota River   | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Carlton County, Minn.                  | Moose Lake                        | Kettle River      | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Carlton County, Minn.                  | Bear Lake                         | Kettle River      | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Carlton County, Minn.                  | Cub Lake                          | Kettle River      | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Carlton County, Minn.                  | Moose Horn Lake                   | Kettle River      | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Carlton County, Minn.                  | Chubb Lake                        | Kettle River      | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Carlton County, Minn.                  | Hanging Horn                      | Kettle River      | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Fond du Lac, Minn.                     | Saint Louis River                 | Lake Superior     | Willow Brook, Minn.    | 2,000                     |
|                   | Spring, 1878  | Carver County, Minn.                   | Waconia Lake                      | Mississippi River | Willow Brook, Minn.    | 2,000                     |
|                   | Spring, 1878  | Carver County, Minn.                   | Menowasta River                   | Mississippi River | Willow Brook, Minn.    | 500                       |
|                   | Spring, 1878  | Dakota County, Minn.                   | Kennedy Lake                      | Mississippi River | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Dakota County, Minn.                   | Lake Early                        | Mississippi River | Willow Brook, Minn.    | 500                       |
|                   | Spring, 1878  | Dakota County, Minn.                   | South Branch                      | Vermillion River  | Willow Brook, Minn.    | 500                       |
|                   | Spring, 1878  | Dakota County, Minn.                   | Farquhar Lake                     | Mississippi River | Willow Brook, Minn.    | 200                       |
|                   | Spring, 1878  | Dakota County, Minn.                   | McGrath's Lake                    | Mississippi River | Willow Brook, Minn.    | 500                       |
|                   | Spring, 1878  | Dakota County, Minn.                   | Twin Lakes                        | Mississippi River | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Freeborn County, Minn.                 | Alden Lake                        | Mississippi River | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Freeborn County, Minn.                 | Pickrel Lake                      | Mississippi River | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Grant County, Minn.                    | Patchen's Lake                    |                   | Willow Brook, Minn.    | 2,000                     |
|                   | Spring, 1878  | Grant County, Minn.                    | Twin Lakes                        |                   | Willow Brook, Minn.    | 2,000                     |
|                   | Spring, 1878  | Grant County, Minn.                    | Haskins Lake                      |                   | Willow Brook, Minn.    | 2,000                     |
|                   | Spring, 1878  | Goodhue County, Minn.                  | Bell Creek                        | Cannon River      | Willow Brook, Minn.    | 5,000                     |
|                   | Spring, 1878  | Hennepin County, Minn.                 | Minnetonka Lake                   | Mississippi River | Willow Brook, Minn.    | 3,000                     |
|                   | Spring, 1878  | Hennepin County, Minn.                 | Lake Rebecca                      | Mississippi River | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Hennepin County, Minn.                 | Lyndal Lake                       | Mississippi River | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Houston County, Minn.                  | Hokah Creek                       | Root River        | Willow Brook, Minn.    | 2,000                     |
|                   | Spring, 1878  | Houston County, Minn.                  | Silver Lake                       | Mississippi River | Willow Brook, Minn.    | 2,000                     |
|                   | Spring, 1878  | Houston County, Minn.                  | Como Lake                         | Mississippi River | Willow Brook, Minn.    | 4,000                     |
|                   | Spring, 1878  | Le Sueur County, Minn.                 | Lake Emily                        | Mississippi River | Willow Brook, Minn.    | 2,000                     |
|                   | Spring, 1878  | Le Sueur County, Minn.                 | Lake Washington                   | Cannon River      | Willow Brook, Minn.    | 1,000                     |
|                   | Spring, 1878  | Le Sueur County, Minn.                 | Lake Jefferson                    | Cannon River      | Willow Brook, Minn.    | 3,000                     |

|               |                          |                        |                   |                     |       |
|---------------|--------------------------|------------------------|-------------------|---------------------|-------|
| Spring, 1878  | Mower County, Minn.      | Little Iowa River      | Mississippi River | Willow Brook, Minn. | 3,000 |
| Spring, 1878  | Pope County, Minn.       | Lake Peterson          | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Pope County, Minn.       | Chippewa River         | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Ramsey County, Minn.     | Kameroth's Pond        | Mississippi River | Willow Brook, Minn. | 200   |
| Spring, 1878  | Ramsey County, Minn.     | Gervais Lake           | Mississippi River | Willow Brook, Minn. | 3,500 |
| Spring, 1878  | Rice County, Minn.       | Roberts Lake           | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Rice County, Minn.       | Dudley Lake            | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Rice County, Minn.       | Cedar Lake             | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Rice County, Minn.       | French Lake            | Mississippi River | Willow Brook, Minn. | 2,000 |
| Spring, 1878  | Rice County, Minn.       | Shields Lake           | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Rice County, Minn.       | Union Lake             | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Rice County, Minn.       | Circle Lake            | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Rice County, Minn.       | Horse Shoe Lake        | Mississippi River | Willow Brook, Minn. | 2,000 |
| Spring, 1878  | Rice County, Minn.       | Spring Creek           | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Rice County, Minn.       | Cannon River           | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Rice County, Minn.       | Gillmore's Creek       | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Scott County, Minn.      | Credit Lake            | Mississippi River | Willow Brook, Minn. | 3,500 |
| Spring, 1878  | Scott County, Minn.      | Prior Lake             | Mississippi River | Willow Brook, Minn. | 3,500 |
| Spring, 1878  | Scott County, Minn.      | Spring Lake            | Mississippi River | Willow Brook, Minn. | 4,000 |
| Spring, 1878  | Scott County, Minn.      | O'Dowd's Lake          | Mississippi River | Willow Brook, Minn. | 4,000 |
| Spring, 1878  | Sherburne County, Minn.  | Briggs Lake            | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Sherburne County, Minn.  | Rush Lake              | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Sherburne County, Minn.  | Lake Julia             | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Stearns County, Minn.    | Pearl Lake             | Sank River        | Willow Brook, Minn. | 2,000 |
| Spring, 1878  | Stearns County, Minn.    | Pleasant Lake          | Mississippi River | Willow Brook, Minn. | 4,000 |
| Spring, 1878  | Stearns County, Minn.    | Grand Lake             | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Stearns County, Minn.    | Kimball Lake           | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Stearns County, Minn.    | Cornelian Lake         | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Stearns County, Minn.    | Saint John's Lake      | Mississippi River | Willow Brook, Minn. | 3,000 |
| Spring, 1878  | Stevens County, Minn.    | Gavin's Lake           | Minnesota River   | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Stevens County, Minn.    | Eagle Lake             | Minnesota River   | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Stevens County, Minn.    | Frog Lake              | Minnesota River   | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Stevens County, Minn.    | Donnelly Lake          | Minnesota River   | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Swift County, Minn.      | Hassel Lake            | Chippewa River    | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Mazeppa, Minn.           | Zumbro River           | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Wabasha County, Minn.    | N. Dr. Zumbro River    | Mississippi River | Willow Brook, Minn. | 2,000 |
| Spring, 1878  | Washington County, Minn. | Clear Lake             | Mississippi River | Willow Brook, Minn. | 1,000 |
| Spring, 1878  | Washington County, Minn. | Tanner's Lake          | Mississippi River | Willow Brook, Minn. | 500   |
| Spring, 1878  | Wilkin County, Minn.     | Red River of the North | Winnipeg River    | Willow Brook, Minn. | 3,000 |
| Spring, 1878  | Winona County, Minn.     | Brown's Mill Pond      | Mississippi River | Willow Brook, Minn. | 200   |
| Spring, 1878  | Wright County, Minn.     | Clearwater Lake        | Mississippi River | Willow Brook, Minn. | 3,000 |
| Apr. 24, 1879 | Goodhue County, Minn.    | Mill-pond              | Mississippi River | Willow Brook, Minn. | 2,000 |
| May 13, 1879  | Stacy, Minn.             | Goose Creek            |                   | Willow Brook, Minn. | 3,000 |
| May 23, 1879  | Washington County, Minn. | Silver Lake            | Saint Croix River | Willow Brook, Minn. | 1,000 |
| June 20, 1879 | Mower County, Minn.      | Mary's Lake            | Mississippi River | Willow Brook, Minn. | 1,000 |
| June 24, 1879 | Watowwan County, Minn.   | Cedar Lakes            | Minnesota River   | Willow Brook, Minn. | 3,000 |
| July 1, 1879  | Reurville County, Minn.  | Lake Alley             | Minnesota River   | Willow Brook, Minn. | 2,000 |
| July 1, 1879  | Reurville County, Minn.  | Lake Preston           | Minnesota River   | Willow Brook, Minn. | 2,000 |
| July 21, 1879 | Martin County, Minn.     | Chain Lake             | Blue Earth River  | Willow Brook, Minn. | 5,000 |
| July 24, 1879 | Le Sueur County, Minn.   | Lake Letok             | Minnesota River   | Willow Brook, Minn. | 2,500 |
| July 24, 1879 | Le Sueur County, Minn.   | Lake Takota            | Minnesota River   | Willow Brook, Minn. | 2,500 |
| July 31, 1879 | Waseca County, Minn.     | Lake Elysian           | Minnesota River   | Willow Brook, Minn. | 5,000 |

D.—TABLE II.—Distribution of California salmon from 1873 to 1890, inclusive—Continued.

| State.            | Date.          | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—          | Where finally hatched. | Estimated number of fish. |
|-------------------|----------------|----------------------------------------|-----------------------------------|------------------------|------------------------|---------------------------|
| Minnesota—Cont'd. | Sept. 18, 1879 | Douglas County, Minn.                  | Lake                              | Minnesota River        | Willow Brook, Minn.    | 3,000                     |
|                   | Sept. 18, 1879 | Wright County, Minn.                   | Pelican Lake                      | Mississippi River      | Willow Brook, Minn.    | 3,000                     |
|                   | Oct. 23, 1879  | Washington County, Minn.               | Lake Elmo                         | Saint Croix River      | Willow Brook, Minn.    | 2,000                     |
|                   | Nov. 11, 1879  |                                        | Lake Koronis                      | Crow River             | Willow Brook, Minn.    | 3,000                     |
|                   | Nov. 11, 1879  | Stevens County, Minn.                  | Lake Foss                         | Pomme de Terre River   | Willow Brook, Minn.    | 2,000                     |
|                   | May 4, 1880    | Ortonville, Minn.                      | Big Stone Lake                    | Pomme de Terre River   | Willow Brook, Minn.    | 3,000                     |
|                   | June 3, 1880   | Nobles County, Minn.                   | Round Lake                        | Mississippi River      | Willow Brook, Minn.    | 4,000                     |
|                   | June 7, 1880   | Crookston, Minn.                       | Red Lake River                    | Red River of the North | Willow Brook, Minn.    | 4,000                     |
|                   | June 24, 1880  | Dakota County, Minn.                   | Twin Lakes                        | Mississippi River      | Willow Brook, Minn.    | 2,000                     |
|                   | July 1, 1880   | Blue Earth County, Minn.               | Crystal Lake                      | Minnesota River        | Willow Brook, Minn.    | 3,000                     |
|                   | July 12, 1880  | Waseca County, Minn.                   | Elysian Lake                      | Maple River            | Willow Brook, Minn.    | 4,000                     |
|                   | July 23, 1880  | Frazee City, Minn.                     | Other Tail River                  | Red River of the North | Willow Brook, Minn.    | 3,000                     |
|                   | July 23, 1880  | Lake Park, Minn.                       | Lake                              | Buffalo River          | Willow Brook, Minn.    | 1,000                     |
|                   | Aug. 30, 1880  | Minneapolis, Minn.                     | Mississippi River                 | Gulf of Mexico         | Willow Brook, Minn.    | 200                       |
|                   | Nov. 6, 1880   |                                        | Christmas Lake                    |                        | Willow Brook, Minn.    | 1,000                     |
| Mississippi       | Dec. 11, 1876  | Abbeville, Miss.                       | Yazoo River                       | Mississippi River      | Northville, Mich.      | 10,800                    |
|                   | Dec. 11, 1876  | Meridian, Miss.                        | Chickasaw River                   | Pascagoula River       | Northville, Mich.      | 15,200                    |
|                   | Dec. 11, 1876  | Jackson, Miss.                         | Forked Deer River                 | Pearl River            | Northville, Mich.      | 6,600                     |
| Missouri          | Dec. 12, 1876  | Kosciusko, Miss.                       | Pearl River                       | Lake Borgne            | Northville, Mich.      | 10,800                    |
|                   | Dec. 15, 1876  | Pacific, Mo.                           | Meramec River                     | Mississippi River      | Northville, Mich.      | 15,600                    |
|                   | Dec. 15, 1876  | Jerome, Mo.                            | Gasconade River                   | Missouri River         | Northville, Mich.      | 15,400                    |
|                   | Dec. —, 1876   | Pierce City, Mo.                       | Capo Creek                        |                        | Northville, Mich.      | 1,000                     |
|                   | Dec. —, 1876   | Pierce City, Mo.                       | Capo Creek                        |                        | Northville, Mich.      | 1,000                     |
|                   | Dec. —, 1876   | Franklin, Mo.                          | Meramec River                     | Mississippi River      | Anamosa, Iowa          | 75,000                    |
|                   | Dec. —, 1876   | Carthage, Mo.                          | Spring River                      | Arkansas River         | Anamosa, Iowa          | 75,000                    |
|                   | Dec. 18, 1879  | Wayne County, Mo.                      | Saint Francis River               | Mississippi River      | Cedar Rapids, Iowa     | 15,000                    |
|                   | Dec. 18, 1879  | Wayne County, Mo.                      | Black River                       | White River            | Cedar Rapids, Iowa     | 30,000                    |
|                   | Dec. 18, 1879  | Doniphan, Mo.                          | Current River                     | White River            | Cedar Rapids, Iowa     | 15,000                    |
|                   | Dec. 18, 1879  | Carthage, Mo.                          | Spring River                      | Arkansas River         | Cedar Rapids, Iowa     | 30,000                    |
|                   | Dec. 18, 1879  | Saint Mary, Mo.                        | Saline River                      | Mississippi River      | Cedar Rapids, Iowa     | 10,000                    |
|                   | —, 1879        | Franklin, Mo.                          | Meramec River                     | Mississippi River      | Cedar Rapids, Iowa     | 90,000                    |
|                   | Jan. 21, 1880  | Saint Joseph, Mo.                      | Missouri River                    | Mississippi River      | Saint Joseph, Mo.      | 20,000                    |
|                   | Jan. 24, 1880  | Buchanan County, Mo.                   | Lake Contrary                     | Missouri River         |                        | 20,000                    |
|                   | Feb. 9, 1880   | Platte County, Mo.                     | Sugar Lake                        | Missouri River         | Saint Joseph, Mo.      | 5,000                     |
|                   | Feb. 9, 1880   | Platte County, Mo.                     | Beau's Lake                       | Missouri River         | Saint Joseph, Mo.      | 5,000                     |
|                   | Feb. 22, 1880  | Buchanan County, Mo.                   | Platte River                      | Missouri River         | Saint Joseph, Mo.      | 5,000                     |
|                   | Feb. 22, 1880  | Buchanan County, Mo.                   | One-Hundred-and-Two River         | Platte River           | Saint Joseph, Mo.      | 5,000                     |
|                   | Feb. 24, 1880  | Gentry County, Mo.                     | Grand River                       | Missouri River         | Saint Joseph, Mo.      | 10,000                    |
|                   | Mar. 4, 1880   | Shelby County, Mo.                     | Salt River                        | Mississippi River      | Saint Joseph, Mo.      | 10,000                    |
|                   | Mar. 4, 1880   | Macon County, Mo.                      | Chariton River                    | Missouri River         | Saint Joseph, Mo.      | 10,000                    |
|                   | Mar. 4, 1880   | Jerome, Mo.                            | Gasconade River                   | Missouri River         | Saint Joseph, Mo.      | 10,000                    |
|                   | Mar. 15, 1880  | Lexington, Mo.                         | Missouri River                    | Mississippi River      | Saint Joseph, Mo.      | 10,000                    |
|                   | Mar. 19, 1880  | Independence, Mo.                      | Blue River                        |                        | Saint Joseph, Mo.      | 10,000                    |
|                   | Mar. 23, 1880  | Schell City, Mo.                       | Osgae River                       | Missouri River         | Saint Joseph, Mo.      | 10,000                    |

|                 |               |                                |                                   |                             |                             |         |
|-----------------|---------------|--------------------------------|-----------------------------------|-----------------------------|-----------------------------|---------|
| Nebraska.....   | Mar. 22, 1880 | Morgan County, Mo.....         | Lamine River.....                 | Missouri River.....         | Saint Joseph, Mo.....       | 10,000  |
|                 | Apr. 6, 1880  | Clinton County, Mo.....        | Smith's Fork of Platte River..... | Missouri River.....         | Saint Joseph, Mo.....       | 10,000  |
|                 | Apr. 11, 1880 | Buchanan County, Mo.....       | Missouri River.....               | Mississippi River.....      | Saint Joseph, Mo.....       | 15,000  |
|                 | June —, 1880  | Saint Joseph, Mo.....          | Hatchery Ponds.....               |                             | Saint Joseph, Mo.....       | 2,500   |
|                 | Jan. —, 1880  | Lincoln, Nebr.....             | Salt Creek.....                   | Platte River.....           | South Bend, Nebr.....       | 5,000   |
|                 | Jan. 21, 1880 | Beatrice, Nebr.....            | Big Blue River.....               | Kansas River.....           | South Bend, Nebr.....       | 5,000   |
|                 | Jan. 29, 1880 | McAdenville, Nebr.....         | Big Panillion.....                | Platte River.....           | South Bend, Nebr.....       | 6,000   |
|                 | Jan. —, 1880  | Otoe County, Nebr.....         | Four Mile Creek.....              | Little Nemaha River.....    | South Bend, Nebr.....       | 6,000   |
|                 | Jan. —, 1880  | North Platte, Nebr.....        | Birdwood Creek.....               | North Platte River.....     | South Bend, Nebr.....       | 5,000   |
|                 | Jan. —, 1880  | Clarkville, Nebr.....          | Prairie Creek.....                | Platte River.....           | South Bend, Nebr.....       | 5,000   |
|                 | Jan. —, 1880  | Fremont, Nebr.....             | Rawhide Creek.....                | Elkhorn River.....          | South Bend, Nebr.....       | 5,000   |
|                 | Jan. —, 1880  | Pebble, Nebr.....              | Pebble Creek.....                 | Elkhorn River.....          | South Bend, Nebr.....       | 5,000   |
|                 | Jan. —, 1880  | Crete, Nebr.....               | Big Blue River.....               | Kansas River.....           | South Bend, Nebr.....       | 5,000   |
|                 | Mar. —, 1879  | Reno, Nev.....                 | Truckee River.....                | Bear River.....             | McCloud River Station.....  | 190,000 |
|                 | Mar. —, 1879  | Carson River, Nev.....         | Mexican Dam.....                  | Carson River.....           | McCloud River Station.....  | 10,000  |
| Nevada.....     | Spring, 1876  | Warren, N. H.....              | Baker's River.....                | Merrimac River.....         | Winchester, Mass.....       | 50,000  |
|                 | Dec. 5, 1876  | Campton, N. H.....             | Pemigewasset River.....           | Merrimac River.....         | Winchester, Mass.....       | 40,000  |
|                 | Dec. 6, 1876  | Plymouth, N. H.....            | Pemigewasset River.....           | Merrimac River.....         | Winchester, Mass.....       | 40,000  |
|                 | Dec. 6, 1876  | Warren, N. H.....              | Baker's River.....                | Merrimac River.....         | Winchester, Mass.....       | 20,000  |
|                 | Dec. —, 1877  | Woodstock, N. H.....           | Headwaters.....                   | Merrimac River.....         | Winchester, Mass.....       | 10,000  |
|                 | Jan. 11, 1878 | Plymouth, N. H.....            | Baker's River.....                | Merrimac River.....         | Plymouth, N. H.....         | 20,000  |
|                 | Jan. 12, 1878 | Hillaborough Bridge, N. H..... | Contoocook River.....             | Merrimac River.....         | Plymouth, N. H.....         | 20,000  |
|                 | Jan. 14, 1878 | Campton, N. H.....             | Pemigewasset River.....           | Merrimac River.....         | Plymouth, N. H.....         | 30,000  |
|                 | Jan. 14, 1878 | Plymouth, N. H.....            | Pemigewasset River.....           | Merrimac River.....         | Plymouth, N. H.....         | 30,000  |
|                 | Feb. 1, 1879  | Campton, N. H.....             | Pemigewasset River.....           | Merrimac River.....         | Plymouth, N. H.....         | 158,500 |
|                 | Feb. 1, 1879  | Plymouth, N. H.....            | Pemigewasset River.....           | Merrimac River.....         | Plymouth, N. H.....         | 158,500 |
|                 | Mar. 14, 1879 | Wakefield, N. H.....           | Neweche-wanook Lake.....          | Salmon Falls.....           | Plymouth, N. H.....         | 5,000   |
|                 | Mar. 14, 1879 | Wilton, N. H.....              | Tri Echo Lake.....                | Salmon Falls.....           | Plymouth, N. H.....         | 5,000   |
|                 | Mar. 14, 1879 | Wakefield, N. H.....           | Lorewell's Pond.....              | Salmon Falls.....           | Plymouth, N. H.....         | 5,000   |
|                 | Mar. 14, 1879 | Brookfield, N. H.....          | Cook's Pond.....                  | Salmon Falls.....           | Plymouth, N. H.....         | 5,000   |
| New Jersey..... | Mar. 14, 1879 | Wolfborough, N. H.....         | Smith's Pond.....                 | Lake Winnepesaukee.....     | Plymouth, N. H.....         | 10,000  |
|                 | Mar. 14, 1879 | Hillaborough Bridge, N. H..... | Contoocook River.....             | Merrimac River.....         | Plymouth, N. H.....         | 20,000  |
|                 | Jan. 1, 1874  | Bloomsbury, N. J.....          | Delaware River.....               | Delaware Bay.....           | Bloomsbury, N. J.....       | 10,000  |
|                 | Jan. 10, 1874 | Bloomsbury, N. J.....          | Poatcong River.....               | Delaware River.....         | Bloomsbury, N. J.....       | 10,000  |
|                 | Jan. 13, 1874 | Raritan, N. J.....             | Pattenburgh Creek.....            | Raritan River.....          | Bloomsbury, N. J.....       | 12,000  |
|                 | Jan. 14, 1874 | Bloomsbury, N. J.....          | Poatcong River.....               | Delaware River.....         | Bloomsbury, N. J.....       | 13,000  |
|                 | Jan. 26, 1874 | Bloomsbury, N. J.....          | Musconetcong River.....           | Delaware River.....         | Bloomsbury, N. J.....       | 25,000  |
|                 | Feb. 6, 1874  | Bloomsbury, N. J.....          | Musconetcong River.....           | Delaware River.....         | Bloomsbury, N. J.....       | 30,000  |
|                 | Feb. 7, 1874  | Raritan, N. J.....             | Pattenburgh Creek.....            | Raritan River.....          | Bloomsbury, N. J.....       | 35,000  |
|                 | Feb. 14, 1874 | Bloomsbury, N. J.....          | Musconetcong River.....           | Delaware River.....         | Bloomsbury, N. J.....       | 50,000  |
|                 | Feb. 16, 1874 | Bloomsbury, N. J.....          | Ponds.....                        | Delaware River.....         | Bloomsbury, N. J.....       | 50,000  |
|                 | Jan. —, 1875  | Warren County, N. J.....       | Pequest River.....                | Delaware River.....         | Bloomsbury, N. J.....       | 50,000  |
|                 | Jan. —, 1875  | Hunterdon County, N. J.....    | Musconetcong River.....           | Delaware River.....         | Bloomsbury, N. J.....       | 50,000  |
|                 | Jan. —, 1875  | Hunterdon County, N. J.....    | South Branch, Raritan River.....  | Delaware River.....         | Bloomsbury, N. J.....       | 40,000  |
|                 | Jan. —, 1875  | Paterson, N. J.....            | Ramapo River.....                 | Passaic River.....          | Bloomsbury, N. J.....       | 2,000   |
|                 | Jan. —, 1875  | Hunterdon County, N. J.....    | North and South Branch.....       | Raritan River.....          | Bloomsbury, N. J.....       | 3,000   |
|                 | Nov. 28, 1876 | Tuckahoe, N. J.....            | Tuckahoe River.....               | Great Egg Harbor River..... | New York City Aquarium..... | 2,000   |
|                 | Dec. 1, 1876  | Dennisville, N. J.....         | Dennis Creek.....                 | Delaware Bay.....           | New York City Aquarium..... | 2,500   |
|                 | Dec. 4, 1876  | Allowaystown, N. J.....        | Alloway's Creek.....              | Delaware River.....         | New York City Aquarium..... | 2,000   |
|                 | Dec. 11, 1876 | Vineland, N. J.....            | Maurice River.....                | Delaware Bay.....           | New York City Aquarium..... | 2,500   |
|                 | Dec. 15, 1876 | May's Landing, N. J.....       | Great Egg Harbor River.....       | Great Egg Harbor.....       | New York City Aquarium..... | 3,000   |
|                 | Dec. 18, 1876 | Glaesborough, N. J.....        | Mantua Creek.....                 | Delaware River.....         | New York City Aquarium..... | 1,500   |

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.                | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—          | Where finally hatched. | Estimated number of fish. |
|-----------------------|---------------|----------------------------------------|-----------------------------------|------------------------|------------------------|---------------------------|
| New Jersey—Continued. | Dec. 20, 1876 | Woodstown, N. J.                       | Salem Creek                       | Delaware River         | New York City Aquarium | 3,000                     |
|                       | Dec. 22, 1876 | Swedesborough, N. J.                   | Oldman's Creek                    | Delaware River         | New York City Aquarium | 2,500                     |
|                       | Dec. 27, 1876 | Williamstown, N. J.                    | Great Egg Harbor River            | Great Egg Harbor       | New York City Aquarium | 3,500                     |
|                       | Jan. —, 1877  | Wenonah, N. J.                         | Mantua Creek                      | Delaware River         | New York City Aquarium | 12,000                    |
|                       | Jan. —, 1877  | Bloomfield, N. J.                      | Greenwood Lake                    | Walkill River          | New York City Aquarium | 2,000                     |
|                       | Feb. 1, 1877  | Weymouth, N. J.                        | Great Egg Harbor River            | Great Egg Harbor       | New York City Aquarium | 2,000                     |
|                       | Feb. 5, 1877  | Bridgeton, N. J.                       | Cohansey Creek                    | Delaware River         | New York City Aquarium | 2,500                     |
|                       | Feb. 16, 1877 | Burlington County, N. J.               | Mulliens River                    | Little Egg Harbor      | New York City Aquarium | 2,000                     |
|                       | Feb. 19, 1877 | Winslow, N. J.                         | Great Egg Harbor River            | Great Egg Harbor       | New York City Aquarium | 2,300                     |
|                       | Feb. 22, 1877 | Woodbury, N. J.                        | Woodbury Creek                    | Delaware River         | New York City Aquarium | 250                       |
|                       | Feb. 22, 1877 | Woodbury, N. J.                        | Timber Creek                      | Delaware River         | New York City Aquarium | 250                       |
|                       | Feb. 23, 1877 | Egg Harbor City, N. J.                 | Mulliens River                    | Little Egg Harbor      | New York City Aquarium | 2,000                     |
|                       | —, 1877       | Wenonah, N. J.                         | Mantua Creek                      | Delaware River         | New York City Aquarium | 11,000                    |
|                       | Dec. 8, 1877  | Cumberland County, N. J.               | Maurice River                     | Delaware Bay           | New Hope, Pa.          | 3,000                     |
|                       | Dec. 13, 1877 | Atlantic County, N. J.                 | Great Egg Harbor River            | Great Egg Harbor       | New Hope, Pa.          | 6,000                     |
|                       | Dec. 13, 1877 | Burlington County, N. J.               | Mulliens River                    | Little Egg Harbor      | New Hope, Pa.          | 6,000                     |
|                       | Dec. 17, 1877 | Gloucester County, N. J.               | Mantua Creek                      | Delaware River         | New Hope, Pa.          | 3,000                     |
|                       | Dec. 20, 1877 | Cumberland County, N. J.               | Cohansey Creek                    | Delaware River         | New Hope, Pa.          | 7,000                     |
|                       | Dec. 22, 1877 | Gloucester County, N. J.               | Mantua River                      | Delaware River         | New Hope, Pa.          | 1,000                     |
|                       | Dec. 22, 1877 | Gloucester County, N. J.               | Raccoon Creek                     | Delaware River         | New Hope, Pa.          | 1,000                     |
|                       | Dec. 22, 1877 | Gloucester County, N. J.               | Oldman's Creek                    | Delaware River         | New Hope, Pa.          | 3,000                     |
|                       | Dec. 24, 1877 | Gloucester County, N. J.               | Timber Creek                      | Delaware River         | New Hope, Pa.          | 6,000                     |
|                       | Dec. 26, 1877 | Burlington County, N. J.               | Mulliens River                    | Little Egg Harbor      | New Hope, Pa.          | 6,000                     |
|                       | Dec. 29, 1877 | Allowaystown, N. J.                    | Alloway's River                   | Delaware River         | New Hope, Pa.          | 3,000                     |
|                       | Jan. 3, 1878  | Burlington County, N. J.               | Mulliens River                    | Little Egg Harbor      | New Hope, Pa.          | 3,000                     |
|                       | Jan. 3, 1878  | Atlantic County, N. J.                 | Great Egg Harbor River            | Great Egg Harbor       | New Hope, Pa.          | 3,000                     |
|                       | Jan. 4, 1878  | Gloucester County, N. J.               | Mantua Creek                      | Delaware River         | New Hope, Pa.          | 1,000                     |
|                       | Jan. 7, 1878  | Cumberland County, N. J.               | Maurice River                     | Delaware Bay           | New Hope, Pa.          | 6,000                     |
|                       | Jan. 25, 1878 | Cape May County, N. J.                 | Tuckahoe River                    | Great Egg Harbor River | New Hope, Pa.          | 4,000                     |
|                       | Fall, 1878    | Trenton, N. J.                         | Shoemaker's Eddy                  | Delaware River         | Bloomsbury, N. J.      | 150,000                   |
|                       | Fall, 1878    | Atlantic County, N. J.                 | Great Egg Harbor River            | Great Egg Harbor       | Bloomsbury, N. J.      | 50,000                    |
|                       | Fall, 1878    | Salem County, N. J.                    | Alloway's Creek                   | Delaware River         | Bloomsbury, N. J.      | 25,000                    |
|                       | Fall, 1878    | Cumberland County, N. J.               | Maurice River                     | Delaware Bay           | Bloomsbury, N. J.      | 25,000                    |
|                       | Fall, 1878    | Gloucester County, N. J.               | Raccoon Creek                     | Delaware River         | Bloomsbury, N. J.      | 25,000                    |
|                       | Fall, 1878    | Burlington County, N. J.               | Mulliens River                    | Little Egg Harbor      | Bloomsbury, N. J.      | 25,000                    |
|                       | Fall, 1878    | Passaic County, N. J.                  | Greenwood Lake                    | Greenwood Lake         | Bloomsbury, N. J.      | 22,000                    |
|                       | Spring, 1879  | Somerset County, N. J.                 | North Branch                      | Raritan River          | Bloomsbury, N. J.      | 30,000                    |
|                       | Spring, 1879  | Somerset County, N. J.                 | Rockaway River                    | Passaic River          | Bloomsbury, N. J.      | 30,000                    |
|                       | Spring, 1879  | Bergen County, N. J.                   | Hackensack River                  | Newark Bay             | Bloomsbury, N. J.      | 30,000                    |
|                       | Spring, 1879  | Morris County, N. J.                   | Lake Hopatcong                    |                        | Bloomsbury, N. J.      | 5,000                     |
|                       | Spring, 1879  |                                        | Shaungum Lake                     |                        | Bloomsbury, N. J.      | 5,000                     |
|                       | Spring, 1879  |                                        | Silver Lake                       |                        | Bloomsbury, N. J.      | 3,000                     |
|                       | Spring, 1879  | Sussex County, N. J.                   | Swartswood Lake                   |                        | Bloomsbury, N. J.      | 10,000                    |

|               |                      |                        |                        |                   |                   |         |
|---------------|----------------------|------------------------|------------------------|-------------------|-------------------|---------|
| Spring, 1879  | Verona Lake          | Bloomsbury, N. J.      | 3, 000                 |                   |                   |         |
| Spring, 1879  | Cline's Pond         | Bloomsbury, N. J.      | 10, 000                |                   |                   |         |
| —, 1879       | Trenton, N. J.       | Shoemaker's Eddy       | Delaware River         | Bloomsbury, N. J. | 390, 000          |         |
| —, 1879       | Warren County, N. J. | Paulinskill Creek      | Delaware River         | Bloomsbury, N. J. | 30, 000           |         |
| Dec. 6, 1880  | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 30, 000           |         |
| Dec. 7, 1880  | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 30, 000           |         |
| Dec. 13, 1880 | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 30, 000           |         |
| Dec. 14, 1880 | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 30, 000           |         |
| Dec. 17, 1880 | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 30, 000           |         |
| Dec. 18, 1880 | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 30, 000           |         |
| Dec. 20, 1880 | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 30, 000           |         |
| Dec. 23, 1880 | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 30, 000           |         |
| Mar. 24, 1881 | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 14, 000           |         |
| Mar. 25, 1881 | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 14, 000           |         |
| Mar. 26, 1881 | Shoemaker's, Pa.     | Shoemaker's Eddy       | Delaware River         | State Hatchery    | 11, 400           |         |
| New York      | Dec. 22, 1873        | Monroe County, N. Y.   | Allen Creek            | Genesee River     | Caledonia, N. Y.  | 15, 000 |
|               | Dec. 23, 1873        |                        | Fortville Creek        | Hudson River      | Caledonia, N. Y.  | 24, 000 |
|               | Dec. 25, 1873        |                        | Beaver Creek           | Salmon River      | Caledonia, N. Y.  | 17, 000 |
|               | Dec. 26, 1873        |                        | Caledonia Springs      | Genesee River     | Caledonia, N. Y.  | 2, 000  |
|               | Dec. 27, 1873        | Liberty, N. Y.         | Cohocton River         | Susquehanna River | Caledonia, N. Y.  | 16, 000 |
|               | Dec. 29, 1873        |                        | Fish Creek             | Oswego River      | Caledonia, N. Y.  | 18, 000 |
|               | Dec. 30, 1873        | Monroe County, N. Y.   | Allen Creek            | Genesee River     | Caledonia, N. Y.  | 16, 000 |
|               | Jan. 6, 1874         |                        | Saugnot Creek          | Hudson River      | Caledonia, N. Y.  | 6, 000  |
|               | Jan. 6, 1874         |                        | Oriskany River         | Hudson River      | Caledonia, N. Y.  | 6, 000  |
|               | Jan. 19, 1874        | Queens County, N. Y.   |                        | Long Island Sound | Caledonia, N. Y.  | 4, 000  |
|               | Jan. 23, 1874        |                        | Brooklyn Waterworks    | Long Island Sound | Bloomsbury, N. J. | 30, 000 |
|               | Feb. 3, 1874         | Herkimer County, N. Y. | West Canada Creek      | Hudson River      | Caledonia, N. Y.  | 1, 500  |
|               | Feb. 5, 1874         | Dutchess County, N. Y. | Fishkill Lake          | Hudson River      | Caledonia, N. Y.  | 700     |
|               | Feb. 5, 1874         |                        | Silver Lake            | Hudson River      | Caledonia, N. Y.  | 800     |
|               | Feb. 10, 1874        |                        | Oneida Lake            | Oswego River      | Caledonia, N. Y.  | 13, 000 |
|               | Feb. 10, 1874        | Sayville, N. Y.        | Roosevelt Creek        | Long Island Sound | Caledonia, N. Y.  | 90, 000 |
|               | Feb. 14, 1874        | Herkimer County, N. Y. | Jacks Lake             | Hudson River      | Caledonia, N. Y.  | 1, 000  |
|               | Feb. 18, 1874        | Herkimer County, N. Y. | Mud or Hydraulic Lake  | Hudson River      | Caledonia, N. Y.  | 2, 000  |
|               | Feb. 18, 1874        | Herkimer County, N. Y. | West Canada Creek      | Hudson River      | Caledonia, N. Y.  | 1, 500  |
|               | Feb. 24, 1874        |                        | Cayuga Lake            | Oswego River      | Caledonia, N. Y.  | 6, 000  |
|               | Feb. 24, 1874        | Seneca County, N. Y.   | Seneca Lake            | Hudson River      | Caledonia, N. Y.  | 2, 000  |
|               | Feb. 24, 1874        | Chenango County, N. Y. | Round Lake             | Long Island Sound | Caledonia, N. Y.  | 2, 000  |
|               | Mar. 2, 1874         |                        | Honeoye Falls          | Genesee River     | Caledonia, N. Y.  | 500     |
|               | Mar. 3, 1874         | Herkimer County, N. Y. | Spruce Creek           | Hudson River      | Caledonia, N. Y.  | 2, 000  |
|               | Dec. 9, 1874         | Skaneateles, N. Y.     | Oswego River           | Lake Ontario      | Caledonia, N. Y.  | 21, 000 |
|               | Dec. 10, 1874        |                        | Fish Creek             | Oswego River      | Caledonia, N. Y.  | 20, 000 |
|               | Dec. 11, 1874        | Fulton, N. Y.          | Oswego River           | Lake Ontario      | Caledonia, N. Y.  | 2, 000  |
|               | Dec. 15, 1874        | Caledonia, N. Y.       | Caledonia Spring Creek | Genesee River     | Caledonia, N. Y.  | 6, 750  |
|               | Dec. 15, 1874        | Monroe County, N. Y.   | Allen Creek            | Genesee River     | Caledonia, N. Y.  | 25, 000 |
|               | Dec. 17, 1874        | Orleans County, N. Y.  | Oak Orchard Creek      | Lake Ontario      | Caledonia, N. Y.  | 30, 000 |
|               | Dec. 18, 1874        |                        | Oneida Lake            | Oswego River      | Caledonia, N. Y.  | 20, 000 |
|               | Dec. 21, 1874        | Fort Edward, N. Y.     | Fortville Creek        | Hudson River      | Caledonia, N. Y.  | 15, 000 |
|               | Dec. 21, 1874        | Fort Edward, N. Y.     | Peatwig Creek          | Hudson River      | Caledonia, N. Y.  | 15, 000 |
|               | Dec. 21, 1874        | Fort Edward, N. Y.     | Ingleby Creek          | Hudson River      | Caledonia, N. Y.  | 15, 000 |
|               | Dec. 22, 1874        | Caledonia, N. Y.       | Caledonia Spring Creek | Genesee River     | Caledonia, N. Y.  | 6, 750  |
|               | Dec. 25, 1874        | Orleans County, N. Y.  | Sandy Creek            | Lake Ontario      | Caledonia, N. Y.  | 10, 000 |
|               | Dec. 30, 1874        | Sand Bank, N. Y.       | Beaver Creek           | Salmon River      | Caledonia, N. Y.  | 10, 000 |

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.              | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—      | Where finally hatched. | Estimated number of fish. |
|---------------------|---------------|----------------------------------------|-----------------------------------|--------------------|------------------------|---------------------------|
| New York—Continued. | Dec. 30, 1874 |                                        | Mohawk River                      | Hudson River       | Caledonia, N. Y.       | 27, 000                   |
|                     | Jan. 2, 1875  | Livingston County, N. Y.               | Conesus Lake                      | Genesee River      | Caledonia, N. Y.       | 10, 000                   |
|                     | Jan. 9, 1875  | Onondaga County, N. Y.                 | Segnoit Creek                     | Mohawk River       | Caledonia, N. Y.       | 8, 000                    |
|                     | Jan. 11, 1875 |                                        | Mohawk River                      | Hudson River       | Caledonia, N. Y.       | 20, 000                   |
|                     | Jan. 24, 1875 | Caledonia, N. Y.                       | Caledonia Spring Creek            | Genesee River      | Caledonia, N. Y.       | 6, 750                    |
|                     | Feb. 24, 1875 | Chautauqua County, N. Y.               | Chautauqua Lake                   | Allegany River     | Caledonia, N. Y.       | 1, 000                    |
|                     | Mar. 2, 1875  | Caledonia, N. Y.                       | Caledonia Spring Creek            | Genesee River      | Caledonia, N. Y.       | 6, 750                    |
|                     | Mar. 2, 1875  | Skaneateles, N. Y.                     | Oswego River                      | Lake Ontario       | Caledonia, N. Y.       | 3, 000                    |
|                     | Mar. 15, 1875 | Monroe County, N. Y.                   | Allen Creek                       | Genesee River      | Caledonia, N. Y.       | 25, 000                   |
|                     | Jan. —, 1877  | Long Island, N. Y.                     | Conestogot River                  |                    | New York City Aquarium | 14, 000                   |
|                     | Jan. —, 1877  |                                        | Adirondack streams                |                    | New York City Aquarium | 8, 000                    |
|                     | Jan. —, 1877  | Roseton, N. Y.                         |                                   |                    | New York City Aquarium | 2, 000                    |
|                     | Jan. —, 1877  | Long Island, N. Y.                     | Great River                       |                    | New York City Aquarium | 2, 000                    |
|                     | Jan. —, 1877  | Sayville, N. Y.                        | Willow Brook                      | Hudson River       | New York City Aquarium | 200                       |
|                     | Jan. —, 1877  | Morrisania, N. Y.                      | Creek                             | Long Island Sound  | New York City Aquarium | 1, 000                    |
|                     | Jan. 7, 1878  | Caledonia, N. Y.                       | Caledonia Spring Creek            | Genesee River      | Caledonia, N. Y.       | 6, 000                    |
|                     | Jan. 12, 1878 | Wheatland, N. Y.                       | Spring Brook                      | Lake Ontario       | Caledonia, N. Y.       | 4, 000                    |
|                     | Jan. 17, 1878 | Tompkins County, N. Y.                 | Spring Creek                      | Caruga Lake        | Caledonia, N. Y.       | 35, 000                   |
|                     | Jan. 23, 1878 | Onondaga County, N. Y.                 | Spring Creek                      | Mohawk River       | Caledonia, N. Y.       | 1, 000                    |
|                     | Feb. 8, 1878  | Monroe County, N. Y.                   | Walter Creek                      | Genesee River      | Caledonia, N. Y.       | 1, 000                    |
|                     | Mar. 11, 1878 | Jefferson County, N. Y.                | Bowell Creek                      | Black River        | Caledonia, N. Y.       | 18, 000                   |
|                     | Apr. 11, 1878 | Monroe County, N. Y.                   | Spring Creek                      | Blue Pond          | Caledonia, N. Y.       | 35, 000                   |
|                     | Apr. 12, 1878 | Monroe County, N. Y.                   | Spring Brook                      | Lake Ontario       | Caledonia, N. Y.       | 1, 000                    |
|                     | Dec. 5, 1878  | Greene County, N. Y.                   | Catskill Creek                    | Hudson River       | Caledonia, N. Y.       | 20, 000                   |
|                     | Dec. 31, 1878 | Monroe County, N. Y.                   | Spring Creek                      | Genesee River      | Caledonia, N. Y.       | 10, 000                   |
|                     | Jan. 15, 1879 | Livingston County, N. Y.               | Spring Creek                      | Lake Ontario       | Caledonia, N. Y.       | 10, 000                   |
|                     | Feb. 26, 1879 | Ontario County, N. Y.                  | Spring Brook                      | Hemlock Lake       | Caledonia, N. Y.       | 36, 000                   |
|                     | Mar. 1, 1879  | Cayuga County, N. Y.                   | Spring Brook                      | Summer Hill Lake   | Caledonia, N. Y.       | 9, 000                    |
|                     | Mar. 11, 1879 | Livingston County, N. Y.               | Spring Creek                      | Lake Ontario       | Caledonia, N. Y.       | 1, 000                    |
| North Carolina.     | Jan. 9, 1877  | Third Creek Station, N. C.             | Yadkin River                      | Pedee River        | Baltimore, Md.         | 5, 500                    |
|                     | Jan. 10, 1877 | Grubham, N. C.                         | Ready Fork of Haw River           | Cape Fear River    | Baltimore, Md.         | 8, 000                    |
|                     | Jan. 10, 1877 | Charlotte, N. C.                       | Catawba River                     | Santee River       | Baltimore, Md.         | 5, 000                    |
|                     | Jan. 10, 1877 | Raleigh, N. C.                         | Neuse River                       | Pamlico Sound      | Baltimore, Md.         | 10, 000                   |
|                     | Dec. 15, 1877 | Salisbury, N. C.                       | Yadkin River                      | Pedee River        | Henry's, N. C.         | 60, 000                   |
|                     | Dec. 17, 1877 | Asheville, N. C.                       | Pigeon River                      | Tennessee River    | Henry's, N. C.         | 10, 000                   |
|                     | Dec. 21, 1877 | Marion, N. C.                          | Broad River                       | Santee River       | Henry's, N. C.         | 25, 000                   |
|                     | Dec. 22, 1877 | Buncombe County, N. C.                 | Swannanoa River                   | French Broad River | Henry's, N. C.         | 27, 000                   |
|                     | Jan. 1, 1878  | Jamestown, N. C.                       | Deep River                        | Cape Fear River    | Henry's, N. C.         | 15, 000                   |
|                     | Jan. 5, 1878  | Bridgewater, N. C.                     | Linville River                    | Catawba River      | Henry's, N. C.         | 12, 000                   |
|                     | Jan. 8, 1878  | Morganton, N. C.                       | Johns River                       | Catawba River      | Henry's, N. C.         | 30, 000                   |
|                     | Jan. 9, 1878  | Old Fort, N. C.                        | Catawba River                     | Wateree River      | Henry's, N. C.         | 50, 000                   |
|                     | Dec. 16, 1878 | Patterson's, N. C.                     | Yadkin River                      | Pedee River        | Henry's, N. C.         | 30, 000                   |
|                     | Dec. 18, 1878 | Patterson's, N. C.                     | Yadkin River                      | Pedee River        | Henry's, N. C.         | 30, 000                   |
|                     | Dec. 20, 1878 | Hendersonville, N. C.                  | Green River                       | Broad River        | Henry's, N. C.         | 30, 000                   |

|              |               |                       |                             |                      |                   |         |
|--------------|---------------|-----------------------|-----------------------------|----------------------|-------------------|---------|
|              | Dec. 27, 1878 | Jamestown, N. C.      | Bull Run Creek              | Cape Fear River      | Henry's, N. C.    | 20,000  |
|              | Dec. 31, 1878 | Jamestown, N. C.      | North Fork Deer River       | Cape Fear River      | Henry's, N. C.    | 24,500  |
|              | Jan. 2, 1879  | Friendship, N. C.     | North Fork Deep River       | Cape Fear River      | Henry's, N. C.    | 18,000  |
|              | Jan. 10, 1879 | Morganton, N. C.      | Johns River and Upper Creek | Catawba River        | Henry's, N. C.    | 30,000  |
|              | Jan. 11, 1879 | Bridgewater, N. C.    | Linsville River             | Catawba River        | Henry's, N. C.    | 30,000  |
|              | Jan. 13, 1879 | Danbury, N. C.        | Dan River                   | Roanoke River        | Henry's, N. C.    | 20,000  |
|              | Jan. 15, 1879 | Rickorynut Gap, N. C. | Broad River                 |                      | Henry's, N. C.    | 45,000  |
|              | Jan. 18, 1879 | Germanton, N. C.      | Town Creek                  | Roanoke River        | Henry's, N. C.    | 20,000  |
|              | Dec. 10, 1879 | Patterson's, N. C.    | Yadkin River                | Great Pedee River    | Morganton, N. C.  | 15,000  |
|              | Dec. 12, 1879 | Morganton, N. C.      | Johns River                 | Catawba River        | Morganton, N. C.  | 10,000  |
|              | Dec. 13, 1879 | Morganton, N. C.      | Linsville River             | Catawba River        | Morganton, N. C.  | 5,000   |
|              | Dec. 15, 1879 | Old Fort, N. C.       | Catawba River               | Watauga River        | Morganton, N. C.  | 5,000   |
|              | Dec. 19, 1879 | Salisbury, N. C.      | Yadkin River                | Great Pedee River    | Morganton, N. C.  | 5,000   |
|              | Dec. 19, 1879 | Newton, N. C.         | Clark's Creek               | Catawba River        | Morganton, N. C.  | 2,000   |
|              | Dec. 25, 1879 | Morganton, N. C.      | South Fork                  | Catawba River        | Morganton, N. C.  | 12,000  |
|              | Dec. --, 1879 | Raleigh, N. C.        | Ponds                       | Neuse River          | Morganton, N. C.  | 200     |
|              | Dec. --, 1879 |                       | Ponds                       |                      | Morganton, N. C.  | 300     |
|              | Dec. --, 1880 | Morganton, N. C.      | Catawba River               | Watauga River        | Morganton, N. C.  | 180,000 |
| Ohio         | Dec. 10, 1878 | Millbrook, Ohio       | Muskingum River             | Ohio River           | Caledonia, N. Y.  | 20,000  |
|              | --, 1878      | Castalia, Ohio        | Castalia Spring             |                      | Caledonia, N. Y.  | 4,000   |
|              | Jan. 13, 1874 | Ducynus, Ohio         | Sandusky River              | Lake Erie            | Caledonia, N. Y.  | 12,000  |
|              | Jan. 13, 1874 | Eagleville, Ohio      | Grand River                 | Lake Erie            | Caledonia, N. Y.  | 10,000  |
|              | Dec. 9, 1874  | Monroeville, Ohio     | Huron River                 | Lake Erie            | Northville, Mich. | 10,000  |
|              | Dec. 8, 1875  | Wapakoneta, Ohio      | Anguila River               | Lake Erie            | Northville, Mich. | 45,000  |
|              | Dec. 8, 1875  | Sidney, Ohio          | Little Miami River          | Ohio River           | Northville, Mich. | 105,000 |
|              | Jan. 1, 1877  |                       | Maumee River                | Lake Erie            | Northville, Mich. | 20,000  |
|              | May --, 1877  | Elmore, Ohio          | Portage River               | Lake Erie            | Northville, Mich. | 15,000  |
|              | May --, 1877  | South Toledo, Ohio    | Maumee River                | Lake Erie            | Northville, Mich. | 15,000  |
|              | Dec. 10, 1877 | Coshocton, Ohio       | Walhonding River            | Ohio River           | Toledo, Ohio      | 30,000  |
|              | Dec. 10, 1877 | Coshocton, Ohio       | Muskingum River             | Ohio River           | Toledo, Ohio      | 15,000  |
|              | Dec. 25, 1877 | Put-in-Bay, Ohio      | Lake Erie                   | Saint Lawrence River | Toledo, Ohio      | 40,000  |
|              | Dec. 25, 1877 | Castalia, Ohio        | Cold Creek                  | Lake Erie            | Toledo, Ohio      | 10,000  |
|              | Feb. --, 1878 | Columbus, Ohio        | Whitstone River             | Ohio River           | Toledo, Ohio      | 20,000  |
|              | Feb. --, 1878 | Newcomerstown, Ohio   | Tuscarawas River            | Ohio River           | Toledo, Ohio      | 30,000  |
|              | Mar. --, 1878 | Toledo, Ohio          | Maumee Rapids               | Lake Erie            | Toledo, Ohio      | 30,000  |
|              | Mar. --, 1878 | Defiance, Ohio        | Maumee River                | Lake Erie            | Toledo, Ohio      | 30,000  |
|              | Mar. --, 1878 | Huron, Ohio           | Huron River                 | Lake Erie            | Toledo, Ohio      | 30,000  |
|              | Mar. 10, 1879 | Dayton, Ohio          | Miami River                 | Ohio River           | Toledo, Ohio      | 15,000  |
|              | Apr. 23, 1879 | Geauga County, Ohio   | Newberry Pond               | Cuyahoga River       | Toledo, Ohio      | 1,000   |
|              | May 5, 1879   | Mount Vernon, Ohio    |                             | Muskingum River      | Toledo, Ohio      | 3,000   |
|              | May 6, 1879   | Licking County, Ohio  | Licking Reservoir           | Scioto River         | Toledo, Ohio      | 15,000  |
|              | --, 1879      | Castalia, Ohio        | Cold Creek                  | Lake Erie            | Toledo, Ohio      | 10,000  |
|              | Mar. --, 1880 | Fremont, Ohio         | Sandusky River              | Lake Erie            | Toledo, Ohio      | 20,000  |
|              | Mar. --, 1880 | Waterville, Ohio      | Maumee River                | Lake Erie            | Toledo, Ohio      | 35,000  |
|              | Spring, 1880  | Toledo, Ohio          | Spring Brook                | Lake Erie            | Toledo, Ohio      | 45,000  |
| Pennsylvania | Mar. 1, 1873  | Harrisburg, Pa.       | Susquehanna River           | Chesapeake Bay       | Bloomsbury, N. J. | 6,000   |
|              | Dec. 2, 1873  | Mechanicsburg, Pa.    | Yellow Breeches Creek       | Susquehanna River    | Bloomsbury, N. J. | 10,000  |
|              | Dec. 8, 1873  | Chambersburg, Pa.     | Conecocheague River         | Potomac River        | Marietta, Pa.     | 10,000  |
|              | Dec. 23, 1873 | Upper Paxton, Pa.     | Mahatonga River             | Susquehanna River    | Bloomsbury, N. J. | 10,000  |
|              | Jan. --, 1874 | Donegal, Pa.          | Donegal Springs             | Susquehanna River    | Bloomsbury, N. J. | 16,000  |
|              | Jan. 27, 1874 | Bellefonte, Pa.       | Bald Eagle River            | Susquehanna River    | Bloomsbury, N. J. | 15,000  |
|              | Jan. 30, 1874 | Bellefonte, Pa.       | Bald Eagle River            | Susquehanna River    | Bloomsbury, N. J. | 15,000  |

D.—TABLE II.—Distribution of California salmon from 1873 to 1880, inclusive—Continued.

| State.                  | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—     | Where finally hatched. | Estimated number of fish. |
|-------------------------|---------------|----------------------------------------|-----------------------------------|-------------------|------------------------|---------------------------|
| Pennsylvania—Continued. | Dec. 6, 1874  |                                        | Conedoguin Creek                  | Susquehanna River | Bloomsbury, N. J.      |                           |
|                         | Dec. 21, 1874 | Easton, Pa.                            | Bushkill Creek                    | Delaware River    | Marietta, Pa.          | 6,000                     |
|                         | Dec. 22, 1874 | Swatara, Pa.                           | Swatara River                     | Susquehanna River | Marietta, Pa.          | 60,000                    |
|                         | Dec. 28, 1874 | Williams Mill, Pa.                     | Yellow Breeches Creek             | Susquehanna River | Marietta, Pa.          | 30,000                    |
|                         | Fall, 1874    | Bellefonte, Pa.                        | Spring Creek                      | Bald Eagle Creek  | Bloomsbury, N. J.      | 30,000                    |
|                         | Fall, 1874    |                                        | Mahatonga River                   | Susquehanna River | Bloomsbury, N. J.      | 20,000                    |
|                         | Jan. 5, 1875  |                                        | Buffalo Creek                     | Susquehanna River | Bloomsbury, N. J.      | 12,000                    |
|                         | Jan. 5, 1875  |                                        | Pine Creek                        | Susquehanna River | Marietta, Pa.          | 10,000                    |
|                         | Fall, 1875    | Bushkill, Pa.                          | Delaware River                    | Delaware River    | Marietta, Pa.          | 15,000                    |
|                         | Fall, 1875    | Reading, Pa.                           | Schuylkill River                  | Delaware River    | Marietta, Pa.          | 60,000                    |
|                         | Fall, 1875    | Williams Mill, Pa.                     | Yellow Breeches Creek             | Susquehanna River | Marietta, Pa.          | 7,000                     |
|                         | Fall, 1875    | Lancaster County, Pa.                  | Chiquesalonga Creek               | Susquehanna River | Marietta, Pa.          | 30,000                    |
|                         | Fall, 1875    | Swatara, Pa.                           | Swatara River                     | Susquehanna River | Marietta, Pa.          | 15,000                    |
|                         | Fall, 1875    | Marietta, Pa.                          | Columbia Dam                      | Susquehanna River | Marietta, Pa.          | 30,000                    |
|                         | Fall, 1875    | Donegal, Pa.                           | Donegal Springs                   | Susquehanna River | Marietta, Pa.          | 60,000                    |
|                         | Nov. 10, 1875 |                                        |                                   |                   | Marietta, Pa.          | 8,000                     |
|                         | Spring, 1876  | Bushkill, Pa.                          | Bushkill Creek                    | Delaware River    | Baltimore, Md.         | 500                       |
|                         | Spring, 1876  | Williams Mill, Pa.                     | Yellow Breeches Creek             | Susquehanna River | Marietta, Pa.          | 200,000                   |
|                         | Spring, 1876  | Marietta, Pa.                          | Susquehanna River                 | Chesapeake Bay    | Marietta, Pa.          | 18,000                    |
|                         | Spring, 1876  | Columbia, Pa.                          | Susquehanna River                 | Chesapeake Bay    | Marietta, Pa.          | 30,000                    |
|                         | Spring, 1876  |                                        | Maiden Run                        | Susquehanna River | Marietta, Pa.          | 50,000                    |
|                         | Fall, 1876    | Brandywine, Pa.                        | Brandywine Creek                  | Delaware River    | Marietta, Pa.          | 5,000                     |
|                         | Fall, 1876    | Chickies, Pa.                          | Chiquesalonga Creek               | Susquehanna River | Marietta, Pa.          | 15,000                    |
|                         | Fall, 1876    | Swatara, Pa.                           | Swatara River                     | Susquehanna River | Marietta, Pa.          | 30,000                    |
|                         | Fall, 1876    |                                        | Stony Creek                       | Susquehanna River | Marietta, Pa.          | 50,000                    |
|                         | Fall, 1876    | Cumberland County, Pa.                 | Conedoguin Creek                  | Susquehanna River | Marietta, Pa.          | 20,000                    |
|                         | Fall, 1876    | Harrisburg, Pa.                        | Susquehanna River                 | Chesapeake Bay    | Marietta, Pa.          | 20,000                    |
|                         | Fall, 1876    | Wilkes Barre, Pa.                      | Bowman's Run                      | Susquehanna River | Marietta, Pa.          | 20,000                    |
|                         | Fall, 1876    |                                        | Maiden Creek                      | Susquehanna River | Marietta, Pa.          | 50,000                    |
|                         | Fall, 1876    | Greene County, Pa.                     |                                   | Monongahela River | Marietta, Pa.          | 5,000                     |
|                         | Jan. 6, 1877  | Bushkill, Pa.                          |                                   | Delaware River    | Marietta, Pa.          | 500                       |
|                         | Jan. 6, 1877  | Lancaster County, Pa.                  | Chiquesalonga Creek               | Susquehanna River | Marietta, Pa.          | 78,000                    |
|                         | Jan. 8, 1877  | Newville, Pa.                          | Spring Creek                      | Susquehanna River | Marietta, Pa.          | 32,000                    |
|                         | Jan. 9, 1877  | Newport, Pa.                           |                                   | Juniata River     | Marietta, Pa.          | 22,000                    |
|                         | Jan. 11, 1877 | Bushkill, Pa.                          |                                   | Delaware River    | Marietta, Pa.          | 20,000                    |
|                         | Jan. 22, 1877 | Perry County, Pa.                      | Trout Run                         | Juniata River     | Marietta, Pa.          | 23,000                    |
|                         | Jan. 23, 1877 | Swatara, Pa.                           | Swatara River                     | Susquehanna River | Marietta, Pa.          | 22,000                    |
|                         | Apr. 2, 1877  | Philadelphia, Pa.                      | Schuylkill River                  | Delaware River    | Marietta, Pa.          | 25,000                    |
|                         | May 11, 1877  | Marietta, Pa.                          |                                   | Susquehanna River | Marietta, Pa.          | 15,000                    |
|                         | May 12, 1877  | Marietta, Pa.                          |                                   | Susquehanna River | Marietta, Pa.          | 22,000                    |
|                         | May 12, 1877  | Marietta, Pa.                          |                                   | Susquehanna River | Marietta, Pa.          | 20,000                    |
|                         | May 14, 1877  | Lancaster County, Pa.                  | Chiquesalonga Creek               | Susquehanna River | Marietta, Pa.          | 13,000                    |
|                         | Dec. 28, 1877 | Snyder County, Pa.                     | Penn's Creek                      | Susquehanna River | Marietta, Pa.          | 20,000                    |
|                         | Dec. 28, 1877 | Chillisquaque, Pa.                     | North Branch                      | Susquehanna River | Marietta, Pa.          | 15,000                    |
|                         |               |                                        |                                   |                   | Marietta, Pa.          | 10,000                    |

|                |               |                          |                       |                         |                   |        |
|----------------|---------------|--------------------------|-----------------------|-------------------------|-------------------|--------|
|                | Jan. 15, 1878 | Easton, Pa.              | Boothkill Creek       | Delaware River          | Marietta, Pa.     | 20,000 |
|                | Jan. 18, 1878 | Wilkes Barre, Pa.        | Bowman's Creek        | Susquehanna River       | Marietta, Pa.     | 25,000 |
|                | Jan. 22, 1878 | Easton, Pa.              | Boothkill Creek       | Delaware River          | Marietta, Pa.     | 20,000 |
|                | Jan. 28, 1878 | Westport, Pa.            | Kettle Creek          | Susquehanna River       | Marietta, Pa.     | 15,000 |
|                | Mar. 22, 1878 | Pottstown, Pa.           |                       | Schuylkill River        | Marietta, Pa.     | 4,000  |
|                | Dec. 6, 1878  | Easton, Pa.              | Boothkill Creek       | Delaware River          | Marietta, Pa.     | 22,000 |
|                | Dec. 14, 1878 | Easton, Pa.              | Boothkill Creek       | Delaware River          | Marietta, Pa.     | 25,000 |
|                | Dec. 18, 1878 | Easton, Pa.              | Boothkill Creek       | Delaware River          | Marietta, Pa.     | 25,000 |
|                | Dec. 26, 1878 | Reading, Pa.             | Schuylkill River      | Delaware River          | Marietta, Pa.     | 25,000 |
|                | Dec. 28, 1878 | William's Mill, Pa.      | Yellow Breaches Creek | Susquehanna River       | Marietta, Pa.     | 25,000 |
|                | Jan. 9, 1879  | Lewisburg, Pa.           | Buffalo Creek         | Susquehanna River       | Marietta, Pa.     | 25,000 |
|                | Jan. 11, 1879 | Williamsport, Pa.        | Trout Run             | Susquehanna River       | Marietta, Pa.     | 25,000 |
|                | Jan. 24, 1879 | Wilkes Barre, Pa.        | Bowman's Creek        | Susquehanna River       | Marietta, Pa.     | 16,000 |
|                | Spring, 1879  | Cameron County, Pa.      | Driftwood Brook       |                         | Corry, Pa.        | 28,000 |
|                | Spring, 1879  | Potter County, Pa.       | Sinnemahoning Creek   |                         | Corry, Pa.        | 2,000  |
|                | Dec. 9, 1879  | Easton, Pa.              | Boothkill Creek       | Delaware River          | Marietta, Pa.     | 20,000 |
|                | Dec. 11, 1879 | Tyrone, Pa.              | Juniata River         | Susquehanna River       | Marietta, Pa.     | 18,000 |
|                | Dec. 15, 1879 | Mifflinburg, Pa.         | Penn Creek            | Susquehanna River       | Marietta, Pa.     | 20,000 |
|                | Dec. 17, 1879 | Easton, Pa.              | Boothkill Creek       | Delaware River          | Marietta, Pa.     | 20,000 |
|                | Dec. 19, 1879 | William's Mill, Pa.      | Yellow Breaches Creek | Susquehanna River       | Marietta, Pa.     | 18,000 |
|                | Feb. 26, 1880 | Dallas, Pa.              | Harvey's Lake         | Susquehanna River       | Marietta, Pa.     | 8,000  |
|                | Feb. 26, 1880 | Wilkes Barre, Pa.        | Bear Lake             | Delaware River          | Marietta, Pa.     | 8,000  |
|                | Mar. 10, 1880 | Marietta, Pa.            | Susquehanna River     | Chesapeake Bay          | Marietta, Pa.     | 18,000 |
|                | Spring, 1880  | Cameron County, Pa.      | Driftwood Brook       | Sinnemahoning Creek     | Corry, Pa.        | 10,000 |
|                | Spring, 1880  | Cameron County, Pa.      | Driftwood Brook       | Sinnemahoning Creek     | Corry, Pa.        | 62,000 |
|                | Spring, 1880  | Blair County, Pa.        | Juniata River         | Susquehanna River       | Corry, Pa.        | 15,000 |
| Rhode Island   | Fall of 1874  | Providence County, R. I. | Slatersville Branch   | Blackstone River        | Ponaganset, R. I. | 12,000 |
|                | Fall of 1874  | Providence County, R. I. | Pawtuxet River        | Providence River        | Ponaganset, R. I. | 35,000 |
|                | Fall of 1874  | Washington County, R. I. | Pawcatuck River       | Little Narragansett Bay | Ponaganset, R. I. | 20,000 |
|                | Fall of 1874  | Washington County, R. I. | Artificial ponds      | Pawcatuck River         | Ponaganset, R. I. | 1,000  |
|                | Fall of 1875  | West Greenwich, R. I.    | Wood River            | Pawcatuck River         | Ponaganset, R. I. | 10,000 |
|                | Fall of 1875  | Washington County, R. I. | Pawcatuck River       | Little Narragansett Bay | Ponaganset, R. I. | 10,000 |
|                | Fall of 1875  | Providence County, R. I. | Slatersville Branch   | Blackstone River        | Ponaganset, R. I. | 15,000 |
|                | Fall of 1875  | Providence County, R. I. | Pawtuxet River        | Providence River        | Ponaganset, R. I. | 80,000 |
|                | Jan. 10, 1877 | Gaffney City, S. C.      | Broad River           | Santee River            | Baltimore, Md.    | 5,000  |
|                | Jan. 11, 1877 | Branchville, S. C.       | Edisto River          |                         | Baltimore, Md.    | 4,000  |
| South Carolina | Jan. 11, 1877 | Charleston, S. C.        | Cooper River          | Charleston Bay          | Baltimore, Md.    | 2,000  |
|                | Dec. 28, 1878 | Seneca, S. C.            | Seneca River          | Savannah River          | Baltimore, Md.    | 4,000  |
|                | Jan. 7, 1879  | Charlotte, N. C.         | Catawba River         | Wateree River           | Baltimore, Md.    | 1,500  |
|                | Jan. 7, 1879  | Columbia, S. C.          | Broad River           | Santee River            | Baltimore, Md.    | 4,500  |
|                | Jan. 7, 1879  | Spartanburg C. H., S. C. | Packletts River       | Broad River             | Baltimore, Md.    | 4,500  |
|                | Jan. 7, 1879  | Greenville C. H., S. C.  | Saluda River          | Santee River            | Baltimore, Md.    | 4,500  |
|                | Jan. 7, 1879  | Orangeburg C. H., S. C.  | Edisto River          |                         | Baltimore, Md.    | 5,000  |
|                | Jan. 8, 1879  | Charleston County, S. C. | Cooper River          | Charleston Bay          | Baltimore, Md.    | 5,000  |
|                | 1879          |                          | Knoles River          | Broad River             | Morganton, N. C.  | 5,000  |
|                | 1879          |                          | Saluda River          | Santee River            | Morganton, N. C.  | 3,000  |
|                | 1879          |                          | Seneca River          | Savannah River          | Morganton, N. C.  | 3,000  |
|                | 1879          |                          | Mossy Creek           | Broad River             | Morganton, N. C.  | 3,000  |
|                | 1879          |                          | Little River          | Savannah River          | Morganton, N. C.  | 2,000  |
|                | 1879          |                          | Martins Creek         | Savannah River          | Morganton, N. C.  | 3,000  |
|                | 1879          |                          | Tugaloo River         | Savannah River          | Morganton, N. C.  | 5,000  |
|                | 1879          |                          | Pedee River           |                         | Morganton, N. C.  | 7,000  |

D.—TABLE II.—*Distribution of California salmon from 1873 to 1890, inclusive—Continued.*

| State.                        | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—     | Where finally hatched. | Estimated number of fish. |
|-------------------------------|---------------|----------------------------------------|-----------------------------------|-------------------|------------------------|---------------------------|
| South Carolina—<br>Continued. | Spring, 1880  |                                        | Enoree River                      | Broad River       | Morganton, N. C.       | 5,000                     |
|                               | Spring, 1880  | Greenville C. H., S. C.                | Saluda River                      | Santee River      | Morganton, N. C.       | 3,000                     |
|                               | Spring, 1880  | Seneca, S. C.                          | Seneca River                      | Savannah River    | Morganton, N. C.       | 3,000                     |
|                               | Spring, 1880  |                                        | Mossy Creek                       | Broad River       | Morganton, N. C.       | 3,000                     |
|                               | Spring, 1880  |                                        | Little River                      | Broad River       | Morganton, N. C.       | 2,000                     |
|                               | Spring, 1880  |                                        | Martins Creek                     | Savannah River    | Morganton, N. C.       | 3,000                     |
|                               | Spring, 1880  |                                        | Tugaloo River                     | Savannah River    | Morganton, N. C.       | 5,000                     |
|                               | Spring, 1880  |                                        | Pedee River                       |                   | Morganton, N. C.       | 7,000                     |
|                               | 1880          |                                        | Broad River                       | Santee River      | Morganton, N. C.       | 25,000                    |
|                               | 1880          | Seneca, S. C.                          | Seneca River                      | Savannah River    | Morganton, N. C.       | 25,000                    |
|                               | 1880          |                                        | Wateree River                     | Santee River      | Morganton, N. C.       | 30,000                    |
|                               | 1880          |                                        | Saluda River                      | Santee River      | Morganton, N. C.       | 25,000                    |
|                               | 1880          |                                        | Edisto River                      |                   | Morganton, N. C.       | 20,000                    |
|                               | 1880          |                                        | Black River                       | Pedee River       | Morganton, N. C.       | 20,000                    |
|                               | 1880          |                                        | Three Runs                        | Savannah River    | Morganton, N. C.       | 12,000                    |
|                               | Dec. 25, 1875 | Memphis, Tenn.                         | Wolf River                        | Mississippi River | Northville, Mich.      | 40,000                    |
|                               | Dec. 10, 1876 | Humboldt, Tenn.                        | Forked Deer River                 | Mississippi River | Northville, Mich.      | 2,200                     |
|                               | Dec. 10, 1876 | Jackson, Tenn.                         | Forked Deer River                 | Mississippi River | Northville, Mich.      | 12,400                    |
|                               | Dec. 22, 1876 | Chock Creek, Tenn.                     | French Broad River                | Tennessee River   | Baltimore, Md.         | 5,000                     |
|                               | Dec. 22, 1876 | Athens, Tenn.                          | Eastannaltee River                | Tennessee River   | Baltimore, Md.         | 5,000                     |
| Tennessee                     | Dec. 25, 1876 | Jackson, Tenn.                         | Forked Deer River                 | Mississippi River | Northville, Mich.      | 12,400                    |
|                               | Dec. —, 1874  | Hempstead, Tex.                        | Clear Creek                       | Brazos River      | Niles, Mich.           | 2,000                     |
|                               | Dec. —, 1874  | Austin, Tex.                           |                                   | Colorado River    | Niles, Mich.           | 12,000                    |
|                               | 1873-1875     |                                        | Streams                           |                   | Niles, Mich.           | 180,000                   |
| Texas                         | Dec. 10, 1876 | Hempstead, Tex.                        | Clear Creek                       | Brazos River      | Northville, Mich.      | 2,000                     |
|                               | Dec. 11, 1876 | Austin, Tex.                           |                                   | Colorado River    | Northville, Mich.      | 18,000                    |
| Utah                          | Aug. —, 1873  | Jordan, Utah                           | Jordan River                      | Great Salt Lake   | Jordan, Utah           | 32,000                    |
|                               | Oct. —, 1874  | Jordan, Utah                           | Jordan River                      | Great Salt Lake   | Jordan, Utah           | 185,900                   |
|                               | Nov. —, 1875  | Jordan, Utah                           | Jordan River                      | Great Salt Lake   | Jordan, Utah           | 112,000                   |
|                               | Fall of 1876  | Weber County, Utah                     | Ogden River                       | Great Salt Lake   | Jordan, Utah           | 1,750                     |
|                               | Fall of 1876  | Weber County, Utah                     | Weber River                       | Great Salt Lake   | Jordan, Utah           | 1,750                     |
|                               | Fall of 1876  | Cache County, Utah                     | Blacksmith's Fork                 | Lower Bear River  | Jordan, Utah           | 8,000                     |
|                               | Fall of 1876  | Box Elder County, Utah                 | Box Elder Creek                   |                   | Jordan, Utah           | 4,000                     |
|                               | Fall of 1876  | Tooele County, Utah                    | Twin Spring Creek                 |                   | Jordan, Utah           | 2,500                     |
|                               | Fall of 1876  | Rich County, Utah                      | Upper Bear River                  | Great Salt Lake   | Jordan, Utah           | 11,000                    |
|                               | Fall of 1875  | Juab County, Utah                      | Silver Creek                      |                   | Jordan, Utah           | 4,000                     |
|                               | Fall of 1876  | Davis County, Utah                     | Jenning's Pond                    | Great Salt Lake   | Jordan, Utah           | 1,200                     |
|                               | Fall of 1877  | Davis County, Utah                     | Jenning's Pond                    | Great Salt Lake   | Jordan, Utah           | 2,000                     |
|                               | Fall of 1877  | Utah County, Utah                      | Mill Creek                        | Jordan River      | Jordan, Utah           | 18,000                    |
|                               | Fall of 1877  | Jordan, Utah                           | Jordan River                      | Great Salt Lake   | Jordan, Utah           | 57,000                    |
|                               | Spring, 1879  | White's Bridge, Utah                   | Jordan River                      | Great Salt Lake   | Jordan, Utah           | 32,000                    |
|                               | Spring, 1879  | Forrest Farm, Utah                     | Spring Creek                      | Jordan River      | Jordan, Utah           | 2,300                     |
|                               | Spring, 1879  | Tooele County, Utah                    | Twin Spring Creek                 |                   | Jordan, Utah           | 4,000                     |
|                               | Spring, 1879  | Sanpete County, Utah                   | San Pitch River                   | Sevier River      | Jordan, Utah           | 1,800                     |
|                               | Spring, 1879  | Salt Lake County, Utah                 | Mill Creek                        | Jordan River      | Jordan, Utah           | 4,000                     |



D.—TABLE II.—*Distribution of California salmon from 1873 to 1880, inclusive—Continued.*

| State.                              | Date.         | Nearest post-office, town, or village. | Waters in which fish were placed. | Tributary of—     | Where finally hatched. | Estimated number of fish. |
|-------------------------------------|---------------|----------------------------------------|-----------------------------------|-------------------|------------------------|---------------------------|
| Virginia—Cont'd<br>West Virginia... | Jan. 31, 1880 | Wytheville, Va.                        | Totes Run                         | New River         | Wytheville, Va.        | 2,000                     |
|                                     | Jan. —, 1874  | Romney, W. Va.                         | South Fork                        | Potomac River     | Bloomsbury, N. J.      | 15,000                    |
|                                     | Dec. 31, 1875 | Sir John's Run, W. Va.                 | Potomac River                     | Chesapeake Bay    | Baltimore, Md.         | 13,000                    |
|                                     | Dec. 27, 1876 | Keyser, W. Va.                         | Potomac River                     | Chesapeake Bay    | Baltimore, Md.         | 25,000                    |
|                                     | Dec. 28, 1876 | Clarksburgh, W. Va.                    | West Fork                         | Monongahela River | Baltimore, Md.         | 8,000                     |
|                                     | Feb. 1, 1877  | Cherry Run Depot, W. Va.               | Cherry Run                        | Potomac River     |                        | 14,000                    |
|                                     | Nov. 22, 1877 | Piedmont, W. Va.                       | Potomac River                     | Chesapeake Bay    |                        | 15,000                    |
|                                     | Dec. —, 1877  | Wheeling, W. Va.                       |                                   |                   |                        | 10,000                    |
|                                     | Dec. 5, 1877  | Sir John's Run, W. Va.                 | Potomac River                     | Chesapeake Bay    |                        | 25,000                    |
|                                     | Dec. 7, 1877  | West Union, W. Va.                     | Middle Island Creek               | Ohio River        | Wheeling, W. Va.       | 3,300                     |
|                                     | Dec. 7, 1877  | Littleton, W. Va.                      | Fish Creek                        | Ohio River        | Wheeling, W. Va.       | 3,300                     |
|                                     | Dec. 7, 1877  | Wheeling, W. Va.                       | Wheeling Creek                    | Ohio River        | Wheeling, W. Va.       | 3,275                     |
|                                     | Mar. 22, 1878 | Sir John's Run, W. Va.                 | Potomac River                     | Chesapeake Bay    |                        | 12,000                    |
|                                     | Mar. 26, 1878 | Keyser, W. Va.                         | Potomac River                     | Chesapeake Bay    |                        | 20,000                    |
|                                     | Nov. —, 1878  | West Union, W. Va.                     | Middle Island Creek               | Ohio River        | Wheeling, W. Va.       | 25,000                    |
|                                     | Nov. —, 1878  | Pennsborough, W. Va.                   | Hugh's River                      | Ohio River        | Wheeling, W. Va.       | 25,000                    |
|                                     | Nov. —, 1878  | Wakersville, W. Va.                    | West Fork Monongahela River       | Ohio River        | Wheeling, W. Va.       | 25,000                    |
|                                     | Nov. —, 1878  | Erving's Mill, W. Va.                  | Little Kanawha River              | Ohio River        | Wheeling, W. Va.       | 25,000                    |
|                                     | Nov. 9, 1878  | Ronceverte, W. Va.                     | Greenbrier River                  | Ohio River        | Wheeling, W. Va.       | 63,000                    |
|                                     | Nov. 9, 1878  | Caldwell, W. Va.                       | Greenbrier River                  | Ohio River        | Wheeling, W. Va.       | 88,000                    |
|                                     | Nov. —, 1878  | Lewisburgh, W. Va.                     | Sinking Creek                     | Ohio River        | Wheeling, W. Va.       | 2,000                     |
|                                     | Nov. —, 1878  | Charleston, W. Va.                     | Kanawha River                     | Ohio River        | Wheeling, W. Va.       | 60,000                    |
|                                     | Nov. —, 1878  |                                        |                                   | Potomac River     |                        | 40,000                    |
|                                     | Dec. 4, 1878  |                                        |                                   | Potomac River     | Baltimore, Md.         | 20,000                    |
|                                     | Dec. —, 1878  | Mannington, W. Va.                     | Fishing Creek                     | Ohio River        | Wheeling, W. Va.       | 37,500                    |
|                                     | Dec. 4, 1878  | Littleton, W. Va.                      | Fish Creek                        | Ohio River        | Wheeling, W. Va.       | 37,500                    |
|                                     | Dec. —, 1878  | Cold Spring, W. Va.                    | Wheeling Creek                    | Ohio River        | Wheeling, W. Va.       | 25,000                    |
|                                     | Dec. —, 1878  | Bethany, W. Va.                        | Buffalo Creek                     | Ohio River        | Wheeling, W. Va.       | 25,000                    |
|                                     | Dec. —, 1878  | Fairview, W. Va.                       | King's Creek                      | Ohio River        | Wheeling, W. Va.       | 25,000                    |
|                                     | Dec. 10, 1879 | Harper's Ferry, W. Va.                 | Potomac River                     | Chesapeake Bay    | Druid Hill, Md.        | 15,000                    |
|                                     | Jan. 1, 1880  | Keyser, W. Va.                         | Potomac River                     | Chesapeake Bay    | Druid Hill, Md.        | 8,000                     |
|                                     | 1873-1880     | Burton, W. Va.                         | Fish Creek                        | Ohio River        | Wheeling, W. Va.       | 20,000                    |
|                                     | 1873-1880     | Bethany, W. Va.                        | Buffalo Creek                     | Ohio River        | Wheeling, W. Va.       | 20,000                    |
|                                     | 1873-1880     | Parkersburgh, W. Va.                   |                                   | Ohio River        | Wheeling, W. Va.       | 5,000                     |
|                                     | 1873-1880     | Littleton, W. Va.                      | Fish Creek                        | Ohio River        | Wheeling, W. Va.       | 35,000                    |
|                                     | 1873-1880     | Bellton, W. Va.                        | Fish Creek                        | Ohio River        | Wheeling, W. Va.       | 40,000                    |
|                                     | 1873-1880     | Hampshire County, W. Va.               | Tributaries of                    | Potomac River     | Wheeling, W. Va.       | 19,500                    |
|                                     | 1873-1880     | Grant County, W. Va.                   | Laney's Creek                     |                   | Wheeling, W. Va.       | 20,000                    |
|                                     | 1873-1880     | Grant County, W. Va.                   | William's Ponds                   |                   | Wheeling, W. Va.       | 3,500                     |
|                                     | 1873-1880     | Barbour County, W. Va.                 | Tygart's Valley River             |                   | Wheeling, W. Va.       | 5,000                     |
|                                     | 1873-1880     | Randolph County, W. Va.                | Tygart's Valley River             |                   | Wheeling, W. Va.       | 5,000                     |
|                                     | 1873-1880     | Marion County, W. Va.                  |                                   |                   | Wheeling, W. Va.       | 2,000                     |
|                                     | 1873-1880     | Mineral County, W. Va.                 |                                   | Potomac River     | Wheeling, W. Va.       | 500                       |
|                                     | 1873-1880     | Jefferson County, W. Va.               |                                   | Potomac River     | Wheeling, W. Va.       | 1,000                     |
|                                     | 1873-1880     | Hampshire County, W. Va.               |                                   | Potomac River     | Wheeling, W. Va.       | 800                       |

Wisconsin .....

|               |                          |                     |                   |         |
|---------------|--------------------------|---------------------|-------------------|---------|
| 1879-1880     | Hampshire County, W. Va. | Potomac River       | Wheeling, W. Va.  | 200     |
| 1879-1880     | Greenbrier River         | Kanawha River       | Wheeling, W. Va.  | 10,000  |
| 1879-1880     | Ronceverte, W. Va.       | Kanawha River       | Wheeling, W. Va.  | 12,000  |
| 1879-1880     | Hinton, W. Va.           | Ohio River          | Wheeling, W. Va.  | 10,000  |
| 1879-1880     | Charleston, W. Va.       | Kanawha River       | Wheeling, W. Va.  | 10,000  |
| 1874          | Grant County, Wis.       | Mississippi River   | Boscobel, Wis.    | 6,000   |
| 1874          | Crawford County, Wis.    | Mississippi River   | Boscobel, Wis.    | 6,000   |
| 1874          | La Fayette County, Wis.  | Mississippi River   | Boscobel, Wis.    | 7,000   |
| Dec. —, 1874  | Green Lake County, Wis.  | Green Lake          | Boscobel, Wis.    | 10,000  |
| 1875          | Walworth, Wis.           | Genera Lake         | White River       | 25,000  |
| Jan. 17, 1876 | Walworth, Wis.           | Tributaries         | Mississippi River | 22,000  |
| 1876          | Walworth, Wis.           | Genera Lake         | White River       | 60,000  |
| Jan. 17, 1877 | Genera, Wis.             | Genera Lake         | White River       | 15,000  |
| 1877          | Sauk County, Wis.        | Spirit Lake         | Wisconsin River   | 10,000  |
| 1877          | Walworth County, Wis.    | Genera Lake         | White River       | 15,000  |
| 1877          | Waukegan County, Wis.    | Wautoma Lake        | For River         | 6,000   |
| 1877          | Waukesha County, Wis.    | Oconomowoc Lake     | Oconomowoc Creek  | 4,000   |
| 1877          | Dane County, Wis.        | Mendota Lake        | Catfish River     | 15,600  |
| 1877          | Racine County, Wis.      | Brown's Lake        | Lake Michigan     | 2,400   |
| 1877          | Chippewa County, Wis.    | Three-Mile Lake     | Chippewa River    | 8,500   |
| 1877          | Madison, Wis.            | Pond at hatching    | Catfish River     | 8,000   |
| 1877          | Richland Centre, Wis.    | Pine River          | Wisconsin River   | 2,000   |
| Oct. 5, 1877  | Boscobel, Wis.           | Streams             | Wisconsin River   | 6,000   |
| Oct. 18, 1877 | Madison, Wis.            | Mendota Lake        | Catfish River     | 6,000   |
| Jan. 18, 1878 | Madison, Wis.            | Creek               | Mendota Lake      | 50      |
| Mar. 22, 1878 | Lodi, Wis.               | Spring Creek        | Wisconsin River   | 15,000  |
| Mar. 23, 1878 | Poyette, Wis.            |                     | Wisconsin River   | 15,000  |
| Mar. 24, 1878 | Hartman, Wis.            |                     | Wisconsin River   | 12,000  |
| Apr. 4, 1878  | Boscobel, Wis.           | Streams             | Wisconsin River   | 600     |
| Apr. 27, 1878 | Walworth County, Wis.    | Perch Lake          |                   | 5,000   |
| Apr. 29, 1878 | Walworth County, Wis.    | Boothe's Creek      |                   | 10,000  |
| June 13, 1878 | Portage, Wis.            | Silver Lake         | Wisconsin River   | 150     |
| June 13, 1878 | Portage, Wis.            | Wisconsin River     | Mississippi River | 8,000   |
| 1878          | Walworth County, Wis.    | Genera Lake         | White River       | 200,000 |
| 1879          | Tunnel City, Wis.        | Lemonweir River     | Wisconsin River   | 4,000   |
| 1879          | Richfield, Wis.          | Cedar Creek         | Milwaukee River   | 5,000   |
| 1879          | Brodhead, Wis.           | Sugar River         | Rock River        | 10,000  |
| 1879          | Tomah, Wis.              | Lemonweir River     | Wisconsin River   | 2,100   |
| 1879          |                          | Ponds (Mr. Labar's) |                   | 1,000   |
| 1879          | Clear Lake, Wis.         | Willow River        | Mississippi River | 1,500   |
| 1879          | Tunnel City, Wis.        | Lemonweir River     | Wisconsin River   | 60      |
| 1879          | Sparta, Wis.             | La Crosse River     | Mississippi River | 15,000  |
| 1879          |                          | (D. Anthony)        |                   | 1,000   |
| 1879          |                          | Mr. Severance       |                   | 1,000   |
| 1879          |                          | Fish Lake           | Red Cedar River   | 250     |
| 1879          |                          | Pond (D. Sykes)     |                   | 800     |
| 1879          |                          | Nagawicka Lake      | Menominee River   | 1,500   |
| 1879          | Racine County, Wis.      | Brown's Lake        |                   | 5,000   |
| 1879          |                          | Nine Springs Creek  |                   | 3,000   |
| 1879          | Walworth County, Wis.    | Genera Lake         | White River       | 200,000 |
| Dec. 15, 1880 | Genera, Wis.             | Creek               | Genera Lake       | 90,000  |

D.—TABLE III.—*Distribution of Schoodic salmon from 1874 to 1880, inclusive.*

| State.            | Date. | Locality.                       | Waters in which fish were placed. | Tributary of—       | Where finally hatched.            | Number of fish. |
|-------------------|-------|---------------------------------|-----------------------------------|---------------------|-----------------------------------|-----------------|
| California .....  | 1878  | Nevada County, Cal. ....        | Donner Lake .....                 | Truckee River ..... | San Leandro, Cal. ....            | 5,000           |
|                   | 1878  | Placer County, Cal. ....        | Sereno Lake .....                 |                     | San Leandro, Cal. ....            | 5,000           |
|                   | 1878  | San Mateo County, Cal. ....     | Felch's Lake .....                |                     | San Leandro, Cal. ....            | 5,000           |
|                   | 1878  | Monterey County, Cal. ....      | Espinosa Lake .....               |                     | San Leandro, Cal. ....            | 5,000           |
|                   | 1878  | San Francisco, Cal. ....        | Woodward Aquarium .....           |                     | San Leandro, Cal. ....            | 500             |
|                   | 1878  | Tulare County, Cal. ....        | Tulare Lake .....                 |                     | San Leandro, Cal. ....            | 15,000          |
|                   | 1878  | Alameda County, Cal. ....       | Lake Chabot .....                 |                     | San Leandro, Cal. ....            | 2,500           |
|                   | 1878  | Alameda County, Cal. ....       | Arroyo Laguna .....               |                     | San Leandro, Cal. ....            | 700             |
|                   | 1878  | San Francisco County, Cal. .... | Laguna Honda .....                |                     | San Leandro, Cal. ....            | 1,000           |
|                   | 1878  | El Dorado County, Cal. ....     | Echo Lake .....                   |                     | San Leandro, Cal. ....            | 250             |
|                   | 1878  | South Kent, Conn. ....          | Spectacle Pond .....              |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1878  | Winsted, Conn. ....             | Long Lake .....                   |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1878  | Chapinville, Conn. ....         | Twin Lakes .....                  |                     | Westport and Waltonia, Conn. .... | 10,000          |
| Connecticut ..... | 1878  | Lakeville, Conn. ....           | Wononscoponne Lake .....          |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1878  | Norfolk, Conn. ....             | Smith Pond .....                  |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1878  | Warren, Conn. ....              | Waramang Lake .....               |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1878  | Litchfield, Conn. ....          | Bentam Lake .....                 |                     | Westport and Waltonia, Conn. .... | 15,000          |
|                   | 1878  | Valantown, Conn. ....           | Beach Pond .....                  |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1878  | East Hampton, Conn. ....        | Hampton Pond .....                |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1878  | Rockville, Conn. ....           | Snipsic Lake .....                |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1878  | Lyme, Conn. ....                | Rogers Lake .....                 |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1878  | Windham, Conn. ....             | Shellocket Waters .....           |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1878  | Salem, Conn. ....               | Gardiner's Lake .....             |                     | Westport and Waltonia, Conn. .... | 10,000          |
|                   | 1877  | New Preston, Conn. ....         | Waramang Lake .....               |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | Litchfield, Conn. ....          | Bentam Lake .....                 |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | Lyme, Conn. ....                | Hog Lake .....                    |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | Salem, Conn. ....               | Gardiner's Lake .....             |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | Salisbury, Conn. ....           | Twin Lakes .....                  |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | Lakeville, Conn. ....           | Wononscoponne Lake .....          |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | Kent, Conn. ....                | Spectacle Ponds .....             |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | Rockville, Conn. ....           | Snipsic Lake .....                |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | East Hampton, Conn. ....        | Hampton Pond .....                |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | Winsted, Conn. ....             | Long Lake .....                   |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | South Coventry, Conn. ....      | Wangamoung Pond .....             |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | South Windham, Conn. ....       | Balshack Brook .....              |                     | Westport and Waltonia, Conn. .... | 5,000           |
|                   | 1877  | East Haven, Conn. ....          | Saltonett Lake .....              |                     | Westport and Waltonia, Conn. .... | 1,000           |
|                   | 1877  | Branford, Conn. ....            | Roger's Pond .....                |                     | Westport and Waltonia, Conn. .... | 1,000           |
|                   | 1877  | Woodbridge, Conn. ....          | Valley Pond .....                 |                     | Westport and Waltonia, Conn. .... | 500             |
|                   | 1878  | Salisbury, Conn. ....           | Twin Lakes .....                  |                     | North Branford, Conn. ....        | 10,000          |
|                   | 1878  | Kent, Conn. ....                | Spectacle Ponds .....             |                     | North Branford, Conn. ....        | 10,000          |
|                   | 1878  | Sherman, Conn. ....             | Square Pond .....                 |                     | North Branford, Conn. ....        | 5,000           |
|                   | 1878  | Sherman, Conn. ....             | Green Pond .....                  |                     | North Branford, Conn. ....        | 5,000           |
|                   | 1878  | Salem, Conn. ....               | Gardiner's Lake .....             |                     | North Branford, Conn. ....        | 10,000          |
|                   | 1878  | Lyme, Conn. ....                | Hog Lake .....                    |                     | North Branford, Conn. ....        | 10,000          |

|      |                         |                            |                   |                       |        |
|------|-------------------------|----------------------------|-------------------|-----------------------|--------|
| 1878 | Rockville, Conn.        | Snipe Lake                 |                   | North Branford, Conn. | 10,000 |
| 1878 | East Hampton, Conn.     | Hampton Pond               |                   | North Branford, Conn. | 10,000 |
| 1878 | Litchfield, Conn.       | Bantam Lake                |                   | North Branford, Conn. | 10,000 |
| 1878 | South Coventry, Conn.   | Wanamang Lake              |                   | North Branford, Conn. | 10,000 |
| 1878 | West Winsted, Conn.     | Long Lake                  |                   | North Branford, Conn. | 10,000 |
| 1878 | Stafford Springs, Conn. | Stafford Springs Reservoir |                   | North Branford, Conn. | 10,000 |
| 1878 | Thompsonville, Conn.    | Brooks                     | Connecticut River | North Branford, Conn. | 10,000 |
| 1878 | Lyme, Conn.             | Rogers Lake                |                   | North Branford, Conn. | 15,000 |
| 1878 | Willimantic, Conn.      | Brooks                     | Thames River      | North Branford, Conn. | 15,000 |
| 1878 | New Haven, Conn.        | Salterstall Lake           |                   | North Branford, Conn. | 10,000 |
| 1878 | Woodbridge, Conn.       | Valley Pond                |                   | North Branford, Conn. | 5,000  |
| 1879 | Ridgfield, Conn.        | Round Pond                 | Housatonic River  | Westport, Conn.       | 10,000 |
| 1879 | Danbury, Conn.          | Lake Lenoxa                | Housatonic River  | Westport, Conn.       | 10,000 |
| 1879 | Chapinville, Conn.      | Twin Lakes                 | Housatonic River  | Westport, Conn.       | 5,000  |
| 1879 | Sherman, Conn.          | Green Pond                 | Housatonic River  | Westport, Conn.       | 5,000  |
| 1879 | Lakerville, Conn.       | Wonoscoponuc Lake          | Housatonic River  | Westport, Conn.       | 5,000  |
| 1879 | Stafford Springs, Conn. | Stafford Springs Reservoir | Thames River      | Westport, Conn.       | 10,000 |
| 1879 | West Winsted, Conn.     | Long Lake                  | Naugatuck River   | Westport, Conn.       | 10,000 |
| 1879 | East Haven, Conn.       | Salterstall Lake           |                   | Westport, Conn.       | 10,000 |
| 1879 | Lyme, Conn.             | Hog Lake                   | Connecticut River | Westport, Conn.       | 10,000 |
| 1879 | Salem, Conn.            | Gardiner's Lake            | Thames River      | Westport, Conn.       | 10,000 |
| 1879 | Newtown, Conn.          | Tributary                  | Housatonic River  | Westport, Conn.       | 10,000 |
| 1879 | New Preston, Conn.      | Wanamang Lake              | Housatonic River  | Westport, Conn.       | 10,000 |
| 1879 | Litchfield, Conn.       | Bantam Lake                | Housatonic River  | Westport, Conn.       | 10,000 |
| 1879 | East Hampton, Conn.     | Lake Pocotapang            | Connecticut River | Westport, Conn.       | 10,000 |
| 1879 | Willimantic, Conn.      | Tributaries                | Thames River      | Westport, Conn.       | 10,000 |
| 1879 | South Coventry, Conn.   | Wangabonig Lake            | Thames River      | Westport, Conn.       | 10,000 |
| 1879 | West Hartford, Conn.    | Reservoir                  | Connecticut River | Westport, Conn.       | 3,715  |
| 1879 | Melrose, Conn.          | Melroe Pond                | Connecticut River | Westport, Conn.       | 10,000 |
| 1879 | Rockville, Conn.        | Snipe Lake                 | Connecticut River | Westport, Conn.       | 10,000 |
| 1879 | Southport, Conn.        | Southport Pond             | Mill River        | Westport, Conn.       | 10,000 |
| 1880 | Durham, Conn.           | Pitagog Pond               | Connecticut River | Poquonock, Conn.      | 5,000  |
| 1880 | Higganum, Conn.         | Higganum Reservoir         | Connecticut River | Poquonock, Conn.      | 5,000  |
| 1880 | Lyme, Conn.             | Rogers Lake                | Long Island Sound | Poquonock, Conn.      | 5,000  |
| 1880 | Guilford, Conn.         | Limepang Lake              | Long Island Sound | Poquonock, Conn.      | 5,000  |
| 1880 | Sandy Hook, Conn.       | Halfway River              | Housatonic River  | Poquonock, Conn.      | 5,000  |
| 1880 | Falls Village, Conn.    | Canaan Mountain Pond       | Housatonic River  | Poquonock, Conn.      | 5,000  |
| 1880 | Danbury, Conn.          | Kanesiac Pond              | Housatonic River  | Poquonock, Conn.      | 5,000  |
| 1880 | Brookfield, Conn.       | Still River                | Housatonic River  | Poquonock, Conn.      | 5,000  |
| 1880 | Woodbury, Conn.         | Pomerang River             | Naugatuck River   | Poquonock, Conn.      | 5,000  |
| 1880 | Southport, Conn.        | Perry's Pond               | Long Island Sound | Poquonock, Conn.      | 5,000  |
| 1880 | Mianus, Conn.           | Mianus River               | Long Island Sound | Poquonock, Conn.      | 5,000  |
| 1880 | Middlebury, Conn.       | Quasepang Lake             | Naugatuck River   | Poquonock, Conn.      | 5,000  |
| 1880 | Plainville, Conn.       | Plainville Reservoir       | Farmington River  | Poquonock, Conn.      | 5,000  |
| 1880 | Meriden, Conn.          | Black Pond                 | Quinnipiac River  | Poquonock, Conn.      | 5,000  |
| 1880 | Bolton, Conn.           | Bolton Reservoir           | Hockanum River    | Poquonock, Conn.      | 5,000  |
| 1880 | Windsor, Conn.          | Seantic River              | Connecticut River | Poquonock, Conn.      | 5,000  |
| 1880 | Broad Brook, Conn.      | Broad Brook                | Connecticut River | Poquonock, Conn.      | 5,000  |
| 1880 | Granby, Conn.           | Salmon River               | Farmington River  | Poquonock, Conn.      | 5,000  |
| 1880 | Hartford, Conn.         | Colt's Reservoir           |                   | Poquonock, Conn.      | 1,000  |
| 1878 | Richmond, Ill.          | Twin Lakes                 |                   | Elgin, Ill.           | 4,000  |
| 1878 | Elgin, Ill.             | Pond                       |                   | Elgin, Ill.           | 200    |

D.—TABLE III.—*Distribution of Schoodic salmon from 1874 to 1880, inclusive—Continued.*

| State.             | Date. | Locality.                             | Waters in which fish were placed. | Tributary of—      | Where finally hatched. | Number of fish. |
|--------------------|-------|---------------------------------------|-----------------------------------|--------------------|------------------------|-----------------|
| Illinois—Continued | 1878  | Trenton, Ill.                         | Pond                              |                    | Elgin, Ill.            | 200             |
|                    | 1878  |                                       |                                   |                    | Pokagon, Mich.         | 25,000          |
| Indiana            | 1880  | La Porte, Ind.                        | Stony Lake                        |                    | Pokagon, Mich.         | 10,000          |
|                    | 1878  | De Witt, Clinton County, Iowa         | Silver Creek                      |                    | Anamosa, Iowa          | 3,000           |
| Iowa               | 1878  | Clear Lake, Cerro Gordo County, Iowa. | Clear Lake                        |                    | Anamosa, Iowa          | 3,000           |
|                    | 1878  | Cedar Rapids, Iowa                    | Cedar River                       |                    | Anamosa, Iowa          | 3,000           |
|                    | 1878  | Tama City, Iowa                       | Iowa River                        |                    | Anamosa, Iowa          | 3,000           |
|                    | 1878  | Boone, Iowa                           | Des Moines River                  |                    | Anamosa, Iowa          | 3,000           |
|                    | 1878  | Anamosa, Iowa                         | Hatching ponds                    |                    | Anamosa, Iowa          | 5,000           |
| Kansas             | 1878  | Ellsworth County, Kans.               | Smoky Hill River                  | Kansas River       | Ellsworth, Kans.       | 10,000          |
|                    | 1878  | McPherson County, Kans.               | Inman Lake                        |                    | Ellsworth, Kans.       | 10,000          |
|                    | 1880  | Fort Harker, Kans.                    | Howard's Lake                     | Smoky Hill River   | Ellsworth, Kans.       | 1,000           |
|                    | 1880  | Wilson, Kans.                         | Pond                              | Smoky Hill River   | Ellsworth, Kans.       | 600             |
|                    | 1880  | Ellsworth, Kans.                      | Pond                              | Smoky Hill River   | Ellsworth, Kans.       | 200             |
|                    | 1880  | Venango, Kans.                        | Pond                              | Smoky Hill River   | Ellsworth, Kans.       | 500             |
|                    | 1880  | Bluffville, Kans.                     | Bluff Creek                       | Smoky Hill River   | Ellsworth, Kans.       | 500             |
|                    | 1880  | Trivoli, Kans.                        | Bradley Spring                    | Smoky Hill River   | Ellsworth, Kans.       | 500             |
|                    | 1880  | Parisville, Kans.                     | Elm Creek                         | Smoky Hill River   | Ellsworth, Kans.       | 500             |
|                    | 1880  | Parisville, Kans.                     | Clear Creek                       | Smoky Hill River   | Ellsworth, Kans.       | 500             |
|                    | 1880  | Parisville, Kans.                     | Clear Creek                       | Smoky Hill River   | Ellsworth, Kans.       | 500             |
|                    | 1880  | Trivoli, Kans.                        | Spring Creek                      | Smoky Hill River   | Ellsworth, Kans.       | 500             |
|                    | 1880  | Ellsworth, Kans.                      | Ash Creek                         | Smoky Hill River   | Ellsworth, Kans.       | 1,000           |
|                    | 1880  | Fort Harker, Kans.                    | Spring Creek                      | Smoky Hill River   | Ellsworth, Kans.       | 3,000           |
| Kentucky           | 1878  | Taylorsville, Ky.                     | Asher's Creek                     | Salt River         | Louisville, Ky.        | 1,000           |
|                    | 1878  | Somerset, Ky.                         | Pitman Creek                      | Cumberland River   | Louisville, Ky.        | 1,000           |
|                    | 1878  | Smith's Grove, Ky.                    | Pond                              |                    | Louisville, Ky.        | 500             |
|                    | 1878  | Versailles, Ky.                       | Pond                              |                    | Louisville, Ky.        | 500             |
|                    | 1878  | Elizabethtown, Ky.                    | Nolin Creek                       | Green River        | Louisville, Ky.        | 1,000           |
|                    | 1878  | Covington, Ky.                        | Glasser's Lake                    |                    | Louisville, Ky.        | 500             |
|                    | 1878  | Vanceburgh, Ky.                       | Kinnickinnick Creek               | Ohio River         | Louisville, Ky.        | 1,000           |
|                    | 1874  |                                       | Kennebago Stream                  |                    |                        | 2,000           |
| Maine              | 1876  |                                       | Grand Lake                        | Saint Croix Stream |                        | 250,000         |
|                    | 1877  |                                       | Grand Lake                        | Saint Croix Stream |                        | 110,000         |
|                    | 1878  | Charlotte, Me.                        | Moosehorn Waters                  | Pemaquan River     | Pembroke, Me.          | 15,000          |
|                    | 1878  | Charlotte, Me.                        | Sprague's Pond                    | Pemaquan River     | Pembroke, Me.          | 5,000           |
|                    | 1878  | Cooper, Me.                           | Cathance Lake                     | Denny's River      | Pembroke, Me.          | 10,000          |
|                    | 1878  | Charlotte, Me.                        | Crocker's Lake                    | Pemaquan River     | Pembroke, Me.          | 5,000           |
|                    | 1878  | Aroostook County, Me.                 | Drew's Lake                       | Meduxnekeag River  | Houlton, Me.           | 3,000           |
|                    | 1878  | Aroostook County, Me.                 | Limerick Lake                     | Meduxnekeag River  | Houlton, Me.           | 2,000           |
|                    | 1878  | Enfield, Me.                          | Cold Spring Pond                  | Penobscot River    | Bucksport, Me.         | 5,000           |
|                    | 1878  | Newport, Me.                          | Newport Pond                      | Kennebec River     | Bucksport, Me.         | 4,000           |
|                    | 1878  | Washington County, Me.                | Grand Lake                        | Saint Croix River  | Bucksport, Me.         | 437,000         |
|                    | 1878  | Calais, Me.                           | Keene's Lake                      | Saint Croix River  | Grand Lake Stream, Me. | 10,000          |

Maryland.....

|               |                                  |                      |                   |                        |         |
|---------------|----------------------------------|----------------------|-------------------|------------------------|---------|
| 1879          | Mont Kisco, Me.                  | Moosehead Lake       | Kennebec River    | Bucksport, Me.         | 20,000  |
| 1879          | Damariscotta, Me.                | Pond                 |                   | Bucksport, Me.         | 5,000   |
| 1879          | Unity, Me.                       | Pond                 |                   | Bucksport, Me.         | 5,000   |
| 1879          | Auburn, Me.                      | Pond                 |                   | Bucksport, Me.         | 5,000   |
| 1879          | Dexter, Me.                      | Pond                 |                   | Bucksport, Me.         | 5,000   |
| 1879          | Glenburn, Me.                    | Pushaw Pond          |                   | Bucksport, Me.         | 10,000  |
| 1879          | Manchester, Me.                  | Cobboscontee Lake    |                   | Bucksport, Me.         | 5,000   |
| 1879          | Washington County, Ma.           | Grand Lake           | Saint Croix River | Grand Lake Stream, Me. | 384,000 |
| 1879          | Calais, Me.                      | Nash's Lake          | Saint Croix River | Grand Lake Stream, Me. | 10,600  |
| 1878          | Weyerton, Md.                    | Pond                 | Potomac River     | Baltimore, Md.         | 500     |
| 1878          | Spencerville, Md.                | Stream               | Patuxent River    | Baltimore, Md.         | 500     |
| 1878          | Emmitsburgh, Md.                 | Crystal Iron Springs | Monocacy River    | Baltimore, Md.         | 2,500   |
| 1878          | Forestville, Md.                 | Pond                 | Patuxent River    | Baltimore, Md.         | 1,000   |
| 1878          | Hood's Mills, Md.                | Pond                 | Patuxent River    | Baltimore, Md.         | 3,500   |
| 1878          | Reisterstown, Md.                | Pond                 | Gwynn's Falls     | Baltimore, Md.         | 250     |
| 1878          | Cockeysville, Md.                | Gunpowder River      |                   | Baltimore, Md.         | 23,000  |
| 1878          | Elk Ridge Landing, Md.           | Cascade Branch       | Patuxent River    | Baltimore, Md.         | 500     |
| 1878          | Westminster, Md.                 | Pond                 | Patuxent River    | Baltimore, Md.         | 1,000   |
| 1878          | Deer Park, Md.                   | Pond                 |                   | Baltimore, Md.         | 7,831   |
| 1879          | Baltimore, Md.                   | Stream               | Beaverdam Creek   | Baltimore, Md.         | 750     |
| 1879          |                                  | Stream               | Susquehanna River | Baltimore, Md.         | 1,000   |
| 1879          |                                  | Pond                 | Charles River     | Baltimore, Md.         | 500     |
| 1879          | Baltimore, Md.                   | Druid Hill Lake      |                   | Baltimore, Md.         | 8,000   |
| 1879          | Baltimore, Md.                   | Druid Hill Lake      |                   | Baltimore, Md.         | 2,000   |
| 1879          | Baltimore, Md.                   | Druid Hill Lake      |                   | Baltimore, Md.         | 2,000   |
| 1879          | Baltimore, Md.                   | Druid Hill Lake      |                   | Baltimore, Md.         | 1,000   |
| 1879          | Westminster, Md.                 | Pond                 | Little Pipe Creek | Baltimore, Md.         | 2,000   |
| 1879          | Westminster, Md.                 | Cobb's Branch        | Little Pipe Creek | Baltimore, Md.         | 2,000   |
| 1879          | Hampton, Md.                     | Pond                 | Gunpowder River   | Baltimore, Md.         | 1,000   |
| 1879          | Baltimore, Md.                   | Lake                 | Stony Run         | Baltimore, Md.         | 500     |
| 1879          | Union Bridge, Md.                | Pond                 | Big Pipe Creek    | Baltimore, Md.         | 500     |
| 1879          | Union Bridge, Md.                | Pond                 | Big Pipe Creek    | Baltimore, Md.         | 1,000   |
| 1879          | Reisterstown, Md.                | Lake                 | Patuxent Falls    | Baltimore, Md.         | 500     |
| 1879          | Baltimore, Md.                   | Druid Hill Pond      |                   | Baltimore, Md.         | 2,000   |
| 1879          | Harford County, Md.              | Green Spring Run     | Jones Falls       | Baltimore, Md.         | 1,500   |
| 1879          | Baltimore, Md.                   | Druid Hill Lake      | Jones' Falls      | Baltimore, Md.         | 1,000   |
| 1879          | Easton, Md.                      | Pond                 | Miles' Creek      | Baltimore, Md.         | 250     |
| 1879          | Easton, Md.                      | Pond                 |                   | Baltimore, Md.         | 250     |
| 1879          | Easton, Md.                      | Pond                 | Miles' Creek      | Baltimore, Md.         | 500     |
| 1879          | Easton, Md.                      | Pond                 | Miles' Creek      | Baltimore, Md.         | 250     |
| 1879          | Easton, Md.                      | Pond                 | Monocacy River    | Baltimore, Md.         | 200     |
| Mar. 22, 1880 | Buckeystown, Md.                 | Pond                 | Potomac River     | Baltimore, Md.         | 3,000   |
| Apr. 5, 1880  | Oakland, Md.                     | Little Youghiogheny  | Monocacy River    | Baltimore, Md.         | 500     |
| Apr. 15, 1880 | Buckeystown, Md.                 | Pond                 | Monocacy River    | Baltimore, Md.         | 500     |
| Apr. 18, 1880 | Pikeville, Md.                   | Pond                 | Gwynn's Falls     | Baltimore, Md.         | 500     |
| Apr. 19, 1880 | Green Spring, Md.                | Pond                 | Lake Roland       | Baltimore, Md.         | 500     |
| Apr. 19, 1880 | Carrollton, Md.                  | Pond                 | Patuxent Falls    | Baltimore, Md.         | 500     |
| Apr. 20, 1880 | Oakland, Md.                     | Pond                 | Patuxent River    | Baltimore, Md.         | 500     |
| Apr. 20, 1880 | Baltimore, Md.                   | Pond                 | Patuxent River    | Baltimore, Md.         | 500     |
| Apr. 20, 1880 | Airy Hill, Baltimore County, Md. | Pond                 | Gwynn's Falls     | Baltimore, Md.         | 500     |
| Apr. 20, 1880 | Baltimore, Md.                   | Trout Branch         | Patuxent River    | Baltimore, Md.         | 500     |
| Apr. 21, 1880 | Unionville, Md.                  | Pond                 | Linganore Creek   | Baltimore, Md.         | 500     |
| Apr. 22, 1880 | Wilna, Md.                       | Winter's Run         | Boab River        | Baltimore, Md.         | 500     |

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PRODUCTION AND DISTRIBUTION OF YOUNG FISH.

D.—TABLE III.—Distribution of Schoodic salmon from 1874 to 1880, inclusive—Continued

| State.            | Date.         | Locality.             | Waters in which fish were placed. | Tributary of—       | Where finally hatched. | Number of fish. |
|-------------------|---------------|-----------------------|-----------------------------------|---------------------|------------------------|-----------------|
| Maryland—Cont'd.  | Apr. 24, 1880 | Baltimore, Md.        | Pond                              | Gunpowder River     | Baltimore, Md.         | 500             |
|                   | Apr. 26, 1880 | Catonsville, Md.      | Pond                              | Gwynn's Falls       | Baltimore, Md.         | 500             |
|                   | Apr. 28, 1880 | Clear Spring, Md.     | Mill-dam                          | Potomac River       | Baltimore, Md.         | 500             |
|                   | Apr. 28, 1880 | Bel Air, Md.          | Pond                              | Boeb River          | Baltimore, Md.         | 500             |
|                   | Apr. 30, 1880 | Eden, Md.             | Pond                              | Patapsco River      | Baltimore, Md.         | 500             |
|                   | May 1, 1880   | Baltimore, Md.        | Patuxent River                    | Chesapeake Bay      | Baltimore, Md.         | 500             |
|                   | May 4, 1880   |                       | Dripping Spring                   | Gunpowder River     | Baltimore, Md.         | 200             |
|                   | May 6, 1880   | Long Green, Md.       | Pond                              | Big Gunpowder River | Baltimore, Md.         | 500             |
|                   | May 8, 1880   | Norrisville, Md.      | Pond                              | Deer Creek          | Baltimore, Md.         | 500             |
|                   | May 11, 1880  | Frederick, Md.        | Monocacy River                    | Potomac River       | Baltimore, Md.         | 500             |
|                   | May 13, 1880  | Mount Pleasant, Md.   | Pond                              | Monocacy River      | Baltimore, Md.         | 500             |
|                   | May 14, 1880  | Denton, Md.           | Pond                              | Choptank River      | Baltimore, Md.         | 500             |
|                   | May 17, 1880  | Baltimore, Md.        | Pond                              | Gunpowder River     | Baltimore, Md.         | 500             |
|                   | May 18, 1880  | Fairview, Md.         | Bush Run                          | Conocheagne River   | Baltimore, Md.         | 500             |
|                   | May 18, 1880  | Sulphur Spring, Md.   | Pond                              | Patapsco River      | Baltimore, Md.         | 500             |
|                   | May 24, 1880  | York Road, Md.        | Pond                              | Gunpowder River     | Baltimore, Md.         | 500             |
|                   | May 27, 1880  | Sandy Spring, Md.     | Pond                              | Patuxent River      | Baltimore, Md.         | 500             |
|                   | May 27, 1880  | Sandy Spring, Md.     | Pond                              | Northwest River     | Baltimore, Md.         | 500             |
| Massachusetts.... | 1876          | Sandwich, Mass.       | Spectacle Pond                    |                     | Winchester, Mass.      | 3,500           |
|                   | 1876          | Winchendon, Mass.     | Dennison Lake                     |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Lunenburg, Mass.      | Unkechewalom Pond                 |                     | Winchester, Mass.      | 4,000           |
|                   | 1876          | Lincoln, Mass.        | Sandy Pond                        |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Boxford, Mass.        | Mitchell's Pond                   | Ipewich River       | Winchester, Mass.      | 4,000           |
|                   | 1876          | Westfield, Mass.      | Congamond Lake                    |                     | Winchester, Mass.      | 5,000           |
|                   | 1876          | South Weymouth, Mass. | Weymouth Great Pond               |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Pittsfield, Mass.     | Pontoosuc Lake                    |                     | Winchester, Mass.      | 4,000           |
|                   | 1876          | North Sandwich, Mass. | Great Herring                     |                     | Winchester, Mass.      | 5,000           |
|                   | 1876          | Mendon, Mass.         | Nipmug Pond                       |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | South Abington, Mass. |                                   |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Wellesley, Mass.      |                                   |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | North Andover, Mass.  | Great Pond                        |                     | Winchester, Mass.      | 5,000           |
|                   | 1876          | Plymouth, Mass.       | Halfway Pond                      |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Ashburnham, Mass.     | Nankrag Lake                      |                     | Winchester, Mass.      | 5,000           |
|                   | 1876          | Lancaster, Mass.      | Ponds                             |                     | Winchester, Mass.      | 15,000          |
|                   | 1876          | Pittsfield, Mass.     | Pontoosuc Lake                    |                     | Winchester, Mass.      | 8,000           |
|                   | 1876          | South Carver, Mass.   |                                   |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Cotuit, Mass.         |                                   |                     | Winchester, Mass.      | 4,000           |
|                   | 1876          | Berlin, Mass.         | Gates Pond                        |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Athol, Mass.          |                                   |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Natick, Mass.         | Dug Pond                          |                     | Winchester, Mass.      | 3,500           |
|                   | 1876          | Framingham, Mass.     | Sudbury River                     |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Winchester, Mass.     | Wedge Pond                        |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Winchester, Mass.     | Mystic Lake                       |                     | Winchester, Mass.      | 3,000           |
|                   | 1876          | Plymouth, Mass.       | Halfway Pond                      |                     | Winchester, Mass.      | 90,000          |

|      |                         |                     |                   |        |
|------|-------------------------|---------------------|-------------------|--------|
| 1877 | Wakefield, Mass.        | Lake Quannapowitt   | Winchester, Mass. | 4,000  |
| 1877 | Waltham, Mass.          | Ponds               | Winchester, Mass. | 1,200  |
| 1877 | Lunenburg, Mass.        | Unkechewaloom Pond  | Winchester, Mass. | 4,000  |
| 1877 | Lincoln, Mass.          | Sandy Pond          | Winchester, Mass. | 4,000  |
| 1877 | Middleborough, Mass.    | Assawampsett Lake   | Winchester, Mass. | 20,000 |
| 1877 | Newton, Mass.           | Crystal Lake        | Winchester, Mass. | 3,000  |
| 1877 | South Weymouth, Mass.   | Weymouth Great Pond | Winchester, Mass. | 4,000  |
| 1877 | Winchendon, Mass.       | Dennison Lake       | Winchester, Mass. | 4,000  |
| 1877 | Greenwood, Mass.        | Crystal Lake        | Winchester, Mass. | 4,000  |
| 1877 | East Bridgewater, Mass. | Santucket River     | Winchester, Mass. | 4,000  |
| 1877 | Ashburnham, Mass.       | Nankeag Lake        | Winchester, Mass. | 5,000  |
| 1877 | Borford, Mass.          | Mitchell's Pond     | Winchester, Mass. | 3,000  |
| 1877 | Middleton, Mass.        | Middleton Pond      | Winchester, Mass. | 2,500  |
| 1877 | Wellfleet, Mass.        | Gull Pond           | Winchester, Mass. | 5,000  |
| 1877 | Georgetown, Mass.       | Pentucket Pond      | Winchester, Mass. | 2,000  |
| 1877 | Georgetown, Mass.       | Rock Pond           | Winchester, Mass. | 2,000  |
| 1877 | Wilbraham, Mass.        | Nine-Mile Pond      | Winchester, Mass. | 5,000  |
| 1877 | Sandwich, Mass.         | Spectacle Pond      | Winchester, Mass. | 4,000  |
| 1877 | Framingham, Mass.       | Sudbury River       | Winchester, Mass. | 5,000  |
| 1877 | Natick, Mass.           | Dug Pond            | Winchester, Mass. | 4,000  |
| 1877 | Pittsfield, Mass.       | Pontoosuc Lake      | Winchester, Mass. | 5,000  |
| 1877 | Nantucket, Mass.        | Hummock Pond        | Winchester, Mass. | 2,500  |
| 1877 | Berlin, Mass.           | Gates Pond          | Winchester, Mass. | 3,000  |
| 1877 | Braintree, Mass.        | Great Pond          | Winchester, Mass. | 3,000  |
| 1877 | Lancaster, Mass.        | Ponds               | Winchester, Mass. | 15,000 |
| 1877 | Duxbury, Mass.          | Island Creek Pond   | Winchester, Mass. | 6,000  |
| 1877 | Plymouth, Mass.         | Tailway Pond        | Winchester, Mass. | 10,000 |
| 1877 | Billerica, Mass.        | Shawabine River     | Winchester, Mass. | 8,000  |
| 1877 | Huntington, Mass.       | Norwich Pond        | Winchester, Mass. | 3,000  |
| 1877 | Medford, Mass.          | Mystic Lake         | Winchester, Mass. | 1,300  |
| 1877 | Winchester, Mass.       | Wedge Pond          | Winchester, Mass. | 1,000  |
| 1877 | Essex, Mass.            | Chelabacco Pond     | Winchester, Mass. | 4,000  |
| 1878 | Wellfleet, Mass.        | Gull Pond           | Winchester, Mass. | 8,000  |
| 1878 | Middleborough, Mass.    | Assawampsett Lake   | Winchester, Mass. | 30,000 |
| 1878 | Natick, Mass.           | Dug Pond            | Winchester, Mass. | 4,000  |
| 1878 | Winchendon, Mass.       | Dennison Lake       | Winchester, Mass. | 4,000  |
| 1878 | Winchendon, Mass.       | Whitney's Pond      | Winchester, Mass. | 4,000  |
| 1878 | Winchester, Mass.       | Wedge Pond          | Winchester, Mass. | 4,000  |
| 1878 | Winchester, Mass.       | Mystic Lake         | Winchester, Mass. | 4,000  |
| 1878 | Milton, Mass.           | Houghton's Pond     | Winchester, Mass. | 7,000  |
| 1878 | Harvard, Mass.          | Bear Hill Pond      | Winchester, Mass. | 4,000  |
| 1878 | Lynn, Mass.             | Spring Pond         | Winchester, Mass. | 1,500  |
| 1878 | Lynn, Mass.             | Flax Pond           | Winchester, Mass. | 1,500  |
| 1878 | Wenham, Mass.           | Wenham Lake         | Winchester, Mass. | 4,000  |
| 1878 | North Rochester, Mass.  | Snow's Pond         | Winchester, Mass. | 3,000  |
| 1878 | North Andover, Mass.    | Great Pond          | Winchester, Mass. | 4,000  |
| 1878 | East Bridgewater, Mass. | Santucket River     | Winchester, Mass. | 4,000  |
| 1878 | West Scituate, Mass.    | Scituate Ponds      | Winchester, Mass. | 4,000  |
| 1878 | Stockbridge, Mass.      | Lake Mahkeenac      | Winchester, Mass. | 20,000 |
| 1878 | Stoneham, Mass.         | Spot Pond           | Winchester, Mass. | 8,000  |
| 1878 | Lawrence, Mass.         | Pond                | Winchester, Mass. | 8,000  |
| 1878 | Hubbardston, Mass.      | Aanacomelic Pond    | Winchester, Mass. | 5,000  |

D.—TABLE III.—Distribution of Schoodic salmon from 1874 to 1880, inclusive—Continued.

| State.                       | Date. | Locality.               | Waters in which fish were placed. | Tributary of— | Where finally hatched. | Number of fish. |
|------------------------------|-------|-------------------------|-----------------------------------|---------------|------------------------|-----------------|
| Massachusetts—<br>Continued. | 1878  | North Sandwich, Mass.   | Great Herring Pond                |               | Winchester, Mass.      | 4,000           |
|                              | 1878  | Ashburnham, Mass.       | Naukeag Lake                      |               | Winchester, Mass.      | 8,000           |
|                              | 1878  | Fall River, Mass.       | Sucker Brook                      |               | Winchester, Mass.      | 2,500           |
|                              | 1878  | Fall River, Mass.       | Borden Pond                       |               | Winchester, Mass.      | 2,500           |
|                              | 1878  | Salem, Mass.            | Suntang Lake                      |               | Winchester, Mass.      | 5,000           |
|                              | 1878  | Salem, Mass.            | Wenham Lake                       |               | Winchester, Mass.      | 5,000           |
|                              | 1878  | Holyoke, Mass.          | Ashley Pond                       |               | Winchester, Mass.      | 7,000           |
|                              | 1878  | Pittsfield, Mass.       | Pontoosuc Lake                    |               | Winchester, Mass.      | 16,000          |
|                              | 1878  | Braintree, Mass.        | Great Pond                        |               | Winchester, Mass.      | 8,000           |
|                              | 1878  | Wakefield, Mass.        | Lake Quannapowitt                 |               | Winchester, Mass.      | 6,000           |
|                              | 1878  | Greenwood, Mass.        | Crystal Lake                      |               | Winchester, Mass.      | 8,000           |
|                              | 1878  | Waltham, Mass.          | Hardy's Pond                      |               | Winchester, Mass.      | 4,000           |
|                              | 1878  | Plymouth, Mass.         | Halfway Pond                      |               | Winchester, Mass.      | 4,000           |
|                              | 1878  | South Weymouth, Mass.   | Weymouth Great Pond               |               | Winchester, Mass.      | 4,000           |
|                              | 1879  | Harvard, Mass.          | Beir Hill Pond                    |               | Winchester, Mass.      | 6,000           |
|                              | 1879  | East Brookfield, Mass.  | Furnace Pond                      |               | Winchester, Mass.      | 10,000          |
|                              | 1879  | Winchendon, Mass.       | Dennison Lake                     |               | Winchester, Mass.      | 2,000           |
|                              | 1879  | Winchendon, Mass.       | Whitney's Pond                    |               | Winchester, Mass.      | 2,000           |
|                              | 1879  | Natick, Mass.           | Dug Point                         |               | Winchester, Mass.      | 3,000           |
|                              | 1879  | Milton, Mass.           | Houghton's Pond                   |               | Winchester, Mass.      | 6,000           |
|                              | 1879  | Wenham, Mass.           | Wenham Lake                       |               | Winchester, Mass.      | 10,000          |
|                              | 1879  | Frammingham, Mass.      | Farm Pond                         |               | Winchester, Mass.      | 8,000           |
|                              | 1879  | Lynnfield, Mass.        | Suntang Lake                      |               | Winchester, Mass.      | 8,000           |
|                              | 1879  | Ashburnham, Mass.       | Naukeag Lake                      |               | Winchester, Mass.      | 20,000          |
|                              | 1879  | Hubardston, Mass.       | Assaenconic Pond                  |               | Winchester, Mass.      | 10,000          |
|                              | 1879  | East Brookfield, Mass.  | Furnace Pond                      |               | Winchester, Mass.      | 8,000           |
|                              | 1879  | Acton, Mass.            | Magog Lake                        |               | Winchester, Mass.      | 9,000           |
|                              | 1879  | Wakefield, Mass.        | Lake Quannapowitt                 |               | Winchester, Mass.      | 3,000           |
|                              | 1879  | Middleborough, Mass.    | Assawamsett Lake                  |               | Winchester, Mass.      | 20,000          |
|                              | 1879  | Great Barrington, Mass. | Lake Bucl                         |               | Winchester, Mass.      | 6,000           |
|                              | 1879  | Stockbridge, Mass.      | Lake Mahkeenac                    |               | Winchester, Mass.      | 20,000          |
|                              | 1879  | Mendon, Mass.           | Nipmug Pond                       |               | Winchester, Mass.      | 3,000           |
|                              | 1879  | West Setuate, Mass.     | Setuate Ponds                     |               | Winchester, Mass.      | 3,000           |
|                              | 1879  | Paxton, Mass.           | Assabunskitt Ponds                |               | Winchester, Mass.      | 6,000           |
|                              | 1879  | Westfield, Mass.        | Congamond Lake                    |               | Winchester, Mass.      | 20,000          |
|                              | 1879  | Rochester, Mass.        | Mary's Pond                       |               | Winchester, Mass.      | 4,000           |
|                              | 1879  | Westborough, Mass.      | Hokomocke Pond                    |               | Winchester, Mass.      | 4,000           |
|                              | 1879  | Essex, Mass.            | Chelacco Lake                     |               | Winchester, Mass.      | 10,000          |
|                              | 1879  | Holyoke, Mass.          | Wright Pond                       |               | Winchester, Mass.      | 6,000           |
|                              | 1879  | Milford, Mass.          | Nipmug Pond                       |               | Winchester, Mass.      | 3,000           |
|                              | 1879  | Falmouth, Mass.         | Fresh Pond                        |               | Winchester, Mass.      | 3,000           |
|                              | 1879  | Mashpee, Mass.          | Crystal Lake                      |               | Winchester, Mass.      | 6,000           |
|                              | 1879  | Waltham, Mass.          | Hardy's Pond                      | Charles River | Winchester, Mass.      | 2,000           |
|                              | 1880  | Mendon, Mass.           | Nipmug Pond                       |               | Winchester, Mass.      | 15,000          |

|               |             |                            |                        |                   |                   |       |
|---------------|-------------|----------------------------|------------------------|-------------------|-------------------|-------|
|               | 1880        | Pittsfield, Mass.          | Pontoosne Lake         | Winchester, Mass. | 18,000            |       |
|               | 1880        | Holliston, Mass.           | Pond                   | Winchester, Mass. | 5,000             |       |
|               | 1880        | Ashburnham, Mass.          | Saukeag Lake           | Winchester, Mass. | 10,000            |       |
|               | 1880        | Sharon, Mass.              | Pond                   | Winchester, Mass. | 5,000             |       |
|               | 1880        | Groton, Mass.              | Pond                   | Winchester, Mass. | 4,000             |       |
|               | 1880        | Brewster, Mass.            | Pond                   | Winchester, Mass. | 8,000             |       |
|               | 1880        | Falmouth, Mass.            | Fresh Pond             | Winchester, Mass. | 4,000             |       |
|               | 1880        | Waltham, Mass.             | Hardy's Pond.          | Charles River     | Winchester, Mass. | 2,000 |
|               | 1880        | Otis, Mass.                | Pond                   | Winchester, Mass. | 6,000             |       |
|               | 1880        | Wenham, Mass.              | Wenham Lake            | Winchester, Mass. | 8,000             |       |
|               | 1880        | Millbury, Mass.            | Ponds                  | Winchester, Mass. | 4,000             |       |
|               | 1880        | Sauwich, Mass.             | Spectacle Pond         | Winchester, Mass. | 2,000             |       |
|               | 1880        | Braintree, Mass.           | Great Pond             | Winchester, Mass. | 4,000             |       |
|               | 1880        | Rochester, Mass.           | Mary's Pond            | Winchester, Mass. | 4,000             |       |
|               | 1880        | Stockbridge, Mass.         | Lake Mahkennac         | Winchester, Mass. | 20,000            |       |
|               | 1880        | Great Barrington, Mass.    | Lake Noel              | Winchester, Mass. | 20,000            |       |
|               | 1880        | Melrose, Mass.             | Pond                   | Winchester, Mass. | 2,000             |       |
|               | 1880        | Westfield, Mass.           | Congamond Lake         | Winchester, Mass. | 20,000            |       |
|               | 1880        | Yarmouth, Mass.            | Ponds                  | Winchester, Mass. | 8,000             |       |
|               | 1880        | Winchester, Mass.          | Wedge Pond             | Winchester, Mass. | 3,500             |       |
|               | 1880        | Medford, Mass.             | Mystic Lake            | Winchester, Mass. | 3,500             |       |
| Michigan      | 1874        | Pokagon, Mich.             | Dowagiac Creek         | Pokagon, Mich.    | 2,000             |       |
| May 18, 1876  |             | Richland, Mich.            | Parker Lake            | Pokagon, Mich.    | 4,000             |       |
| May 18, 1876  |             | Kalamazoo County, Mich.    | Long Lake              | Pokagon, Mich.    | 1,000             |       |
| May 19, 1876  |             | Kalamazoo County, Mich.    | Log Lake               | Pokagon, Mich.    | 5,000             |       |
| June 1, 1876  |             | Calhoun County, Mich.      | Hamblin Lake           | Pokagon, Mich.    | 2,000             |       |
| June 1, 1876  |             | Calhoun County, Mich.      | Gognac Lake            | Pokagon, Mich.    | 3,000             |       |
| June 1, 1876  |             | Calhoun County, Mich.      | Reese Ponds            | Pokagon, Mich.    | 1,000             |       |
| June 1, 1876  |             | Marshall, Mich.            | Reed's Ponds           | Pokagon, Mich.    | 3,000             |       |
| 1878          |             | Niles, Mich.               | Tinkham Lake           | Pokagon, Mich.    | 5,000             |       |
| 1878          |             | Calhoun County, Mich.      | Metcalf Lake           | Pokagon, Mich.    | 4,000             |       |
| 1878          |             | Battle Creek, Mich.        | Gognac Lake            | Pokagon, Mich.    | 4,000             |       |
| 1878          |             | Surry, Mich.               | Crooked Lake           | Pokagon, Mich.    | 4,500             |       |
| 1878          |             | Clare County, Mich.        | Roney Lake             | Pokagon, Mich.    | 1,500             |       |
| 1878          |             | Pierson, Mich.             | Whitefish Lake         | Pokagon, Mich.    | 7,000             |       |
| 1878          |             | Northville, Mich.          | Rough River            | Northville, Mich. | 4,500             |       |
| 1880          |             | Roscommon County, Mich.    | Higgins Lake           | Pokagon, Mich.    | 20,000            |       |
| Minnesota     | June—, 1875 | Fond du Lac, Minn.         | Saint Louis River      | Lake Superior     | Red Wing, Minn.   | 500   |
| June—, 1875   |             | Ramsey County, Minn.       | White Bear Lake        |                   | Red Wing, Minn.   | 500   |
| June—, 1875   |             | Ramsey County, Minn.       | Bass Lake              |                   | Red Wing, Minn.   | 100   |
| June—, 1875   |             | Ramsey County, Minn.       | Lake Como              |                   | Red Wing, Minn.   | 100   |
| June—, 1875   |             | Ramsey County, Minn.       | Lake Johanna           |                   | Red Wing, Minn.   | 100   |
| June—, 1875   |             | Rice County, Minn.         | Near Faribault         |                   | Red Wing, Minn.   | 300   |
| June—, 1875   |             | Rice County, Minn.         | Northfield Lake        |                   | Red Wing, Minn.   | 150   |
| June—, 1875   |             | Waseca County, Minn.       | Lake Elysian           |                   | Red Wing, Minn.   | 500   |
| June—, 1875   |             | Breckenridge County, Minn. | Red River of the North |                   | Red Wing, Minn.   | 500   |
| June—, 1875   |             | Steele County, Minn.       | Near Owatonna          |                   | Red Wing, Minn.   | 500   |
| June—, 1875   |             | Becker County, Minn.       | Detroit Lake           |                   | Red Wing, Minn.   | 200   |
| June—, 1875   |             | Hennepin County, Minn.     | Minnetonka Lake        |                   | Red Wing, Minn.   | 1,000 |
| June—, 1875   |             | Meeker County, Minn.       | Near Litchfield        |                   | Red Wing, Minn.   | 100   |
| June—, 1875   |             | Red Wing, Minn.            | Otter River            |                   | Red Wing, Minn.   | 200   |
| Apr. 14, 1877 |             | Red Wing, Minn.            | Skillman Pond          |                   | Red Wing, Minn.   | 250   |

D.—TABLE III.—Distribution of Schoodic salmon from 1874 to 1880, inclusive—Continued.

| State.           | Date.         | Locality.              | Waters in which fish were placed. | Tributary of—     | Where finally hatched.     | Number of fish. |
|------------------|---------------|------------------------|-----------------------------------|-------------------|----------------------------|-----------------|
| Minnesota—Cont'd | Apr. 14, 1877 | Ramsey County, Minn.   | White Bear Lake                   |                   | Red Wing, Minn.            | 7,500           |
|                  | 1878          | Ramsey County, Minn.   | McCann's Lake                     |                   | Red Wing, Minn.            | 3,500           |
|                  | 1878          | Ramsey County, Minn.   | Rice Pond                         |                   | Red Wing, Minn.            | 3,500           |
|                  | 1878          | Rice County, Minn.     | Northfield Lake                   |                   | Red Wing, Minn.            | 1,000           |
|                  | May —, 1879   | Cass County, Minn.     | Sandy Lake                        |                   | Willow Brook and Red Wing. | 5,000           |
|                  | May —, 1879   | Dakota County, Minn.   | Spring Lake                       |                   | Willow Brook and Red Wing. | 5,000           |
|                  | May —, 1879   | Houston County, Minn.  | Lake Como                         |                   | Willow Brook and Red Wing. | 3,000           |
|                  | June —, 1879  | Houston County, Minn.  | Barnum's Pond                     |                   | Willow Brook and Red Wing. | 500             |
|                  | June —, 1879  | Duluth, Minn.          | Canosis Lake                      |                   | Willow Brook and Red Wing. | 5,000           |
|                  | June —, 1879  | Rice County, Minn.     | Robert's Lake                     |                   | Willow Brook and Red Wing. | 4,000           |
|                  | June —, 1879  | Rice County, Minn.     | Cedar Lake                        |                   | Willow Brook and Red Wing. | 4,000           |
|                  | June —, 1879  | Watonwan County, Minn. | Long Lake                         |                   | Willow Brook and Red Wing. | 3,000           |
|                  | June —, 1879  | Martin County, Minn.   | Cedar Lake                        |                   | Willow Brook and Red Wing. | 3,000           |
|                  | July —, 1879  | Renville County, Minn. | Lake Alley                        |                   | Willow Brook and Red Wing. | 5,000           |
|                  | July —, 1879  | Renville County, Minn. | Lake Preston                      |                   | Willow Brook and Red Wing. | 5,000           |
|                  | July —, 1879  | Wabasha County, Minn.  | Steeleman's Pond                  |                   | Willow Brook and Red Wing. | 5,000           |
|                  | July —, 1879  | Rice County, Minn.     | Cannon River                      |                   | Willow Brook and Red Wing. | 1,000           |
| New Hampshire..  | 1878          | Madison, N. H.         | Silver Lake                       |                   | Winchester, Mass.          | 5,000           |
|                  | 1878          | New Durham, N. H.      | Merry Meeting Lake                |                   | Winchester, Mass.          | 5,000           |
|                  | 1878          | Newbury, N. H.         | Sunapee Lake                      |                   | Winchester, Mass.          | 6,000           |
|                  | 1878          | Granatham, N. H.       | Stocker's Pond                    |                   | Winchester, Mass.          | 4,000           |
|                  | May —, 1879   | Raymond, N. H.         | Jones' Pond                       |                   | Plymouth, N. H.            | 5,000           |
|                  | May —, 1879   | New Durham, N. H.      | Merry Meeting Lake                |                   | Plymouth, N. H.            | 5,000           |
|                  | May —, 1879   | Wakefield, N. H.       | East Lake                         |                   | Plymouth, N. H.            | 5,000           |
|                  | May —, 1879   | Ossipee, N. H.         | Ossipee Lake                      |                   | Plymouth, N. H.            | 5,000           |
|                  | May —, 1879   | Manchester, N. H.      | Massabesic Lake                   |                   | Plymouth, N. H.            | 5,000           |
|                  | May —, 1879   | Piermont, N. H.        | Tarleton Pond                     |                   | Plymouth, N. H.            | 5,000           |
|                  | June —, 1879  | Newbury, N. H.         | Sunapee Lake                      |                   | Plymouth, N. H.            | 10,000          |
|                  | June —, 1879  | Springfield, N. H.     | Star Pond                         |                   | Plymouth, N. H.            | 1,500           |
|                  | June —, 1879  | Franconia, N. H.       | Echo Lake                         |                   | Plymouth, N. H.            | 2,500           |
|                  | June —, 1879  | Bridgewater, N. H.     | Newfound Lake                     |                   | Plymouth, N. H.            | 5,000           |
|                  | June —, 1879  | Holderness, N. H.      | Squam Lake                        |                   | Plymouth, N. H.            | 10,000          |
|                  | June —, 1879  | Enfield, N. H.         | Masconia Lake                     |                   | Plymouth, N. H.            | 5,000           |
|                  | June —, 1879  | Pittsburgh, N. H.      | Connecticut Lake                  |                   | Plymouth, N. H.            | 8,000           |
|                  | June —, 1879  | Centre Harbor, N. H.   | Winnepesaukee Lake                |                   | Plymouth, N. H.            | 5,000           |
|                  | July —, 1879  | Sandwich, N. H.        | Pond                              |                   | Plymouth, N. H.            | 5,000           |
|                  | July —, 1879  | Manchester, N. H.      | Nutt's Pond                       |                   | Plymouth, N. H.            | 5,000           |
|                  | July —, 1879  | Bradford, N. H.        | Bradford's Pond                   |                   | Plymouth, N. H.            | 5,000           |
|                  | July —, 1879  | Northfield, N. H.      | Chestnut Pond                     |                   | Plymouth, N. H.            | 2,000           |
|                  | July —, 1879  | Cheshire County, N. H. | Sundry Ponds                      |                   | Plymouth, N. H.            | 10,000          |
|                  | May 4, 1880   | Nelson, N. H.          | Tolman Pond                       | Merrimack River.  | Plymouth, N. H.            | 4,000           |
|                  | May 13, 1880  | Sandwich, N. H.        | Adams Pond                        | Merrimack River.  | Plymouth, N. H.            | 1,500           |
|                  | May 18, 1880  | Laconia, N. H.         | Winnepesaukee Lake                | Merrimack River.  | Plymouth, N. H.            | 5,000           |
|                  | May 19, 1880  | Stark, N. H.           | North Pond                        | Connecticut River | Plymouth, N. H.            | 4,000           |

|                    |               |                               |                    |                            |                   |        |
|--------------------|---------------|-------------------------------|--------------------|----------------------------|-------------------|--------|
|                    | May 20, 1880  | Pittsfield, N. H.             | Berry Pond         | Merrimack River            | Plymouth, N. H.   | 1,200  |
|                    | May 21, 1880  | Chesterfield, N. H.           | Snofford Lake      | Connecticut River          | Plymouth, N. H.   | 3,000  |
|                    | May 21, 1880  | Epsom, N. H.                  | Chestnut Pond      |                            | Plymouth, N. H.   | 1,250  |
|                    | May 25, 1880  | Stewartstown, N. H.           | Diamond Pond       | Connecticut River          | Plymouth, N. H.   | 2,500  |
|                    | May 26, 1880  | Peterborough, N. H.           | Cunningham Pond    | Merrimack River            | Plymouth, N. H.   | 2,500  |
|                    | May 26, 1880  | Rindge, N. H.                 | Emerson Pond       | Merrimack River            | Plymouth, N. H.   | 2,500  |
|                    | May 26, 1880  | Jaffrey, N. H.                | Gilmore Pond       | Merrimack River            | Plymouth, N. H.   | 2,500  |
|                    | May 28, 1880  | Conway, N. H.                 | Walker's Pond      | Saco River                 | Plymouth, N. H.   | 6,000  |
|                    | June 2, 1880  | Nelson, N. H.                 | Newfound Lake      | Merrimack River            | Plymouth, N. H.   | 3,000  |
|                    | June 2, 1880  | Canaan, N. H.                 | Hart's Pond        | Merrimack River            | Plymouth, N. H.   | 2,500  |
|                    | June 8, 1880  | Boscawen, N. H.               | Walker's Pond      | Merrimack River            | Plymouth, N. H.   | 2,000  |
|                    | June 9, 1880  | Benton, N. H.                 | Long Pond          | Connecticut River          | Plymouth, N. H.   | 3,000  |
|                    | June 10, 1880 | Newbury                       | Sunapee Lake       | Connecticut River          | Plymouth, N. H.   | 4,000  |
|                    | June 10, 1880 | Warner, N. H.                 | Bean Pond          | Merrimack River            | Plymouth, N. H.   | 3,000  |
|                    | June 10, 1880 | Acworth, N. H.                | Cold Pond          | Connecticut River          | Plymouth, N. H.   | 3,000  |
|                    | June 14, 1880 | Franconia, N. H.              | Echo Lake          | Connecticut River          | Plymouth, N. H.   | 3,000  |
|                    | June 17, 1880 | Sandwich, N. H.               | North Pond         | Merrimack River            | Plymouth, N. H.   | 2,000  |
| New Jersey.....    | 1878          | Morris County, N. J.          | Green Pond         |                            | Bloomsbury, N. J. | 10,000 |
|                    | 1878          | Sussex County, N. J.          | Morris Pond        |                            | Bloomsbury, N. J. | 9,000  |
|                    | 1878          | Andover, N. J.                | Strabel's Lake     |                            | Bloomsbury, N. J. | 39,000 |
|                    | 1879          | Sussex County, N. J.          | Drake's Pond       | Paulinskill River          | Bloomsbury, N. J. | 1,000  |
|                    | 1879          | Passaic County, N. J.         |                    | Passaic River              | Bloomsbury, N. J. | 2,000  |
|                    | 1879          | Ringwood, N. J.               | Shepherd's Lake    | Passaic River              | Bloomsbury, N. J. | 9,400  |
|                    | 1879          | Oxford, N. J.                 | Greens Pond        | Pequest River              | Bloomsbury, N. J. | 4,000  |
|                    | 1879          | Drakesville, N. J.            | Lake Hopakong      | South Branch Baritan River | Bloomsbury, N. J. | 18,994 |
|                    | Dec. —, 1879  | Morris County, N. J.          | Lakes              |                            | Bloomsbury, N. J. | 18,000 |
|                    | Dec. —, 1879  | Bergen County, N. J.          | Lakes              |                            | Bloomsbury, N. J. | 11,400 |
|                    | Dec. —, 1879  | Warren County, N. J.          | Lakes              |                            | Bloomsbury, N. J. | 4,000  |
| New York.....      | 1878          | Caledonia, N. Y.              | Spring Creek       |                            | Caledonia, N. Y.  | 2,000  |
|                    | 1879          | Herkimer County, N. Y.        | Woodhull Lake      |                            | Caledonia, N. Y.  | 5,000  |
|                    | 1879          | Monroe County, N. Y.          | Allen Creek        | Lake Ontario               | Caledonia, N. Y.  | 10,000 |
|                    | 1879          | Dutchess County, N. Y.        | Silvan Lake        |                            | Clove, N. Y.      | 3,000  |
|                    | 1879          | Dutchess County, N. Y.        | Upton's Pond       |                            | Clove, N. Y.      | 3,000  |
|                    | 1879          | Dutchess County, N. Y.        | Long Pond          |                            | Clove, N. Y.      | 3,000  |
|                    | 1879          | Dutchess County, N. Y.        | Furnace Pond       |                            | Clove, N. Y.      | 10,000 |
|                    | 1879          | Dutchess County, N. Y.        | Little Tishla Pond |                            | Clove, N. Y.      | 5,000  |
| North Carolina.... | Apr. —, 1878  | Morganton, N. C.              | John's River       | Catawba River              | Baltimore, Md.    | 1,000  |
|                    | Apr. —, 1878  | Morganton, N. C.              | Linnville River    | Catawba River              | Baltimore, Md.    | 4,400  |
|                    | Apr. —, 1878  | Charlotte, N. C.              | Ponds              | Catawba River              | Baltimore, Md.    | 500    |
|                    | Apr. —, 1878  | Greensborough, N. C.          | Ponds              | Cape Fear River            | Baltimore, Md.    | 2,000  |
|                    | Apr. —, 1878  | Morganton, N. C.              | Ponds              | Catawba River              | Baltimore, Md.    | 600    |
|                    | Apr. —, 1878  | Salisbury, N. C.              | Ponds              | Yadkin River               | Baltimore, Md.    | 1,000  |
|                    | Apr. —, 1878  | Rockingham, N. C.             | Moyo River         | Dan River                  | Baltimore, Md.    | 3,000  |
|                    | Apr. —, 1878  | Danbury, N. C.                | Dan River          | Roanoke River              | Baltimore, Md.    | 3,000  |
| Ohio.....          | 1876          | Put-in Bay, Ohio              | Lake Erie          |                            | Toledo, Ohio      | 20,000 |
|                    | 1878          |                               | Maumee Rapids      |                            | Toledo, Ohio      | 9,000  |
|                    | 1878          | Fremont, Ohio                 | Sandusky River     |                            | Toledo, Ohio      | 5,000  |
|                    | 1878          | Toledo (12 miles above), Ohio | Maumee River       | Lake Erie                  | Toledo, Ohio      | 12,000 |
|                    | 1879          |                               | Maumee River       | Lake Erie                  | Toledo, Ohio      | 6,000  |
| Pennsylvania.....  | 1878          | Solebury, Pa.                 | Aquetong Lake      | Delaware River             | New Hope, Pa.     | 8,444  |
|                    | 1878          | Schuylkill County, Pa.        | Schuylkill River   | Delaware River             | Marietta, Pa.     | 2,300  |
|                    | 1878          | Wayne County, Pa.             | Jones' Lake        |                            | Marietta, Pa.     | 5,000  |

D.—TABLE III.—Distribution of Schoodie salmon from 1874 to 1880, inclusive—Continued.

| State.                  | Date.         | Locality.                     | Waters in which fish were placed. | Tributary of—                 | Where finally hatched.  | Number of fish. |
|-------------------------|---------------|-------------------------------|-----------------------------------|-------------------------------|-------------------------|-----------------|
| Pennsylvania—Continued. | 1878          | Luzerne County, Pa. ....      | Beaver Lake .....                 |                               | Marietta, Pa. ....      | 2,500           |
|                         | 1878          | Hazleton, Pa. ....            |                                   |                               | Marietta, Pa. ....      | 4,000           |
|                         | 1878          | Pike County, Pa. ....         | Lakes .....                       |                               | Marietta, Pa. ....      | 2,500           |
|                         | 1878          | Monroe County, Pa. ....       | Lakes .....                       |                               | Marietta, Pa. ....      | 2,500           |
|                         | 1878          | Somerset County, Pa. ....     |                                   |                               | Marietta, Pa. ....      | 250             |
|                         | 1878          | Wilkes Barre, Pa. ....        | Harvey's Lake. ....               | Susquehanna River .....       | Marietta, Pa. ....      | 5,000           |
|                         | 1878          | Wayne County, Pa. ....        |                                   |                               | Marietta, Pa. ....      | 5,000           |
|                         | 1878          | Warren County, Pa. ....       | Pond .....                        |                               | Corry, Pa. ....         | 7,000           |
|                         | 1878          | Corry, Pa. ....               | Hatching ponds .....              |                               | Corry, Pa. ....         | 3,000           |
|                         | 1879          | Wilkes Barre, Pa. ....        | Harvey's Lake. ....               | Susquehanna River .....       | Marietta, Pa. ....      | 6,000           |
|                         | 1879          | Scranton, Pa. ....            | Tobyhanna Lake .....              | Lehigh River .....            | Marietta, Pa. ....      | 3,000           |
|                         | 1879          | Scranton, Pa. ....            | Paupook Lake. ....                | Lehigh River .....            | Marietta, Pa. ....      | 11,500          |
|                         | 1879          | White Haven, Pa. ....         | Big Pond .....                    | Lehigh River .....            | Marietta, Pa. ....      | 1,500           |
|                         | 1879          | White Haven, Pa. ....         | Moses Wood Pond .....             | Lehigh River .....            | Marietta, Pa. ....      | 1,500           |
|                         | 1879          | Erie, Pa. ....                | Bay .....                         | Lake Erie .....               |                         | 10,000          |
|                         | 1879          | Potter County, Pa. ....       |                                   |                               | Corry, Pa. ....         | 2,000           |
|                         | Apr. 8, 1880  | Luzerne County, Pa. ....      | Bear Lake .....                   | Susquehanna River .....       | Marietta, Pa. ....      | 5,000           |
|                         | Apr. 8, 1880  | Susquehanna County, Pa. ....  | Heart Lake .....                  | Susquehanna River .....       | Marietta, Pa. ....      | 4,000           |
|                         | Apr. 8, 1880  | Susquehanna County, Pa. ....  | Tippley Lake .....                | Wyalusing Creek .....         | Marietta, Pa. ....      | 1,000           |
|                         | Apr. 12, 1880 | Lancaster County, Pa. ....    | Donegal Run .....                 | Susquehanna River .....       | Marietta, Pa. ....      | 500             |
|                         | 1880          | Erie County, Pa. ....         | Conneaut Creek .....              |                               | Corry, Pa. ....         | 2,000           |
|                         | 1880          | Erie County, Pa. ....         | Le Boeuf Creek .....              |                               | Corry, Pa. ....         | 2,000           |
|                         | 1880          | Erie County, Pa. ....         | French Creek .....                |                               | Corry, Pa. ....         | 2,000           |
|                         | 1880          | Westmoreland County, Pa. .... | Allegheny River .....             | Ohio River .....              | Corry, Pa. ....         | 2,000           |
| Rhode Island .....      | 1876          | Barrillville, R. I. ....      | Wallum Pond .....                 | Swamp Pascoag Reservoir ..... | Ponegansett, R. I. .... | 2,500           |
|                         | 1876          | North Scituate, R. I. ....    | Moswansicut Pond .....            |                               | Ponegansett, R. I. .... | 2,500           |
|                         | 1876          | North Scituate, R. I. ....    | Steers' Pond .....                |                               | Ponegansett, R. I. .... | 2,500           |
|                         | 1876          | Foster, R. I. ....            | Soarles' Pond .....               | Pawtuxet River .....          | Ponegansett, R. I. .... | 2,500           |
|                         | 1876          | Foster, R. I. ....            | Lilly Pond .....                  | Pawtuxet River .....          | Ponegansett, R. I. .... | 2,500           |
|                         | 1876          | Warwick, R. I. ....           | Gorton's Pond .....               | Providence River .....        | Ponegansett, R. I. .... | 2,500           |
|                         | 1876          | Warwick, R. I. ....           | Warwick Pond .....                | Providence River .....        | Ponegansett, R. I. .... | 2,500           |
|                         | 1876          | Richmond, R. I. ....          | Beach Pond .....                  | Beaver River .....            | Ponegansett, R. I. .... | 2,100           |
|                         | 1876          | Barrillville, R. I. ....      | Wallum Pond .....                 | Swamp Pascoag Reservoir ..... | Ponegansett, R. I. .... | 5,000           |
|                         | 1876          | Kingston, R. I. ....          | Warden's Pond .....               | Pawcatuck River .....         | Ponegansett, R. I. .... | 2,000           |
|                         | 1876          | North Scituate, R. I. ....    | Moswansicut Pond .....            |                               | Ponegansett, R. I. .... | 2,000           |
|                         | 1876          | North Scituate, R. I. ....    | Steer's Pond .....                |                               | Ponegansett, R. I. .... | 500             |
|                         | 1880          |                               |                                   | Seneca River .....            | N. C. Hatchery .....    | 8,000           |
| South Carolina .....    | 1880          |                               | Hampton Creek .....               |                               |                         | 3,000           |
|                         | 1880          |                               | Mill Creek .....                  |                               |                         | 4,000           |
|                         | 1880          |                               |                                   |                               |                         | 4,000           |
| Vermont. ....           | Apr. 10, 1876 | Fairfield, Vt. ....           | Fairfield Pond .....              |                               |                         | 5,000           |
|                         | May 2, 1876   | Franklin, Vt. ....            | Franklin Pond .....               |                               |                         | 5,000           |
|                         | May 3, 1876   | Salisbury, Vt. ....           | Dunmore Lake .....                |                               |                         | 5,000           |
|                         | May 4, 1876   | Essex, Vt. ....               | Winooki River .....               |                               |                         | 6,000           |
|                         | May 11, 1876  | Washington County, Vt. ....   | Kettle Pond .....                 |                               |                         | 1,000           |

|                    |               |                              |                               |                          |                          |  |        |
|--------------------|---------------|------------------------------|-------------------------------|--------------------------|--------------------------|--|--------|
| Virginia.....      | May 13, 1876  | Barton, Vt.....              | Barton Pond.....              |                          |                          |  | 1,500  |
|                    | 1876          | Brattleborough, Vt.....      |                               |                          |                          |  | 2,000  |
|                    | 1876          | Castleton, Vt.....           | Ponds.....                    |                          |                          |  | 4,000  |
|                    | 1876          | Hubbardton, Vt.....          | Ponds.....                    |                          |                          |  | 3,000  |
|                    | 1876          | Orwell, Vt.....              | Ponds.....                    |                          |                          |  | 3,000  |
|                    | 1876          | Bennington County, Vt.....   | Ponds.....                    |                          |                          |  | 2,000  |
|                    | May 13, 1876  | Barnet, Vt.....              | Harvey's Pond.....            | Connecticut River.....   |                          |  | 1,000  |
|                    | May 19, 1876  | Morgan, Vt.....              | Seymour Lake.....             |                          |                          |  | 1,500  |
|                    | 1876          | Saint Johnsbury, Vt.....     | Small ponds.....              | Connecticut River.....   | Saint Johnsbury, Vt..... |  | 3,000  |
|                    | 1876          | Danville, Vt.....            | Joe's Pond.....               | Connecticut River.....   | Saint Johnsbury, Vt..... |  | 6,000  |
|                    | 1876          | Waterford, Vt.....           | Style's Pond.....             | Connecticut River.....   | Saint Johnsbury, Vt..... |  | 3,000  |
|                    | 1876          | Westmore, Vt.....            | Lake Willoughby.....          | Lake Memphremagog.....   | Saint Johnsbury, Vt..... |  | 3,500  |
|                    | 1876          | Barton, Vt.....              | Bellwater Pond.....           | Lake Memphremagog.....   | Saint Johnsbury, Vt..... |  | 3,500  |
|                    | 1876          | Greensborough, Vt.....       | Greensborough Pond.....       |                          | Saint Johnsbury, Vt..... |  | 2,500  |
|                    | 1876          | Barnet, Vt.....              | Harvey's Pond.....            | Connecticut River.....   | Saint Johnsbury, Vt..... |  | 2,500  |
|                    | 1875          | Central, Va.....             | New River.....                |                          |                          |  | 2,500  |
|                    | 1877          |                              | Shenandoah.....               | South Branch.....        |                          |  | 3,000  |
|                    | 1877          | Smyth County, Va.....        | Holston River.....            |                          |                          |  | 1,000  |
|                    | 1877          | Rockbridge County, Va.....   | Irish Creek.....              |                          |                          |  | 250    |
|                    | 1877          | Nelson County, Va.....       | Tye River.....                |                          |                          |  | 2,750  |
|                    | 1877          | Rockbridge County, Va.....   | Buffalo Creek.....            | James River.....         |                          |  | 3,500  |
| West Virginia..... | 1877          | Wytheville, Va.....          | New River.....                | Kanawha River.....       |                          |  | 3,000  |
|                    | 1876          |                              | Tom's River.....              | New River.....           |                          |  | 22,000 |
|                    | 1876          |                              | Stronble's Creek.....         | New River.....           |                          |  | 5,000  |
|                    | 1876          | Wytheville, Va.....          | Pond.....                     | New River.....           | Blacksburgh, Va.....     |  | 2,000  |
|                    | 1876          | Blacksburgh, Va.....         | Streams.....                  | New River.....           | Blacksburgh, Va.....     |  | 8,000  |
|                    | 1876          | Lexington, Va.....           | North River.....              | James River.....         | Lexington, Va.....       |  | 300    |
|                    | May 31, 1879  | Farmville, Va.....           | Appomattox River.....         | James River.....         | Lexington, Va.....       |  | 6,000  |
|                    | June 7, 1879  | Lexington, Va.....           | South River.....              | James River.....         | Lexington, Va.....       |  | 2,500  |
|                    | June 9, 1879  | Staunton, Va.....            | Middle River.....             | Shenandoah River.....    | Lexington, Va.....       |  | 6,500  |
|                    | June 12, 1879 | Lexington, Va.....           | Buffalo Creek.....            | James River.....         | Lexington, Va.....       |  | 250    |
|                    | June 14, 1879 | Lexington, Va.....           | McKee's Spring.....           | James River.....         | Lexington, Va.....       |  | 300    |
|                    | June 16, 1879 | Clifton Forge, Va.....       | Jackson River.....            | James River.....         | Lexington, Va.....       |  | 6,500  |
|                    | July 7, 1879  | Fincastle, Va.....           | Craig's Creek.....            | James River.....         | Lexington, Va.....       |  | 2,800  |
|                    | July 23, 1879 | Lexington, Va.....           | North River.....              | James River.....         | Lexington, Va.....       |  | 2,500  |
|                    | Mar. 25, 1880 | Wytheville, Va.....          | Barrel's Pond.....            | New River.....           | Wytheville, Va.....      |  | 4,000  |
|                    | Mar. 29, 1880 | Salem, Va.....               | Lake Spring.....              | Roanoke River.....       | Wytheville, Va.....      |  | 250    |
|                    | Mar. 31, 1880 | Wythe Lead Mines, Va.....    | New River.....                | Kanawha River.....       | Wytheville, Va.....      |  | 8,000  |
|                    | April 2, 1880 | Saltsville, Va.....          | North Fork Holston River..... | Holston River.....       | Wytheville, Va.....      |  | 7,000  |
|                    | April 5, 1880 | Central, Va.....             | New River.....                | Kanawha River.....       | Wytheville, Va.....      |  | 4,000  |
|                    | April 5, 1880 | Wytheville, Va.....          | New River.....                | Kanawha River.....       | Wytheville, Va.....      |  | 250    |
| West Virginia..... | 1876          | Wetzel County, W. Va.....    | Fishing Creek.....            |                          | Romney, W. Va.....       |  | 5,000  |
|                    | 1876          | Parkersburg, W. Va.....      | Bartlett's Pond.....          |                          | Romney, W. Va.....       |  | 100    |
|                    | 1876          | Marion County, W. Va.....    | Dent's River.....             |                          | Romney, W. Va.....       |  | 200    |
|                    | 1876          | Marion County, W. Va.....    | Meadow Run.....               |                          | Romney, W. Va.....       |  | 200    |
|                    | 1876          | Marion County, W. Va.....    | Branch of Buffalo Creek.....  |                          | Romney, W. Va.....       |  | 100    |
|                    | 1876          | Marion County, W. Va.....    | Priebard's Run.....           |                          | Romney, W. Va.....       |  | 200    |
|                    | 1876          | Marion County, W. Va.....    | Buffalo Creek.....            |                          | Romney, W. Va.....       |  | 100    |
|                    | 1876          | Hampshire County, W. Va..... | Mill Creek.....               |                          | Romney, W. Va.....       |  | 500    |
|                    | 1876          | Hampshire County, W. Va..... | Dillon's Creek.....           |                          | Romney, W. Va.....       |  | 800    |
|                    | 1876          | Barry County, W. Va.....     | Trout Run.....                |                          | Romney, W. Va.....       |  | 300    |
|                    | 1876          | Randolph County, W. Va.....  | Tributaries.....              | Tygart's Valley Run..... | Romney, W. Va.....       |  | 1,000  |

D.—TABLE III.—Distribution of Schoodic salmon from 1874 to 1880, inclusive—Continued.

| State.                       | Date. | Nearst post-office, town, or village.      | Waters in which fish were placed.     | Tributary of—                     | Where usually hatched. | Number of fish. |
|------------------------------|-------|--------------------------------------------|---------------------------------------|-----------------------------------|------------------------|-----------------|
| West Virginia—<br>Continued. | 1879  | Romney, W. Va.....                         | Pond at Institution for Deaf.         | Potomac River .....               | Romney, W. Va.....     | 400             |
|                              | 1879  | Hampshire County, W. Va...                 | Dillon's Run .....                    | Potomac River .....               | Romney, W. Va.....     | 600             |
|                              | 1879  | Parkersburgh, W. Va.....                   | Pond .....                            | Potomac River .....               | Romney, W. Va.....     | 200             |
|                              | 1879  | Romney, W. Va.....                         | Fountain at Institution for Deaf etc. | Potomac River .....               | Romney, W. Va.....     | 50              |
|                              | 1879  | Clarksburgh, W. Va.....                    | West Fork .....                       | Monongahela River .....           | Romney, W. Va.....     | 2,000           |
|                              | 1879  | Weston, W. Va.....                         | West Fork .....                       | Monongahela River .....           | Romney, W. Va.....     | 1,500           |
|                              | 1879  | Cold Spring, W. Va.....                    | Whedding Creek .....                  | Ohio River .....                  | Romney, W. Va.....     | 5,000           |
|                              | 1879  | Littleton, W. Va.....                      | Fish Creek .....                      | Ohio River .....                  | Romney, W. Va.....     | 5,000           |
|                              | 1879  | White Sulphur Springs, W. Va               | Dry Fork .....                        | Greenbrier River .....            | Romney, W. Va.....     | 3,000           |
|                              | 1879  | Williamsport, W. Va.....                   | William's Spring .....                | Patterson's Creek .....           | Romney, W. Va.....     | 1,000           |
|                              | 1879  | Hamot's Mill, Hampshire County, W. Va..... | Mill Creek .....                      | Potomac River .....               | Romney, W. Va.....     | 500             |
|                              | 1879  | Hamot's Mill, Hampshire County, W. Va..... | Mill Creek .....                      | Potomac River .....               | Romney, W. Va.....     | 1,500           |
|                              | 1879  | Hampshire County, W. Va.....               | Tributaries .....                     | South Branch, Potomac River ..... | Romney, W. Va.....     | 3,000           |
|                              | 1879  | Romney, W. Va.....                         | Tributaries .....                     | South Branch, Potomac River ..... | Romney, W. Va.....     | 15,000          |
|                              | 1879  | Hinton, W. Va.....                         | Greenbrier River .....                | New River .....                   | Romney, W. Va.....     | 5,000           |
|                              | 1876  | Madison, Wis.....                          | Lake .....                            | .....                             | Palmer's Hatchery..... | 10,000          |
|                              | 1876  | .....                                      | Oconomowoc Lake.....                  | .....                             | .....                  | 10,000          |
|                              | 1876  | .....                                      | .....                                 | .....                             | .....                  | 10,000          |
|                              | 1876  | Walworth County, Wis.....                  | Geneva Lake .....                     | Illinois River .....              | Geneva Lake .....      | 8,000           |
|                              | 1876  | Walworth County, Wis.....                  | Geneva Lake .....                     | Illinois River .....              | Geneva Lake .....      | 5,000           |
| Wisconsin.....               | 1879  | .....                                      | Clear Lake .....                      | .....                             | Madison, Wis.....      | 2,000           |
|                              | 1879  | .....                                      | Silver Lake .....                     | .....                             | Madison, Wis.....      | 10,000          |
|                              | 1879  | Walworth County, Wis.....                  | Geneva Lake .....                     | .....                             | Madison, Wis.....      | 10,000          |
|                              | 1879  | .....                                      | Nagawicka Lake .....                  | .....                             | Madison, Wis.....      | 12,000          |
|                              | 1879  | .....                                      | Green River .....                     | .....                             | Madison, Wis.....      | 3,000           |
|                              | 1879  | .....                                      | .....                                 | .....                             | .....                  | .....           |

D.—TABLE IV.—Distribution of Penobscot salmon from 1873 to 1880, inclusive.

| State.            | Date.         | Locality.             | Tributaries.          | Waters stocked.    | Where finally hatched. | Number of fish. |
|-------------------|---------------|-----------------------|-----------------------|--------------------|------------------------|-----------------|
| California .....  | 1874          | Rodding, Cal.         |                       | Sacramento River   |                        | 305             |
| Connecticut ..... | 1873          |                       |                       | Saugatuck River    | Poquonock, Conn.       | 1,300           |
|                   | 1873          |                       |                       | Southport River    | Poquonock, Conn.       | 1,360           |
|                   | 1873          |                       | Tributaries           | Connecticut River  | Poquonock, Conn.       | 34,680          |
|                   | 1873          |                       | Main River            | Mystic River       | Westport, Conn.        | 1,516           |
|                   | 1873          |                       | Tributaries           | Thames River       | Westport, Conn.        | 3,032           |
|                   | 1873          | North Branford, Conn. |                       | Main River         | North Branford, Conn.  | 10,616          |
|                   | 1874          |                       | Main River            | Housatonic River   | North Branford, Conn.  | 21,233          |
|                   | 1873          | New Hartford, Conn.   | Farmington River      | Connecticut River  | Westport, Conn.        | 65,000          |
|                   | 1873          | New Milford, Conn.    | Butter Brook          | Housatonic River   | Westport, Conn.        | 20,000          |
|                   | 1873          | Guilford, Conn.       | Guilford Creek        |                    | Westport, Conn.        | 10,000          |
|                   | 1873          | Williamantic, Conn.   | Shetucket River       | Thames River       | Westport, Conn.        | 10,000          |
|                   | 1873          | Southport, Conn.      | Mill River            |                    | Westport, Conn.        | 5,600           |
|                   | 1873          | Westport, Conn.       | Saugatuck River       |                    | Westport, Conn.        | 5,000           |
|                   | May 13, 1877  | Southport, Conn.      | Mill River            |                    | Westport, Conn.        | 2,500           |
|                   | May 16, 1877  | New Milford, Conn.    | Housatonic River      | Long Island Sound  | Westport, Conn.        | 12,500          |
|                   | May 17, 1877  |                       | Natchaug Branch       | Thames River       | Westport, Conn.        | 12,500          |
|                   | May 19, 1877  | New Hartford, Conn.   | Farmington River      | Connecticut River  | Westport, Conn.        | 72,100          |
| Illinois .....    | 1874          | Kensington, Ill.      | Calumet River         | Lake Michigan      | Pokagon, Mich.         | 10,000          |
|                   | 1874          | Wildwood, Ill.        | Calumet River         | Lake Michigan      | Pokagon, Mich.         | 8,000           |
|                   | 1874          | South Lawn, Ill.      | Calumet River         | Lake Michigan      | Pokagon, Mich.         | 7,000           |
|                   | 1873          | Elgin, Ill.           | Fox River             | Illinois River     | Elgin, Ill.            | 10,000          |
| Iowa .....        | May —, 1873   | Dubuque, Iowa         | Dubuque Creek         | Mississippi River  | Anamosa, Iowa          | 3,000           |
|                   | June 6, 1873  | Council Bluffs, Iowa  |                       | Mississippi River  | Anamosa, Iowa          | 10,000          |
|                   | June 6, 1873  | Cedar Rapids, Iowa    | Cedar River           | Mississippi River  | Anamosa, Iowa          | 4,000           |
|                   | June 10, 1873 | Waverly, Iowa         |                       | Mississippi River  | Anamosa, Iowa          | 25,000          |
|                   | June 17, 1873 | West Union, Iowa      | Turkey River          | Mississippi River  | Anamosa, Iowa          | 15,000          |
|                   | 1873          | Marshalltown, Iowa    | Iowa River            | Mississippi River  | Anamosa, Iowa          | 5,000           |
|                   | July 2, 1873  | Manchester, Iowa      | Maquoketa River       | Mississippi River  | Anamosa, Iowa          | 2,000           |
|                   | July 2, 1873  | Worthington, Iowa     | North Maquoketa River | Mississippi River  | Anamosa, Iowa          | 2,000           |
|                   | July 3, 1873  | Mumouth, Iowa         | Bear Creek            | Mississippi River  | Anamosa, Iowa          | 4,000           |
|                   | June 23, 1876 |                       | Boyer River           | Missouri River     | Anamosa, Iowa          | 5,000           |
|                   | July 14, 1876 |                       | Clear Lake            | Coon River         | Anamosa, Iowa          | 10,000          |
|                   | July 14, 1876 |                       | Marion Lake           |                    | Anamosa, Iowa          | 10,000          |
|                   | July 14, 1876 | Emmet County, Iowa    | Lakes                 |                    | Anamosa, Iowa          | 10,000          |
|                   | July 24, 1876 |                       | Storm Lake            | Coon River         | Anamosa, Iowa          | 20,000          |
|                   | July 24, 1876 |                       | Spirit Lake           | Sioux River        | Anamosa, Iowa          | 10,000          |
|                   | July 24, 1876 |                       | Twin Lakes            |                    | Anamosa, Iowa          | 5,000           |
| Maine .....       | 1873          |                       |                       | Penobscot River    | Bucksport, Me.         | 50,250          |
|                   | 1873          |                       |                       | Saint Croix River  | Bucksport, Me.         | 7,500           |
|                   | 1873          |                       |                       | Androscoggin River | Bucksport, Me.         | 97,000          |
|                   | 1874          | Eaton, Me.            | Mattawamkeag River    | Penobscot River    | Bucksport, Me.         | 22,500          |
|                   | 1874          | Danforth, Me.         | Mattawamkeag River    | Penobscot River    | Bucksport, Me.         | 22,500          |
|                   | 1874          |                       | Salmon Streams        | Penobscot River    | Bucksport, Me.         | 25,000          |

D.—TABLE IV.—Distribution of Penobscot salmon from 1873 to 1880, inclusive—Continued.

| State.          | Date.         | Locality.            | Tributaries.                     | Waters stocked.     | Where finally hatched.  | Number of fish. |
|-----------------|---------------|----------------------|----------------------------------|---------------------|-------------------------|-----------------|
| Maine—Continued | 1874          | .....                | Tributaries of Baskahegan River. | Penobscot River     | Bucksport, Me           | 5,000           |
|                 | 1874          | .....                | Passadunk River                  | Penobscot River     | Bucksport, Me           | 10,000          |
|                 | 1874          | Whitney Ridge, Me    | Sebois River                     | Penobscot River     | Bucksport, Me           | 25,000          |
|                 | 1874          | Howland, Me          | Sebois River                     | Penobscot River     | Bucksport, Me           | 25,000          |
|                 | 1874          | Milo, Me             | Piscataquis River                | Penobscot River     | Bucksport, Me           | 15,000          |
|                 | 1874          | Brownville, Me       | Pleasant River                   | Penobscot River     | Bucksport, Me           | 15,000          |
|                 | 1874          | Dover, Me            | Piscataquis River                | Penobscot River     | Sebce Lake, Me          | 25,000          |
|                 | 1874          | .....                | Sebce Lake                       | Penobscot River     | Sebce Lake, Me          | 20,000          |
|                 | 1874          | Dobbs Stream, Me     | Schoodic Lake                    | Saint Croix River   | Dobbs Stream, Me        | 10,000          |
|                 | 1874          | .....                | .....                            | Penmaquan River     | Pembroke, Me            | 8,613           |
|                 | 1875          | Howland, Me          | Sebois River                     | Penobscot River     | Bucksport, Me           | 30,000          |
|                 | 1875          | .....                | Madawek Stream                   | Penobscot River     | Bucksport, Me           | 15,000          |
|                 | 1875          | .....                | Salmon Stream                    | Penobscot River     | Bucksport, Me           | 5,000           |
|                 | 1875          | Bancroft, Me         | Mattawamkeag River               | Penobscot River     | Bucksport, Me           | 20,000          |
|                 | 1875          | .....                | .....                            | Penobscot River     | Bucksport, Me           | 45,000          |
|                 | 1875          | .....                | .....                            | Penobscot River     | Bucksport, Me           | 94,000          |
|                 | 1876          | .....                | Penmaquan River                  | .....               | Pembroke, Me            | 35,000          |
|                 | 1876          | .....                | Denny's River                    | .....               | Pembroke, Me            | 35,000          |
|                 | 1876          | Surry, Me            | Patten's Brook                   | .....               | Bucksport, Me           | 100,000         |
|                 | 1876          | Bancroft, Me         | Mattawamkeag River               | Penobscot River     | Bucksport, Me           | 50,000          |
|                 | 1876          | Kingman, Me          | Mattawamkeag River               | Penobscot River     | Bucksport, Me           | 50,000          |
|                 | 1876          | Winn, Me             | .....                            | Penobscot River     | Bucksport, Me           | 50,000          |
|                 | 1876          | Livermore Falls, Me  | Androscoggin River               | .....               | .....                   | 100,000         |
| Maryland        | 1875          | Fort Pendleton, Md   | North Branch                     | Potomac River       | Green Spring Valley, Md | 16,000          |
|                 | 1875          | .....                | Deer Creek                       | Susquehanna River   | Green Spring Valley, Md | 19,000          |
|                 | 1875          | .....                | .....                            | Gunpowder River     | Green Spring Valley, Md | 18,900          |
|                 | 1875          | .....                | .....                            | Patuxent River      | Green Spring Valley, Md | 18,900          |
|                 | Mar. 23, 1880 | .....                | Upper Waters of                  | Susquehanna River   | Druid Hill Park, Md     | 23,000          |
|                 | Mar. 24, 1880 | Mechanicstown, Md    | Hunting Creek                    | Monocacy River      | Druid Hill Park, Md     | 3,000           |
|                 | Apr. 5, 1880  | Oakland, Md          | North Fork                       | Potomac River       | Druid Hill Park, Md     | 10,000          |
| Massachusetts   | Apr. 6, 1880  | Piedmont, Md         | South Fork                       | Potomac River       | Druid Hill Park, Md     | 10,000          |
|                 | Apr. 9, 1880  | Greencastle, Pa      | .....                            | Conococheague River | Druid Hill Park, Md     | 5,000           |
|                 | Apr. 9, 1880  | Gettysburgh, Pa      | Rock Creek                       | Monocacy River      | Druid Hill Park, Md     | 7,729           |
|                 | 1873          | .....                | .....                            | Merrimac River      | Winchester, Mass        | 21,450          |
|                 | 1873          | .....                | .....                            | Mystic River        | Winchester, Mass        | 1,430           |
|                 | 1873          | .....                | .....                            | Red Brook           | Winchester, Mass        | 1,430           |
|                 | 1874          | Palmer, Mass         | Onohang Pond                     | Red Brook           | Westbrook, Conn         | 30,000          |
| Michigan        | 1874          | .....                | Westfield River                  | Connecticut River   | State Hatchery          | 17,000          |
|                 | Spring, 1876  | Cotuit, Mass         | Cotuit River                     | .....               | Winchester, Mass        | 10,000          |
|                 | Spring, 1876  | Lancaster, Mass      | Nashua River                     | .....               | Winchester, Mass        | 40,000          |
|                 | 1873          | Pontiac, Mich        | Lord's Lake                      | Lake Saint Clair    | Clarkston, Mich         | 400             |
|                 | 1873          | Oakland County, Mich | Orchard Lake                     | Lake Saint Clair    | Clarkston, Mich         | 500             |
|                 | 1873          | Oakland County, Mich | Wall's Lake                      | Lake Saint Clair    | Clarkston, Mich         | 500             |
|                 | 1873          | .....                | .....                            | .....               | .....                   | 500             |

|               |              |                        |                                   |                        |                 |        |
|---------------|--------------|------------------------|-----------------------------------|------------------------|-----------------|--------|
|               | 1873         | Washtenaw County, Mich | Whitmore Lake                     | Lake Saint Clair       | Clarkston, Mich | 500    |
|               | 1873         | Hilledale County, Mich | Gun Lake                          | Lake Saint Clair       | Clarkston, Mich | 500    |
|               | 1873         | Hilledale County, Mich | Barrier Lake                      | Lake Saint Clair       | Clarkston, Mich | 500    |
|               | 1873         |                        | Diamond Lake                      | Lake Saint Clair       | Clarkston, Mich | 1,000  |
|               | 1873         |                        | Barrier Lake                      | Lake Erie              | Clarkston, Mich | 500    |
|               | 1873         | Calhoun County, Mich   | Lake near Marshall                | Lake Erie              | Clarkston, Mich | 500    |
|               | 1873         | Hilledale County, Mich | Headwaters Saint Joseph River     | Lake Michigan          | Clarkston, Mich | 500    |
|               | 1873         |                        | North Branch Saint Joseph River   | Lake Michigan          | Clarkston, Mich | 1,000  |
|               | 1873         | Saint Joseph, Mich     | North Branch Saint Joseph River   | Lake Michigan          | Clarkston, Mich | 1,000  |
|               | 1873         |                        | Trilutaries of Saint Joseph River | Lake Michigan          | Clarkston, Mich | 1,500  |
|               | 1873         | Jackson County, Mich   | Headwaters Kalamazoo River        | Lake Michigan          | Clarkston, Mich | 500    |
|               | 1873         | Jackson County, Mich   | Grand River                       | Lake Michigan          | Clarkston, Mich | 500    |
|               | 1873         | Jackson County, Mich   | Muskegon River                    | Lake Michigan          | Clarkston, Mich | 1,500  |
|               | 1873         |                        | Manistee River                    | Lake Michigan          | Clarkston, Mich | 1,500  |
|               | 1873         | Roscommon County, Mich | Au Sable River                    | Lake Huron             | Clarkston, Mich | 2,000  |
|               | 1874         |                        | Pine River                        | Manistee River         | Pokagon, Mich   | 40,000 |
|               | 1874         |                        | Salmon Creek                      | Boardman River         | Pokagon, Mich   | 40,000 |
|               | 1874         | Roscommon County, Mich | Higgin's Lake                     | Muskegon River         | Pokagon, Mich   | 7,000  |
|               | 1874         |                        |                                   | Saint Mary's River     | Pokagon, Mich   | 25,000 |
|               | 1875         |                        | Dowagiac River                    | Saint Joseph River     | Pokagon, Mich   | 5,000  |
| Minnesota     | June —, 1875 | Ramsey County, Minn    | White Bear Lake                   | Chippewa River         | Red Wing, Minn  | 7,000  |
|               | June —, 1875 | Ramsey County, Minn    | Bass Lake                         | Mississippi River      | Red Wing, Minn  | 300    |
|               | June —, 1875 | Ramsey County, Minn    | Como Lake                         | Mississippi River      | Red Wing, Minn  | 500    |
|               | June —, 1875 | Ramsey County, Minn    | Johanna Lake                      | Mississippi River      | Red Wing, Minn  | 500    |
|               | June —, 1875 | Rice County, Minn      | Faribault Lake                    | Mississippi River      | Red Wing, Minn  | 1,000  |
|               | June —, 1875 | Rice County, Minn      | Robert's Lake                     | Mississippi River      | Red Wing, Minn  | 400    |
|               | June —, 1875 | Rice County, Minn      | Dudley Lake                       | Mississippi River      | Red Wing, Minn  | 400    |
|               | June —, 1875 | Rice County, Minn      | Jackson Lake                      | Mississippi River      | Red Wing, Minn  | 400    |
|               | June —, 1875 | Rice County, Minn      | Lakes                             | Mississippi River      | Red Wing, Minn  | 400    |
|               | June —, 1875 | Rice County, Minn      | Barry Hunt's Lake                 | Mississippi River      | Red Wing, Minn  | 400    |
|               | June —, 1875 | Rice County, Minn      | Cedar Lake                        | Mississippi River      | Red Wing, Minn  | 1,000  |
|               | June —, 1875 | Dakota County, Minn    | Farmington River                  | Mississippi River      | Red Wing, Minn  | 500    |
|               | June —, 1875 | Saint Peter, Minn      |                                   | Minnesota River        | Red Wing, Minn  | 800    |
|               | June —, 1875 | Mankato, Minn          |                                   | Minnesota River        | Red Wing, Minn  | 800    |
|               | June —, 1875 | Waseca County, Minn    | Elysian Lake                      | Minnesota River        | Red Wing, Minn  | 1,000  |
|               | June —, 1875 | Breckenridge, Minn     | Red River of the North            | Winnipeg Lake          | Red Wing, Minn  | 3,000  |
|               | June —, 1875 | Crow Wing County, Minn | Winthron Lake                     | Mississippi River      | Red Wing, Minn  | 500    |
|               | June —, 1875 | Crow Wing County, Minn | Brainerd Lake                     | Mississippi River      | Red Wing, Minn  | 500    |
|               | June —, 1875 | Steele County, Minn    | Owatonna Lake                     | Mississippi River      | Red Wing, Minn  | 100    |
|               | June —, 1875 | Becker County, Minn    | Detroit Lake                      | Red River of the North | Red Wing, Minn  | 800    |
|               | June —, 1875 | Freeborn County, Minn  | Albert Lea                        | Mississippi River      | Red Wing, Minn  | 500    |
|               | June —, 1875 | Perham, Minn           | Pine Lakes                        | Red River of the North | Red Wing, Minn  | 500    |
|               | June —, 1875 | Hennepin County, Minn  | Mimnetonka Lake                   | Mississippi River      | Red Wing, Minn  | 1,000  |
|               | June —, 1875 | Wright County, Minn    | Howard Lake                       | Mississippi River      | Red Wing, Minn  | 500    |
|               | June —, 1875 | Litchfield, Minn       | Crow River                        | Mississippi River      | Red Wing, Minn  | 500    |
|               | June —, 1875 | Willmar, Minn          | Foots Lake                        |                        | Red Wing, Minn  | 500    |
|               |              |                        | Otter River                       |                        | Red Wing, Minn  | 800    |
| New Hampshire | 1873         | Woodstock, N. H        | Headwaters                        | Merrimac River         | Meredith, N. H  | 3,000  |

D.—TABLE IV.—Distribution of Penobscot salmon from 1873 to 1880, inclusive—Continued.

| State.                       | Date.         | Locality.                        | Tributaries.               | Waters stocked.   | Where finally hatched. | Number of fish. |
|------------------------------|---------------|----------------------------------|----------------------------|-------------------|------------------------|-----------------|
| New Hampshire—<br>Continued. | 1873          | Thornton, N. H.                  |                            | Merrimac River    | Meredith, N. H.        | 3,000           |
|                              | 1873          | West Campton, N. H.              |                            | Merrimac River    | Meredith, N. H.        | 3,000           |
|                              | 1873          | Campton, N. H.                   |                            | Merrimac River    | Meredith, N. H.        | 3,000           |
|                              | 1873          | Plymouth, N. H.                  |                            | Merrimac River    | Meredith, N. H.        | 2,500           |
|                              | 1874          | Sundry places                    | Headwaters                 | Connecticut River | Concord, N. H.         | 50,000          |
|                              | 1874          | Charlestown, N. H.               |                            | Connecticut River | Charlestown, N. H.     | 15,000          |
|                              | 1874          | Sundry places                    | Headwaters and Tributaries | Connecticut River | Winchester, Mass.      | 97,000          |
|                              | 1875          | Plymouth, N. H.                  | Pemigewasset River         | Merrimac River    | Winchester, Mass.      | 70,000          |
|                              | 1875          |                                  | Contoocook River           | Merrimac River    | Winchester, Mass.      | 10,000          |
|                              | 1876          | Franklin, N. H.                  | Pemigewasset River         | Merrimac River    | Winchester, Mass.      | 50,000          |
|                              | 1876          | Warren, N. H.                    | Baker River                | Merrimac River    | Winchester, Mass.      | 50,000          |
| New Jersey                   | 1873          |                                  | Salmon Run                 | Raritan River     | Bloomsbury, N. J.      | 15,000          |
|                              | 1873          |                                  | Musconetcong River         | Delaware River    | Bloomsbury, N. J.      | 18,000          |
|                              | 1874          |                                  |                            | Delaware River    | Bloomsbury, N. J.      | 12,000          |
|                              | 1874          |                                  | Musconetcong River         | Delaware River    | Bloomsbury, N. J.      | 65,000          |
|                              | 1874          |                                  |                            | Raritan River     | Bloomsbury, N. J.      | 31,000          |
|                              | 1874          |                                  |                            | Hackensack River  | Bloomsbury, N. J.      | 10,000          |
|                              | 1874          |                                  |                            | Passaic River     | Bloomsbury, N. J.      | 50,000          |
|                              | 1875          | Morristown, N. J.                | Whippoorwill River         | Passaic River     | Bloomsbury, N. J.      | 1,000           |
|                              | 1875          | Dover, N. J.                     | Rockaway River             | Passaic River     | Bloomsbury, N. J.      | 1,000           |
|                              | 1875          | South Branch, N. J.              | South Branch               | Raritan River     | Bloomsbury, N. J.      | 3,000           |
|                              | 1875          |                                  | Paulinskill River          | Delaware River    | Bloomsbury, N. J.      | 24,668          |
|                              | 1875          |                                  | Pohatcong River            | Delaware River    | Bloomsbury, N. J.      | 24,668          |
|                              | 1875          |                                  | Musconetcong River         | Delaware River    | Bloomsbury, N. J.      | 24,668          |
|                              | Dec. 26, 1879 | 80 miles north of Trenton, N. J. | Shumaker's Eddy            | Delaware River    | Bloomsbury, N. J.      | 20,572          |
| New York                     | 1873          |                                  |                            | Hudson River      | Caledonia, N. Y.       | 30,000          |
|                              | 1873          |                                  | Salmon River               | Lake Ontario      | Caledonia, N. Y.       | 15,000          |
|                              | 1873          |                                  | Oswego River               | Lake Ontario      | Caledonia, N. Y.       | 15,000          |
|                              | 1873          |                                  | Small tributaries          | Long Island Sound | Bloomsbury, N. J.      | 2,500           |
|                              | 1875          | Monroe County, N. Y.             | Allen's Creek              | Lake Ontario      | Caledonia, N. Y.       | 10,000          |
|                              | 1875          | Rome, N. Y.                      | Mohawk River               | Hudson River      | Caledonia, N. Y.       | 20,000          |
|                              | 1875          | West Plattsburgh, N. Y.          | Saranac River              | Hudson River      | Charlestown, N. H.     | 36,500          |
|                              | 1875          | Peru, N. Y.                      | Salmon River               | Hudson River      | Charlestown, N. H.     | 10,000          |
|                              | 1875          | Ellenburgh, N. Y.                | Chazy River                | Hudson River      | Charlestown, N. H.     | 48,500          |
| Ohio                         | 1873          | Castalia, Ohio                   | Castalia Spring Stream     | Lake Erie         | Castalia, Ohio         | 2,500           |
|                              | 1875          | Toledo, Ohio                     | Maumee River               | Maumee Bay        | Castalia, Ohio         | 10,000          |
|                              | 1875          | Fremont, Ohio                    | Sandusky River             | Sandusky Bay      | Castalia, Ohio         | 10,000          |
|                              | 1875          | Put-in-Bay, Ohio                 |                            | Lake Erie         | Castalia, Ohio         | 30,000          |
| Pennsylvania                 | 1872          | Bushkill, Pa.                    | Bushkill Creek             | Delaware River    | State Hatchery         | 10,000          |
|                              | 1873          | Easton, Pa.                      | Hitzman Spring Brook       | Delaware River    | Easton, Pa.            | 25,000          |
|                              | 1874          | Northampton County, Pa.          | Bushkill Creek             | Delaware River    | Marietta, Pa.          | 55,000          |
|                              | 1874          | Dauphin County, Pa.              | Swatara Creek              | Susquehanna River | Marietta, Pa.          | 30,000          |
|                              | 1874          | Lancaster County, Pa.            | Chippewalonga Creek        | Susquehanna River | Marietta, Pa.          | 25,000          |
|                              | 1874          |                                  | Donegal Creek              | Susquehanna River | Marietta, Pa.          | 12,000          |

|              |               |                        |                       |                   |                      |        |
|--------------|---------------|------------------------|-----------------------|-------------------|----------------------|--------|
| Rhode Island | 1874          |                        | Codon's Creek         | Sasquehanna River | Marietta, Pa.        | 15,000 |
|              | Mar. 23, 1880 | Ralston, Pa.           | Trout Rdn.            | Sasquehanna River | Donegal Springs, Pa. | 12,000 |
|              | Mar. 23, 1880 | Huntingdon, Pa.        | Juniata River         | Sasquehanna River | Donegal Springs, Pa. | 11,000 |
|              | 1873          |                        |                       | Blackstone River  | Ponagansett, R. I.   | 2,000  |
|              | 1873          |                        |                       | Pawtucket River   | Ponagansett, R. I.   | 2,200  |
|              | 1873          |                        |                       | Pawtuxent River   | Ponagansett, R. I.   | 2,200  |
|              | 1874          | 14 places              | Slater's Branch       | Blackstone River  | Ponagansett, R. I.   | 4,000  |
|              | 1874          | 18 places              |                       | Pawtucket River   | Ponagansett, R. I.   | 15,000 |
|              | 1874          | 28 places              |                       | Pawtuxent River   | Ponagansett, R. I.   | 40,000 |
|              | 1875          | 31 places              |                       | Pawtuxent River   | Ponagansett, R. I.   | 10,000 |
| Vermont      | 1875          | 10 places              | Slater's Branch       | Blackstone River  | Ponagansett, R. I.   | 5,000  |
|              | 1876          |                        | Slater's Branch       | Blackstone River  | Ponagansett, R. I.   | 15,000 |
|              | 1876          | Sundry places          | North Branch          | Pawtuxent River   | Ponagansett, R. I.   | 55,000 |
|              | 1876          | Sundry places          | South Branch          | Pawtuxent River   | Ponagansett, R. I.   | 55,000 |
|              | 1873          |                        | Winooski River        | Lake Champlain    | Caledonia, N. Y.     | 3,500  |
|              | 1873          |                        | Lamoille River        | Lake Champlain    | Caledonia, N. Y.     | 3,500  |
|              | 1874          | Wheelock, Vt.          | Pasumpsic tributaries | Connecticut River | Westport, Conn.      | 10,000 |
|              | 1874          | Concord, Vt.           | Connecticut River     | Long Island Sound | Westport, Conn.      | 5,000  |
|              | 1874          | Barnet, Vt.            | Connecticut River     | Long Island Sound | Westport, Conn.      | 30,000 |
|              | 1874          | McIndoe's Falls, Vt.   | Connecticut River     | Long Island Sound | Westport, Conn.      | 25,000 |
|              | 1874          |                        | Wells River           | Connecticut River | Westport, Conn.      | 25,000 |
|              | 1874          | Newbury, Vt.           | Connecticut River     | Long Island Sound | Westport, Conn.      | 25,000 |
|              | 1874          | Rockingham, Vt.        | Saxton River          | Connecticut River | Westport, Conn.      | 5,000  |
|              | 1874          | Royalton, Vt.          | White River           | Connecticut River | Charlestown, N. H.   | 12,000 |
|              | 1874          | Georgia, Vt.           | Lamoille River        | Connecticut River | Charlestown, N. H.   | 30,000 |
|              | 1874          | Northfield, Vt.        | Dog River             | Connecticut River | Charlestown, N. H.   | 48,000 |
|              | 1875          | Farrisburgh, Vt.       | Lewis Creek           | Lake Champlain    | Charlestown, N. H.   | 24,000 |
|              | 1875          | Manchester, Vt.        | Battenkill Creek      | Hudson River      | Charlestown, N. H.   | 47,500 |
| Wisconsin    | 1873          |                        | Menomonee River       | Lake Michigan     | Waterville, Wis.     | 7,000  |
|              | 1873          | Oconomowoc, Wis.       | Oconomowoc Lake       | Lake Michigan     | Waterville, Wis.     | 1,000  |
|              | 1873          | Wauwatosa, Wis.        | Milwaukee River       | Lake Michigan     | Waterville, Wis.     | 11,000 |
|              | 1874          |                        | Madison Lake          | Rock River        | Waterville, Wis.     | 7,500  |
|              | 1874          |                        | Geneva Lake           | Illinois River    | Waterville, Wis.     | 7,500  |
|              | 1875          | Sheboygan County, Wis. | Elkbert Lake          | Illinois River    | Boscobel, Wis.       | 6,000  |
|              | 1875          | Sheboygan County, Wis. | Devil's Lake          | Illinois River    | Boscobel, Wis.       | 7,000  |
|              | 1875          | Sheboygan County, Wis. | Cedar Rock Lake       | Illinois River    | Boscobel, Wis.       | 7,000  |

D.—TABLE V.—Distribution of white-fish from 1872 to 1880, inclusive.

| State.          | Date.         | Locality.                    | Tributaries.     | Waters stocked.                         | Where finally hatched. | Number of fish. |
|-----------------|---------------|------------------------------|------------------|-----------------------------------------|------------------------|-----------------|
| California..... | 1872          | Lake County, Cal.....        |                  | Clear Lake.....                         | State Hatchery.....    | 25,000          |
|                 | 1873          | Lake County, Cal.....        |                  | Clear Lake.....                         |                        | 25,000          |
|                 | Mar. —, 1875  | Tulare County, Cal.....      |                  | Tulare Lake.....                        | Berkeley, Cal.....     | 20,000          |
|                 | Spring, 1877  | Nevada County, Cal.....      |                  | Donner Lake.....                        | Berkeley, Cal.....     | 75,000          |
|                 | Spring, 1877  | Placer County, Cal.....      |                  | Seno and other lakes.....               | Berkeley, Cal.....     | 50,000          |
|                 | Spring, 1877  |                              |                  | Tahoe Lake.....                         | Berkeley, Cal.....     | 175,000         |
|                 | Jan. 11, 1879 | Placer County, Cal.....      |                  | Tahoe Lake.....                         | San Leandro, Cal.....  | 70,000          |
|                 | Jan. 11, 1879 | Nevada County, Cal.....      |                  | Donner Lake.....                        | San Leandro, Cal.....  | 70,000          |
|                 | Jan. 11, 1879 | Nevada County, Cal.....      |                  | Lake.....                               | San Leandro, Cal.....  | 60,000          |
|                 | Jan. 18, 1879 | Lassen County, Cal.....      |                  | Eagle Lake.....                         | San Leandro, Cal.....  | 225,000         |
|                 | Jan. 21, 1879 | Tulare County, Cal.....      |                  | Tulare Lake.....                        | San Leandro, Cal.....  | 100,000         |
|                 | Feb. 1, 1879  | Sonoma County, Cal.....      |                  | Mark West Creek.....                    | San Leandro, Cal.....  | 10,000          |
|                 | Feb. 17, 1879 | Santa Clara County, Cal..... |                  | San José Water Company's Reservoir..... | San Leandro, Cal.....  | 10,000          |
|                 | Feb. 17, 1879 | Alameda County, Cal.....     |                  | Chabot Lake.....                        | San Leandro, Cal.....  | 20,000          |
| Indiana.....    | Mar. 8, 1876  | Rome, Ind.....               |                  | Rome City Lake.....                     | Northville, Mich.....  | 100,000         |
| Iowa.....       | Mar. 1, 1876  | Iowa County, Iowa.....       |                  | Clear Lake.....                         | Northville, Mich.....  | 100,000         |
| Michigan.....   | Feb. 8, 1876  | Northville, Mich.....        |                  | Rough River.....                        | Northville, Mich.....  | 200,000         |
|                 | Feb. 9, 1876  | Northville, Mich.....        |                  | Rough River.....                        | Northville, Mich.....  | 200,000         |
|                 | Feb. 15, 1876 | Northville, Mich.....        |                  | Rough River.....                        | Northville, Mich.....  | 200,000         |
|                 | Feb. 19, 1876 | Oak County, Mich.....        |                  | Walled Lake.....                        | Northville, Mich.....  | 50,000          |
|                 | Feb. 19, 1876 | Oak County, Mich.....        |                  | Straits Lake.....                       | Northville, Mich.....  | 35,000          |
|                 | Feb. 19, 1876 | Oak County, Mich.....        |                  | Orbow Lake.....                         | Northville, Mich.....  | 40,000          |
|                 | Feb. 19, 1876 | Northville, Mich.....        | Rough River..... | Yerkes Lake.....                        | Northville, Mich.....  | 100,000         |
|                 | Feb. 21, 1876 | Le Roy, Mich.....            |                  | Rose Lake.....                          | Northville, Mich.....  | 25,000          |
|                 | Feb. 21, 1876 | Fife Lake, Mich.....         |                  | Fife Lake.....                          | Northville, Mich.....  | 25,000          |
|                 | Feb. 21, 1876 | Crofton, Mich.....           |                  | Bass Lake.....                          | Northville, Mich.....  | 125,000         |
|                 | Feb. 21, 1876 | Crofton, Mich.....           |                  | Loon Lake.....                          | Northville, Mich.....  | 125,000         |
|                 | Feb. 21, 1876 | Petosky, Mich.....           |                  | Twin Lakes.....                         | Northville, Mich.....  | 20,000          |
|                 | Feb. 21, 1876 | Petosky, Mich.....           |                  | Round Lake.....                         | Northville, Mich.....  | 20,000          |
|                 | Feb. 21, 1876 | Petosky, Mich.....           |                  | Crooked Lake.....                       | Northville, Mich.....  | 20,000          |
|                 | Feb. 21, 1876 | Cheboygan, Mich.....         |                  | Burt's Lake.....                        | Northville, Mich.....  | 40,000          |
|                 | Feb. 24, 1876 | Dexter, Mich.....            |                  | Silver Lake.....                        | Northville, Mich.....  | 12,500          |
|                 | Feb. 24, 1876 | Dexter, Mich.....            |                  | Portage Lake.....                       | Northville, Mich.....  | 20,000          |
|                 | Feb. 24, 1876 | Dexter, Mich.....            |                  | Big Portage Lake.....                   | Northville, Mich.....  | 20,000          |
|                 | Feb. 24, 1876 | Dexter, Mich.....            |                  | Base Lake.....                          | Northville, Mich.....  | 20,000          |
|                 | Feb. 24, 1876 | Dexter, Mich.....            |                  | Half-Moon Lake.....                     | Northville, Mich.....  | 20,000          |
|                 | Feb. 24, 1876 | Dexter, Mich.....            |                  | Patterson Lake.....                     | Northville, Mich.....  | 20,000          |
|                 | Feb. 24, 1876 | Dexter, Mich.....            |                  | Blind Lake.....                         | Northville, Mich.....  | 10,000          |
|                 | Feb. 24, 1876 | Dexter, Mich.....            |                  | Brun Lake.....                          | Northville, Mich.....  | 10,000          |
|                 | Feb. 24, 1876 | Dexter, Mich.....            |                  | Island Lake.....                        | Northville, Mich.....  | 10,000          |
|                 | Feb. 24, 1876 | Dexter, Mich.....            |                  | Woodburn Lake.....                      | Northville, Mich.....  | 10,000          |
|                 | Feb. 24, 1876 | Chelsea, Mich.....           |                  | Round Lake.....                         | Northville, Mich.....  | 7,500           |
|                 | Feb. 24, 1876 | Chelsea, Mich.....           |                  | Lowe Lake.....                          | Northville, Mich.....  | 10,000          |

|                 |                                        |                      |                       |         |
|-----------------|----------------------------------------|----------------------|-----------------------|---------|
| Feb. 28, 1876   | Linden, Mich.....                      | Day Lake.....        | Northville, Mich..... | 25,000  |
| Feb. 28, 1876   | Linden, Mich.....                      | Cooke's Lake.....    | Northville, Mich..... | 10,000  |
| Feb. 28, 1876   | Linden, Mich.....                      | Silver Lake.....     | Northville, Mich..... | 40,000  |
| Feb. 28, 1876   | Linden, Mich.....                      | Round Lake.....      | Northville, Mich..... | 25,000  |
| Feb. 28, 1876   | New Buffalo, Mich.....                 | Lake Michigan.....   | Northville, Mich..... | 130,000 |
| Feb. 28, 1876   | Battle Creek, Mich.....                | Lakes.....           | Northville, Mich..... | 70,000  |
| Spring, 1880    | Monroe, Mich.....                      |                      |                       | 200,000 |
| New Jersey..... | Feb. 17, 1879 Morris County, N. J..... | Shepherd's Pond..... | Bloomsbury, N. J..... | 45,000  |
| Ohio.....       | Feb. 17, 1879 Morris County, N. J..... | Lake Hopatcong.....  | Bloomsbury, N. J..... | 45,000  |
|                 | Feb. 17, 1876 Toledo, Ohio.....        | Lake Erie.....       | Northville, Mich..... | 100,000 |
|                 | Feb. 21, 1876 Toledo, Ohio.....        | Lake Erie.....       | Northville, Mich..... | 500,000 |
| Wisconsin.....  | 1876 Reahena, Wis.....                 | Lakes.....           |                       | 100,000 |
|                 | 1876 Reahena, Wis.....                 | Lakes.....           |                       | 100,000 |

D.—TABLE VI.—Distribution of California trout, 1880.

| State.               | Date.         | Locality.            | Tributaries.      | Waters stocked.       | Where finally hatched. | Number of fish. |
|----------------------|---------------|----------------------|-------------------|-----------------------|------------------------|-----------------|
| District of Columbia | May 1, 1880   | Anacostia, D. C.     | Pond              | Anacostia River       | Baltimore, Md.         | 500             |
| Iowa                 | 1880          | Anamosa, Iowa        | Ponds at Hatchery |                       | Anamosa, Iowa          | 1,000           |
| Maryland             | Apr. 15, 1880 |                      | Stream            | Gwynn's Falls         | Baltimore, Md.         | 500             |
|                      | Apr. 15, 1880 | Buckeystown, Md.     | Pond              | Monocacy River        | Baltimore, Md.         | 500             |
|                      | Apr. 16, 1880 | Pataxent, Md.        | Streams           | Little Pataxent River | Baltimore, Md.         | 500             |
|                      | Apr. 17, 1880 | Waverly, Md.         | Stony Run         | Jones Falls           | Baltimore, Md.         | 500             |
|                      | Apr. 17, 1880 | Catonaville, Md.     | Pond              | Patapasco River       | Baltimore, Md.         | 500             |
|                      | Apr. 17, 1880 | Long Green, Md.      |                   | Gunpowder River       | Baltimore, Md.         | 500             |
|                      | Apr. 18, 1880 | Pikesville, Md.      | Stream            | Gwynn's Falls         | Baltimore, Md.         | 500             |
|                      | Apr. 19, 1880 | Green Spring, Md.    | Pond              | Lake Roland           | Baltimore, Md.         | 500             |
|                      | Apr. 19, 1880 | Carrollton, Md.      | Pond              | Patapasco River       | Baltimore, Md.         | 500             |
|                      | Apr. 20, 1880 |                      | Rocky Run         | Pataxent River        | Baltimore, Md.         | 500             |
|                      | Apr. 20, 1880 | Airy Hill, Md.       | Stream            | Gwynn's Falls         | Baltimore, Md.         | 500             |
|                      | Apr. 20, 1880 | Oakland, Md.         | Pond              | Pataxent River        | Baltimore, Md.         | 500             |
|                      | Apr. 20, 1880 |                      | Trout Branch      | Pataxent River        | Baltimore, Md.         | 500             |
|                      | Apr. 21, 1880 |                      | Pond              | Gwynn's Falls         | Baltimore, Md.         | 500             |
|                      | Apr. 21, 1880 | New Market, Md.      | Bush Creek        | Monocacy River        | Baltimore, Md.         | 500             |
|                      | Apr. 21, 1880 | Unionville, Md.      | Pond              | Linganore River       | Baltimore, Md.         | 500             |
|                      | Apr. 21, 1880 | New Market, Md.      | Bush Creek        | Monocacy River        | Baltimore, Md.         | 500             |
|                      | Apr. 22, 1880 | Wilna, Md.           | Plum Tree Run     | Bush River            | Baltimore, Md.         | 500             |
|                      | Apr. 22, 1880 | Phoenix, Md.         | Stream            | Great Gunpowder River | Baltimore, Md.         | 500             |
|                      | Apr. 22, 1880 | Phoenix, Md.         | Stream            | Great Gunpowder River | Baltimore, Md.         | 500             |
|                      | Apr. 22, 1880 | Phoenix, Md.         | Stream            | Great Gunpowder River | Baltimore, Md.         | 500             |
|                      | Apr. 26, 1880 | Westminster, Md.     | Pond              | Pipe Creek            | Baltimore, Md.         | 500             |
|                      | Apr. 26, 1880 | Westminster, Md.     | Pond              | Patapasco River       | Baltimore, Md.         | 500             |
|                      | Apr. 27, 1880 | Arlington, Md.       | Stream            | Gunpowder River       | Baltimore, Md.         | 500             |
|                      | Apr. 27, 1880 | Dripping Spring, Md. | Gunpowder River   | Pataxent River        | Baltimore, Md.         | 1,000           |
|                      | Apr. 28, 1880 | Clear Spring, Md.    | Frantz Mill Dam   | Potomac River         | Baltimore, Md.         | 500             |
|                      | Apr. 28, 1880 | Bel Air, Md.         | Stony Branch      | Bush River            | Baltimore, Md.         | 500             |
|                      | Apr. 30, 1880 | Eden, Md.            | Pond              | Patapasco River       | Baltimore, Md.         | 500             |
|                      | May 1, 1880   | Baltimore, Md.       | Stream            | Pataxent River        | Baltimore, Md.         | 500             |
|                      | May 3, 1880   | Uniontown, Md.       | Pond              | Big Pipe Creek        | Baltimore, Md.         | 500             |
|                      | May 4, 1880   | White Hall, Md.      | Pond              | Gunpowder River       | Baltimore, Md.         | 500             |
|                      | May 4, 1880   |                      | Stream            |                       | Baltimore, Md.         | 500             |
|                      | May 7, 1880   | Gorantown, Md.       | Stream            | Back River            | Baltimore, Md.         | 500             |
|                      | May 8, 1880   | Norrisville, Md.     | McDonald's Run    | Deer Creek            | Baltimore, Md.         | 500             |
|                      | May 11, 1880  | Frederick, Md.       | Monocacy River    | Potomac River         | Baltimore, Md.         | 500             |
|                      | May 13, 1880  | Mount Pleasant, Md.  | Pond              | Monocacy River        | Baltimore, Md.         | 500             |
|                      | May 15, 1880  | Baltimore, Md.       | Pond              | Gunpowder River       | Baltimore, Md.         | 500             |
|                      | May 17, 1880  | Warren, Md.          |                   | Gunpowder River       | Baltimore, Md.         | 500             |
|                      | May 18, 1880  | Sulphur Spring, Md.  | Pond              | Patapasco River       | Baltimore, Md.         | 500             |
|                      | May 18, 1880  | Sykesville, Md.      | Stream            | Potomac, West Branch  | Baltimore, Md.         | 500             |
|                      | May 18, 1880  | Fairview, Md.        | Bush Run          | Conococheague River   | Baltimore, Md.         | 2,500           |
|                      | May 19, 1880  | Llansville, Md.      | Pond              | Monocacy River        | Baltimore, Md.         | 500             |

|                     |               |                              |                         |                                 |                         |       |
|---------------------|---------------|------------------------------|-------------------------|---------------------------------|-------------------------|-------|
|                     | May 20, 1880  | Baltimore, Md.....           | Stony Run.....          | Jones Falls.....                | Baltimore, Md.....      | 500   |
|                     | May 21, 1880  | Ellicott City, Md.....       | Stream.....             | Pataasco River.....             | Baltimore, Md.....      | 500   |
|                     | May 21, 1880  | Ellicott City, Md.....       |                         | Pataasco River.....             | Baltimore, Md.....      | 500   |
|                     | May 24, 1880  | York Road, Md.....           | Pond.....               | Gunpowder River.....            | Baltimore, Md.....      | 500   |
|                     | May 25, 1880  | Greenwood, Md.....           | Pond.....               | Gunpowder River.....            | Baltimore, Md.....      | 500   |
|                     | May 27, 1880  | Sandy Spring, Md.....        | Stream.....             | Potomac River.....              | Baltimore, Md.....      | 500   |
|                     | May 29, 1880  | Saint James, Md.....         | Pond.....               | Gunpowder River.....            | Baltimore, Md.....      | 500   |
|                     | May 29, 1880  | Rockville, Md.....           | Rock Creek.....         | Potomac River.....              | Baltimore, Md.....      | 500   |
|                     | May 31, 1880  | Barnesville, Md.....         | Pond.....               | Monocacy River.....             | Baltimore, Md.....      | 5,000 |
|                     | June 1, 1880  | Port Deposit, Md.....        | Pond.....               | Susquehanna River.....          | Baltimore, Md.....      | 500   |
|                     | June 1, 1880  | Port Deposit, Md.....        | Pond.....               | Susquehanna River.....          | Baltimore, Md.....      | 500   |
|                     | June 4, 1880  | Monrovia, Md.....            | Pond.....               | Bennett's Creek.....            | Baltimore, Md.....      | 500   |
|                     | June 14, 1880 | Dickerson, Md.....           | Pond.....               | Potomac River.....              | Baltimore, Md.....      | 200   |
|                     | June 15, 1880 | Thamesville, Md.....         | Pond.....               | Bush Creek.....                 | Baltimore, Md.....      | 500   |
|                     | June 24, 1880 |                              | Stream.....             | Western Run.....                | Baltimore, Md.....      | 500   |
| Michigan.....       | 1880          | Bella Vista, Md.....         | Pond.....               | Gunpowder River.....            | Baltimore, Md.....      | 500   |
|                     | 1880          | Northville, Mich.....        | Ponds.....              | Rouge River.....                | Pokagon, Mich.....      | 2,100 |
|                     | 1880          | Almena, Mich.....            | North Branch.....       | Paw Paw River.....              | Pokagon, Mich.....      | 684   |
|                     | 1880          | Charlevoix County, Mich..... |                         | Boysie River.....               | Pokagon, Mich.....      | 684   |
|                     | June 25, 1880 | Pokagon, Mich.....           | Ponds at Hatchery.....  |                                 | Pokagon, Mich.....      | 684   |
| Minnesota.....      | 1880          | Battle Creek, Mich.....      | Sheppard's Brook.....   | Kalamazoo River.....            | Battle Creek, Mich..... | 750   |
|                     | 1880          | Battle Creek, Mich.....      | Ponds at Hatchery.....  |                                 | Battle Creek, Mich..... | 200   |
|                     | 1880          | Willow Brook, Minn.....      | Ponds at Hatchery.....  |                                 |                         | 1,900 |
| New Hampshire.....  | 1880          | Plymouth, N. H.....          | Baker's River.....      | Pemigewasset River.....         |                         | 1,000 |
|                     | 1880          | Plymouth, N. H.....          | Pemigewasset River..... | Merrimac River.....             |                         | 1,000 |
| North Carolina..... | Mar. 22, 1880 | Watauga County, N. C.....    | Ponds.....              | New River.....                  |                         | 500   |
|                     | Mar. 22, 1880 | McDowell County, N. C.....   | Mill Creek.....         | Catawba River.....              |                         | 1,000 |
|                     | Mar. 22, 1880 | Buncombe County, N. C.....   | Swannooa River.....     | French Broad River.....         |                         | 500   |
|                     | Mar. 22, 1880 | Buncombe County, N. C.....   | Ponds.....              | French Broad River.....         |                         | 800   |
|                     | Mar. 22, 1880 | Burke County, N. C.....      | Upper Creek.....        | Catawba River.....              |                         | 500   |
|                     | Mar. 22, 1880 | Burke County, N. C.....      | John's River.....       | Catawba River.....              |                         | 1,000 |
|                     | Mar. 22, 1880 | Corry, Pa.....               | Ponds at Hatchery.....  |                                 |                         | 700   |
| Pennsylvania.....   | 1880          |                              | Seneca River.....       |                                 |                         | 1,500 |
| South Carolina..... | 1880          |                              | Mill Creek.....         |                                 |                         | 1,000 |
|                     | 1880          |                              | Hampton Creek.....      |                                 |                         | 1,000 |
| West Virginia.....  | 1880          | Romney, W. Va.....           | Mill Run.....           | South Branch Potomac River..... |                         | 500   |
| Wisconsin.....      | 1880          | Geneva, Wis.....             | Ponds.....              | Geneva Lake.....                |                         | 2,600 |