

10.—LIST OF PUBLICATIONS OF THE UNITED STATES COMMISSION OF FISH AND FISHERIES FROM ITS ESTABLISHMENT IN FEBRUARY, 1871, TO FEBRUARY, 1896.

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During the quarter of a century in which the United States Commission of Fish and Fisheries has been in existence, it has issued 18 volumes of annual reports, 14 volumes of annual bulletins, and 7 volumes on the Fishery Industries of the United States, as follows:

ANNUAL REPORTS. (Octavo.)

Designation.		For the year—	Pub-lished.	Pages.	Plates.
Part	I .....	1871-2	1873	XLVII + 852	40
	II .....	1872-3	1874	CII + 808	37
	III .....	1873-5	1876	LI + 77	.....
	IV .....	1875-6	1878	L + 1020	9
	V .....	1877	1879	XLVIII + 981	35
	VI .....	1878	1880	LXIV + 968	36
	VII .....	1879	1882	LI + 840	62
	VIII .....	1880	1883	XLVI + 1060	44
	IX .....	1881	1884	LXXI + 1146	27
	X .....	1882	1884	XCII + 1101	54
	XI .....	1883	1885	XCIV + 1206	161
	XII .....	1884	1886	LXXI + 1204	46
	XIII .....	1885	1887	CXII + 1108	230
	XIV .....	1886	1889	LVII + 1071	46
	XV .....	1887	1891	LXIII + 900	112
	XVI .....	1888-9	1892	CXXVIII + 902	60
	XVII .....	1889-91	1894	..... + 664	67
	XVIII .....	1892	1894	CCIV + 528	47

ANNUAL BULLETINS. (Octavo.)

Vol.	I .....	1881	1882	VIII + 466	21
	II .....	1882	1883	VIII + 467	3
	III .....	1883	1883	IX + 497	1
	IV .....	1884	1884	XII + 488	3
	V .....	1885	1885	XI + 494	2
	VI .....	1886	1887	X + 495	7
	VII .....	1887	1889	VIII + 475	39
	VIII .....	1888	1890	IX + 494	74
	IX .....	1889	1892	XI + 504	106
	X .....	1890	1893	VII + 490	94
	XI .....	1891	1894	VI + 431	88
	XII .....	1892	1894	VII + 489	118
	XIII .....	1893	1894	VII + 462	41
	XIV .....	1894	1895	V + 496	25

## 618 REPORT OF COMMISSIONER OF FISH AND FISHERIES.

## FISHERY INDUSTRIES OF UNITED STATES. (Quarto.)

Designation.	For the year.	Pub-lished.	Page.	Plates.
Sec. I (text) .....	1880	1884	XXXIV + 895	-----
I (plates) .....	1880	1884	XX	277
II (text) .....	1880	1887	IX + 787	-----
III } .....	1880	1887	XVIII + 238	49
IV } 1 vol. ....				
IV } .....	1880	1887	V + 178	10
V (text), Vol. I. ....	1880	1887	XXII + 808	-----
V (text), Vol. II. ....	1880	1887	XX + 881	-----
V (plates) .....	1880	1887	XVI	255

These publications are all Congressional documents, and a certain number are allotted to each Senator and Member of the House of Representatives; a small quota is also assigned to the Commission, from which various libraries, institutions of learning, and such persons as are specially interested in the subject-matter are supplied.

Each volume is made up of separate papers pertaining chiefly to investigations conducted by the Commission; and a small edition of each paper is issued as it is printed and completed, in advance of the entire volume, in order that it may reach the public as soon as possible. All of the Fishery Industries of the United States and the annual reports and bulletins prior to 1887 are out of print, and the quota allowed this Commission of some of the more recent publications has been distributed.

The following list gives the title of each paper that has been published by the Commission, but does not give the subtitles. It is arranged alphabetically by authors, and is followed by a subject index.

## LIST OF PAPERS PUBLISHED BY THE UNITED STATES FISH COMMISSION.

1. ABBE, W. A. Proposed limitation of menhaden fishing to July 1, and of mackerel fishing to June 15. Occurrence of herring. Bulletin, III, for 1883, p. 468. 1883. (Out of print.)
2. ABBOTT, CHARLES C. Notes on some fishes of the Delaware River. Report for 1875-76, IV, pp. 525-845. 1878. (Out of print.)
3. ABERNETHY, A. S. Salmon in the Clackamas River. Bulletin, VI, for 1886, p. 332. 1886. (Out of print.)
4. ADAMS, A. C., and W. C. KENDALL. Report upon an investigation of the fishing-grounds off the west coast of Florida. Bulletin, IX, for 1889, pp. 230-312 (including 2 figs.), plate CXI. 1891. Pamphlet No. 162.
5. ADAMS, A. LEITH. The lake trouts. Report for 1872-73, II, pp. 357-362. 1874. (Out of print.)
6. ADAMS, EMMA H. Salmon canning in Oregon. Bulletin, V, for 1885, pp. 362-365. 1885. (Out of print.)
7. AKEKIO, SEKIZAWA, Memorandum on fish-culture in Japan, with a notice of experiments in breeding the California trout. Report for 1879, VII, pp. 645-648. 1882. (Out of print.)
8. ALBRO, SAMUEL. Condition of the shore fisheries of Massachusetts and Rhode Island in 1871. Report for 1871-72, I, p. 8. 1873. (Out of print.)
9. ALLEN, JOEL A. Natural history of the seals and walruses. The fisheries and fishery industries of the United States, sec. 1, pp. 33-74, plates 12-25. 1884. (Out of print.)
10. ALLEN, WILLIAM S. Statement concerning the menhaden fishery. Report for 1877, V, p. 413. 1879. (Out of print.)
11. ALLPORT, MORTON. Present state of the salmon experiment in Tasmania. Report for 1878, VI, pp. 819-823. 1880. (Out of print.)
12. AMELN, JOHAN. Society for promoting the Norwegian fisheries. Report for 1878, VI, pp. 241-243. 1880. (Out of print.)
13. AMTLICHE BERICHTE, &c. Transportation of live fish. Bulletin, II, pp. 95-102 (including 4 figs.). 1882. (Out of print.)
14. ANCHER, ERNST. The Kurren and Keitel (fishing vessels) of the Courland Haf. Bulletin, IV, for 1884, pp. 167-168. 1884. (Out of print.)
15. ANDERSON, G. A. Report on shad-hatching in New Jersey in 1874. Report for 1873-74 and 1874-75, III, pp. 327-328. 1876. (Out of print.)
16. ANDERSON, JOHN. Notes upon the biology of the salmon and grilse. Bulletin, III, for 1883, p. 429. 1883. (Out of print.)
17. ANDERSON, JOHN. Notes upon the Scotch fish and fisheries. Bulletin, V, for 1885, pp. 217-221. 1885. (Out of print.)
18. ANDERSSON, JOAKIM. Report upon the department of fisheries in the world's exposition in Philadelphia, 1876. Report for 1878, VI, pp. 47-71. 1880. (Out of print.)
19. ANDERTON, J. L. Statement concerning the menhaden fishery. Report for 1877, V, p. 460. 1879. (Out of print.)
20. ANNANIASSEN, A. Extracts from the report on his voyage to Iceland. From "Selskabet for de Norske Fiskeriers Fremme." Report for 1884, XII, pp. 309-322. 1886. (Out of print.)
21. ANNANIASSEN, ABR. Klip-fish at the Shetland Islands. Bulletin, V, for 1885, pp. 316-319. 1885. (Out of print.)
22. ANNIN, jr., JAMES. Poachers or destructive visitors to fish ponds. Bulletin, IV, for 1884, pp. 85-86. 1884. (Out of print.)
23. ANONYMOUS. Statistics of the fisheries of the United States in 1880. Bulletin, III, for 1883, pp. 269-271. 1883. (Out of print.)

24. ANONYMOUS. Extracts from the first annual report of the Fishery Board of Scotland for the year ending December 31, 1882. Report for 1882, x, pp. 229-236. 1884. (Out of print.)
25. ANONYMOUS. The British sea-fisheries act, 1883. Report for 1883, xi, pp. 259-278. 1885. (Out of print.)
26. ANONYMOUS. Distribution of duplicate sets of marine invertebrates, 1879-1886. Report for 1886, xiv, pp. 843-867. 1889. (Out of print.)
27. ANONYMOUS. Resolution asking for the abrogation of the fishery clause of the Washington treaty, passed at a convention of New England fishermen which met at Gloucester, December 27, 1884. Bulletin, v, for 1885, p. 447. 1885. (Out of print.)
28. ANONYMOUS. Report of distribution of fish and eggs by the U. S. Fish Commission from July 1, 1887, to June 30, 1888. Report for 1887-88, xv, pp. 363-370. 1891. (Out of print.)
29. ANONYMOUS. Report of distribution of fish and eggs from July 1, 1888, to June 30, 1889. Report for 1888, xvi, pp. 379-394. 1892. Pamphlet No. 179.
30. ARMISTEAD, A. WILSON. A transfer of leather carp (*Cyprinus carpio*) from the Government ponds at Washington, U. S. A., to Scotland. Bulletin, i, for 1881, p. 341. 1882. (Out of print.)
31. ARMISTEAD, J. J. Atmospheric and other influences on the migration of fishes. Bulletin, xiii, for 1893, pp. 93-99. 1894. Pamphlet No. 249.
32. ARNOLD, JR., ISAAC. Successful propagation of black bass. Bulletin, ii, for 1882, pp. 113-115. 1882. (Out of print.)
33. ARTHUR, W. Shipment of whitefish eggs to New Zealand in 1878. Report for 1878, vi, pp. 857, 859, 864, 879. 1880. (Out of print.)
34. ATLANTIC CITY REVIEW. Large haul of drumfish. Bulletin, iii, for 1883, p. 462. 1883. (Out of print.)
35. ATKINS, CHARLES G. On the salmon of eastern North America, and its artificial culture. Report for 1872-73, ii, pp. 226-337, plates IV-XIII. 1874. (Out of print.)
36. ATKINS, CHARLES G. On fishways. Report for 1872-73, ii, pp. 591-616, plates XX-XXXIV. 1874. (Out of print.)
37. ATKINS, CHARLES G. Report on the collection and distribution of the Penobscot salmon in 1873-74 and 1874-75. Report for 1873-74 and 1874-75, iii, pp. 485-530. 1876. (Out of print.)
38. ATKINS, CHARLES G. On the collection of eggs of the Schoodic salmon in 1875 and 1876. Report for 1875-76, iv, pp. 910-919. 1878. (Out of print.)
39. ATKINS, CHARLES G. Report upon the collection and distribution of Schoodic salmon eggs in 1877-78. Report for 1877, v, pp. 817-846, 1 plate. 1879. (Out of print.)
40. ATKINS, CHARLES G. Report on an attempt to collect eggs of Sebago salmon in 1878. Report for 1878, vi, pp. 775-787. 1880. (Out of print.)
41. ATKINS, CHARLES G. Report on the collection and distribution of Schoodic salmon eggs in 1878-79. Report for 1878, vi, pp. 789-814. 1880. (Out of print.)
42. ATKINS, CHARLES G. Cheap fixtures for hatching of salmon. Report for 1878, vi, pp. 945-966 (including 15 figs.). 1880. Also as pamphlet No. 21.
43. ATKINS, CHARLES G. Report upon the propagation of Schoodic salmon in 1879-80. Report for 1879, vii, pp. 735-766. 1882. (Out of print.)
44. ATKINS, CHARLES G. Report on the propagation of Penobscot salmon in 1879-80. Report for 1879, vii, pp. 721-731. 1882. (Out of print.)
45. ATKINS, CHARLES G. Sketch of the Penobscot salmon-breeding establishment. Bulletin, ii, for 1882, pp. 373-378. 1883. (Out of print.)
46. ATKINS, CHARLES G. Sketch of the Schoodic salmon-breeding establishment. Bulletin, ii, for 1882, pp. 379-382. 1883. (Out of print.)
47. ATKINS, CHARLES G. Report on propagation of Schoodic salmon in 1880-81. Report for 1880, viii, pp. 623-631. 1883. (Out of print.)
48. ATKINS, CHARLES G. Report on the propagation of Penobscot salmon in 1880-81. Report for 1880, viii, pp. 633-651. 1883. (Out of print.)
49. ATKINS, CHARLES G. Report on the propagation of Schoodic salmon in 1881-82. Report for 1881, ix, pp. 1091-1105. 1884. (Out of print.)
50. ATKINS, CHARLES G. Report upon the propagation of Penobscot salmon in 1881-82. Report for 1881, ix, pp. 1085-1089. 1884. (Out of print.)
51. ATKINS, CHARLES G. Report on the propagation of Penobscot salmon in 1882-83. Report for 1882, x, pp. 857-902. 1884. (Out of print.)
52. ATKINS, CHARLES G. Report on the propagation of Schoodic salmon in 1882-83. Report for 1882, x, pp. 863-871. 1884. (Out of print.)

53. ATKINS, CHARLES G. Memoranda relative to inclosures for the confinement of salmon, drawn from experience at Bucksport, Penobscot River, Maine. Bulletin, iv, for 1884, pp. 170-174. 1884. (Out of print.)
54. ATKINS, CHARLES G. Memoranda on landlocked salmon. Bulletin, iv, for 1884, pp. 341-344. 1884. (Out of print.)
55. ATKINS, CHARLES G. Ten questions concerning the habits and breeding of landlocked salmon, with replies. Bulletin, iv, for 1884, pp. 383-384. 1884. (Out of print.)
56. ATKINS, CHARLES G. Report on the propagation of Penobscot salmon in 1883-84. Report for 1883, xi, pp. 1007-1009. 1885. (Out of print.)
57. ATKINS, CHARLES G. Report upon the propagation of Schoodic salmon in 1883-84. Report for 1883, xi, pp. 1011-1015. 1885. (Out of print.)
58. ATKINS, CHARLES G. The Penobscot and Schoodic salmon work of 1884-85. Bulletin, v, for 1885, p. 51. 1885. (Out of print.)
59. ATKINS, CHARLES G. Report upon the Schoodic salmon work of 1884-85. Bulletin, v, for 1885, pp. 323-324. 1885. (Out of print.)
60. ATKINS, CHARLES G. Report on the propagation of Penobscot salmon in 1884-85. Report for 1884, xii, pp. 177-179. 1886. (Out of print.)
61. ATKINS, CHARLES G. Report on the propagation of Schoodic salmon in 1884-85. Report for 1884, xii, pp. 181-187. 1886. (Out of print.)
62. ATKINS, CHARLES G. Report upon the propagation of Penobscot salmon in 1885-86. Report for 1885, xiii, pp. 141-144. 1887. (Out of print.)
63. ATKINS, CHARLES G. Report upon the propagation of Schoodic salmon in 1885-86. Report for 1885, xiii, pp. 145-156. 1887. (Out of print.)
64. ATKINS, CHARLES G. Report upon the propagation of Penobscot salmon in 1886-87. Report for 1886, xiv, pp. 747-749. 1889. (Out of print.)
65. ATKINS CHARLES G. Report on the propagation of Schoodic salmon at Grand Lake Stream, Maine, 1886-87. Report for 1886, xiv, pp. 751-759. 1889. (Out of print.)
66. ATKINS, CHARLES G. Report on the artificial propagation of codfish at Woods Hole, Mass., for the season of 1886-87. Report for 1886, xiv, pp. 783-791. 1889. (Out of print.)
67. ATKINS, CHARLES G. The river fisheries of Maine. Report on the Fisheries and Fishery Industries of the United States, sec. v, vol. 1, pp. 673-723, plates 164-168. 1887. (Out of print.)
68. ATKINS, CHARLES G. Methods employed at Craigs Brook Station, in rearing young salmonoid fishes. Bulletin, xiii, for 1893, pp. 221-228. 1894. (See also Stilwell and Atkins.) Pamphlet No. 258.
69. ATWATER, W. O. Menhaden and other fish and their products as related to agriculture. Report for 1877, v, p. 194. 1879. (Out of print.)
70. ATWATER, W. O. Report of progress of an investigation of the chemical composition and economic values of the fish and invertebrates used for food. Undertaken for the United States Fish Commission. Report for 1880, viii, pp. 231-285. 1883. (Out of print.)
71. ATWATER, W. O. Tables illustrative of the nutritive value of fish. Bulletin, iv, for 1884, pp. 203-205. 1884. (Out of print.)
72. ATWATER, W. O. Report on analysis of a sample of fish guano made from salmon offal; by Mr. Joseph Spratt, of Victoria, British Columbia. Bulletin, iv, for 1884, p. 298. 1884. (Out of print.)
73. ATWATER, W. O. Contributions to the knowledge of the chemical composition and nutritive values of American food-fishes and invertebrates. Report for 1883, xi, pp. 433-499, 2 colored plates. 1885. Pamphlet No. 98. (Out of print.)
74. ATWATER, W. O. The chemical composition and nutritive values of food-fishes and aquatic invertebrates. Report for 1888, xvi, pp. 679-868, plates LXXXI-LXXXIX. 1892. Pamphlet No. 185.
75. ATWOOD, NATHANIEL E. Fisheries on the coast of Massachusetts. Report for 1871-72, I, p. 117. 1873. (Out of print.)
76. ATWOOD NATHANIEL E. Abstract of an address in opposition to legislation concerning traps and pounds. Report for 1871-72, I, p. 223-227. 1873. (Out of print.)
77. ATWOOD NATHANIEL E. Unexplained variations in the yield of oil from cod livers. Bulletin, iii, for 1883, pp. 431-432. 1883. (Out of print.)
78. ATWOOD WILLIAM. Statement concerning the menhaden fishery. Report for 1877, v, p. 404. 1879. (Out of print.)
79. AUGUR, C. H. Fish nets; some account of their construction and the application of the various forms in American fisheries. Bulletin, xiii, for 1893, pp. 381-388. 1894. Pamphlet No. 275.

80. AUSLAND, DAS. An account of the Loffoden Islands of Norway. Report for 1877, v, p. 559. 1879. (Out of print.)
81. BABBITT, JOHN O. The injurious effect of menhaden steamers upon the food fisheries. Bulletin, III, for 1883, pp. 463-464. 1883. (Out of print.)
82. BABCOCK, WILLIAM C. Report of shad operations conducted at Fort Washington, Md., in the spring of 1883. Report for 1883, XI, pp. 1035-1041. 1885. (Out of print.)
83. BABCOCK WILLIAM C. Report of operations at Fort Washington, Md., for the purpose of collecting shad eggs during the season of 1884. Report for 1884, XII, pp. 189-192, 2 plates. 1886. (Out of print.)
84. BABSON, F. J. Statement concerning the menhaden fishery. Report for 1877, v, p. 395. 1879. (Out of print.)
85. BAIRD, G. W. Report on the working of the boilers and engine of the United States Fish Commission steamer Albatross. Bulletin, IV, for 1884, pp. 145-151. 1884. (Out of print.)
86. BAIRD, G. W. Annual report on the electric lighting of the United States steamer Albatross, December 31, 1883. Bulletin, IV, for 1884, pp. 153-153, (incl. 8 figs.). 1884. Pamphlet No. 73.
87. BAIRD, SPENCER F. Report on the condition of the sea fisheries of the south coast of New England in 1871 and 1872. Report for 1871-72, I, pp. I-XLI, plate XLI. 1873. Pamphlet No. 3.
88. BAIRD, SPENCER F. Memoranda of inquiry relative to the food-fishes of the United States. Report for 1871-72, I, pp. 1-6. 1873. Pamphlet No. 1. (Out of print.)
89. BAIRD, SPENCER F. Testimony in regard to the present condition of the fisheries, taken in 1871. Report for 1871-72, I, pp. 7-72. 1873. (Out of print.)
90. BAIRD, SPENCER F. Report of State commissions in regard to regulating the sea fisheries by law. Report for 1871-72, I, pp. 104-109. 1873. (Out of print.)
91. BAIRD, SPENCER F. Report of conference of the United States Commissioner with the Commissioners of Rhode Island and Massachusetts. Report for 1871-72, I, pp. 125-131. 1873. (Out of print.)
92. BAIRD, SPENCER F. Draft of law proposed for the consideration of and enactment by the legislatures of Massachusetts, Rhode Island, and Connecticut. Report for 1871-72, I, pp. 132-134. 1873. (Out of print.)
93. BAIRD, SPENCER F. Statistics of fish and fisheries on the south shore of New England. Report for 1871-72, I, pp. 173-181. 1873. (Out of print.)
94. BAIRD, SPENCER F. Supplementary testimony and information relative to the condition of the fisheries of the south side of New England, taken in 1872. Report for 1871-72, I, pp. 182-195. 1873. (Out of print.)
95. BAIRD, SPENCER F. Pleadings before the senate committee on fisheries of the Rhode Island legislature, at its January session of 1872. Report for 1871-72, I, pp. 196-227. 1873. (Out of print.)
96. BAIRD, SPENCER F. Natural history of some of the more important food-fishes of the south shore of New England. Report for 1871-72, I, pp. 228-252. 1873. (Out of print.)
97. BAIRD, SPENCER F. Description of apparatus used in capturing fish on the seacoast and lakes of the United States. Report for 1871-72, I, pp. 253-274 (including 19 figs.), plates XXXIX and XL. 1873. (Out of print.)
98. BAIRD, SPENCER F. List of fishes collected at Woods Hole. Report for 1871-72, I, pp. 823-827. 1873. (Out of print.)
99. BAIRD, SPENCER F. Report of the Commissioner for 1872 and 1873.—A. Inquiry into the decrease of the food-fishes.—B. The propagation of food-fishes in the waters of the United States. Report for 1872-73, II, pp. I-CII. 1874. Pamphlet No. 4.
100. BAIRD, SPENCER F. Note on Dr. Suckley's article on the North American species of salmon and trout. Report for 1872-73, II, p. 91. 1874. (Out of print.)
101. BAIRD, SPENCER F. Correspondence with railroad companies in reference to facilities for transfer of shad and other fish. Report for 1872-73, II, pp. 749-756. 1874. (Out of print.)
102. BAIRD, SPENCER F. Reports of special conferences with the American fish-culturist's association and State commissions of fisheries.—A. At Boston June 13, 1872.—B. At New York October 19, 1872. Report for 1872-73, II, pp. 757-773. 1874. (Out of print.)
103. BAIRD, SPENCER F. Report of the Commissioner for 1873-74 and 1874-75.—A. Inquiry into the decrease of the food-fishes.—B. The propagation of food-fishes in the waters of the United States. Report for 1873-74 and 1874-75, III, pp. VII-LI. 1876. Pamphlet No. 15.

104. BAIRD, SPENCER F. Shad hatching and distributing operations of 1875. Report for 1873-74 and 1874-75, III, pp. 335-349. 1876. (Out of print.)
105. BAIRD, SPENCER F. Directions for using blanks for recording the propagation and distribution of fish. Report for 1873-74 and 1874-75, III, pp. 563-568. 1876. (Out of print.)
106. BAIRD, SPENCER F. Report of the Commissioner for 1875-76.—A. Inquiry into the decrease of food-fishes.—B. The propagation of food-fishes in the waters of the United States. Report for 1875-76, IV, pp. 1\*-50.\* 1878. Pamphlet No. 17.
107. BAIRD, SPENCER F. Tables of temperature of air and water at sundry stations of the United States Signal Office from March, 1874, to February, 1875, and from March, 1876, to February, 1877, inclusive. Report for 1875-76, IV, pp. 851-861. 1878. (Out of print.)
108. BAIRD, SPENCER F. Correspondence relating to the exportation of fishes and fish-hatching apparatus to New Zealand, Germany, etc. Report for 1875-76, IV, pp. 959-1024. 1878. (Out of print.)
109. BAIRD, SPENCER F. Report of the Commissioner for 1877.—A. Inquiry into the decrease of food-fishes.—B. Propagation of food-fishes in the waters of the United States. Report for 1877, V, pp. 1\*-48\*. 1879. Pamphlet No. 25.
110. BAIRD, SPENCER F. Statistics of the menhaden fisheries, &c. Circular and questions. Report for 1877, V, p. 268. 1879. (Out of print.)
111. BAIRD, SPENCER F. Report of the Commissioner for 1878.—A. Inquiry into the decrease of food-fishes.—B. Propagation of food-fishes in the waters of the United States. Report for 1878, VI, pp. XV-LXIV. 1880. Pamphlet No. 28.
112. BAIRD, SPENCER F. Correspondence connected with the transmission of eggs of the quinnat salmon and whitefish to Australia and New Zealand, 1877, 1878, and prior years. Report for 1878, VI, pp. 825-905. 1880. (Out of print.)
113. BAIRD, SPENCER F. Correspondence connected with the transmission of eggs of the quinnat salmon and other salmonidæ to European countries in 1878 and prior years. Report for 1878, VI, pp. 907-924. 1880. (Out of print.)
114. BAIRD, SPENCER F. Memorandum of some results of the artificial propagation and planting of fish due mainly to the efforts of the United States Fish Commission. Bulletin, I, for 1881, pp. 203-215. 1882. (Out of print.)
115. BAIRD, SPENCER F. Some results of the artificial propagation of Maine and California salmon in New England and Canada, recorded in the years of 1879 and 1880. Bulletin, I, for 1881, pp. 270-277. 1882. (Out of print.)
116. BAIRD, SPENCER F. Report of the Commissioner for 1879.—A. Inquiry into the decrease of the food-fishes.—B. The propagation of food-fishes in the waters of the United States. Report for 1879, VII, pp. XI-LI. 1882. Pamphlet No. 46.
117. BAIRD, SPENCER F. List of collections made by the fishing vessels of Gloucester and other New England seaports for the United States Fish Commission from 1877 to 1880. Report for 1879, VII, pp. 787-835. 1882. (Out of print.)
118. BAIRD, SPENCER F. Laws and regulations of the United States Fish Commission. (In pamphlet form, 1882, 8<sup>c</sup>, pp. 32.) (Out of print.)
119. BAIRD, SPENCER F. Inducements offered fishermen to furnish shad eggs for the U. S. Commission of Fish and Fisheries. Bulletin, II, for 1882, pp. 389-391. 1 plate. 1883. Pamphlet No. 53. (Out of print.)
120. BAIRD, SPENCER F. Report of the Commissioner for 1880.—A. Inquiry into the decrease of food-fishes.—B. Propagation of food-fishes in the waters of the United States. Report for 1880, VIII, pp. XVII-XLVI. 1883. Pamphlet No. 62.
121. BAIRD, SPENCER F. Report on the propagation and distribution of shad in the spring of 1880. Report for 1880, VIII, pp. 653-672. 1883. (Out of print.)
122. BAIRD, SPENCER F. The instruction of naval midshipmen in taxidermy, ichthyology, &c., at the United States National Museum and on board the steamers of the United States Fish Commission. Bulletin, III, for 1883, pp. 239-240. 1883. (Out of print.)
123. BAIRD, SPENCER F. Purchase of Prof. Poey's *Ichthyologia Cubana* by the Spanish Government. Bulletin, III, for 1883, p. 439. 1883. (Out of print.)
124. BAIRD, SPENCER F. Report of the Commissioner for 1881. Report for 1881, IX, pp. XIII-LXXI. 1884. Pamphlet No. 65.
125. BAIRD, SPENCER F. On the specimens received by the Smithsonian Institution from the United States Life-Saving Service. Bulletin, IV, for 1884, pp. 177-178. 1884. (Out of print.)

126. BAIRD, SPENCER F. Report of the Commissioner for 1882. Report for 1882, x, pp. xvii-xciii. 1884. Pamphlet No. 77.
127. BAIRD, SPENCER F. Report of the Commissioner for 1883. Report for 1883, xi, pp. xvii-xcv. 1885. Pamphlet No. 95.
128. BAIRD, SPENCER F. Report of the Commissioner for 1884. Report for 1884, xii, pp. xiii-lxxi. 1886. Pamphlet No. 108.
129. BAIRD, SPENCER F. Report of the Commissioner for 1885. Report for 1885, xiii, pp. xix-cxii. 1887. Pamphlet No. 115.
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