

XXXVII.—LIST OF PATENTS ISSUED IN THE UNITED STATES,
 DURING THE YEARS 1879 AND 1880, RELATING TO FISH
 AND THE METHODS, PRODUCTS, AND APPLICATIONS OF THE
 FISHERIES.

By ROBERT G. DYRENFORTH,
Examiner-in-Chief, United States Patent Office.

FISH-HOOKS.

211906.	L. S. Hill	February 4, 1879.
223194.	W. F. Vaché	December 30, 1879.
218345.	A. Wakaman	August 5, 1879.
228511.	M. Bray	June 8, 1880.
231912.	J. Irgens	September 7, 1880.
232706.	G. G. Gregory	September 28, 1880.

FISH-TRAPS.

218737.	W. J. Henderson	August 19, 1879.
228948.	F. L. Sheldon	June 15, 1880.
230743.	B. F. Chase	August 3, 1880.
232517.	L. Lenglet	September 21, 1880.

FISHWAYS.

218299.	M. McDonald	August 5, 1879.
228936.	W. H. Rogers	June 15, 1880.

HARPOONS AND SPEARS.

218540.	C. M. Knowles	August 12, 1879.
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NETS AND SEINES.

215031.	H. Webb	May 6, 1879.
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OYSTER CULTURE.

212389.	F. Lang	February 18, 1879.
217558.	L. J. Stewart	July 15, 1879.
221326.	J. Langrall	November 4, 1879.
232740.	T. McCosker	September 28, 1880.

OYSTER RAKES AND TONGS.

225155. W. L. Messick..... March 2, 1880.

REELS.

214495. L. T. Dickson April 22, 1879.
 216242. C. N. A. Voss June 3, 1879.
 219328. E. C. Vom Hofe September 2, 1879.
 220776. S. W. Wardwell, jr October 21, 1879.
 227000. G. Hancock..... April 27, 1880.
 235017. H. Prichard..... November 30, 1880.
 235157. F. A. Loomis..... December 7, 1880.
 235511. T. H. Chubb December 14, 1880.
 235512. T. H. Chubb December 14, 1880.
 235513. T. H. Chubb December 14, 1880.

RODS.

222681. E. Earle December 16, 1879.
 230650. J. S. Niswander August 3, 1880.
 234812. F. Richardson November 23, 1880.

SINKERS.

235510. T. H. Chubb December 14, 1880.
 231417. T. M. Foote..... August 24, 1880.

ICHTHYOCOLLA.

219667. T. O. Alsing September 16, 1879.
 233973. W. V. Brigham November 2, 1880.
 9226. J. S. Rogers (reissue) June 1, 1880.
 9296. J. S. Rogers (reissue) July 13, 1880.

PRESERVING FISH.

215628. K. L. Jewell May 20, 1879.
 223682. Sellman, Martin & Balkam..... January 20, 1880.
 225938. C. Maré..... March 30, 1880.
 226390. D. W. Davis April 13, 1880.
 229368. P. H. Brink..... June 29, 1880.
 235116. Charles Alden..... December 7, 1880.
 225487. A. E. Arnold December 14, 1880.