

III.—LIST OF PATENTS ISSUED BY THE UNITED STATES, DURING THE YEAR 1881, RELATING TO FISH AND THE METHODS, PRODUCTS, AND APPLICATIONS OF THE FISHERIES.

BY ROBERT G. DYRENFORTH,
Assistant Commissioner of Patents, United States Patent Office.

FISHWAYS.

243,893. A. B. Hendryx July 5, 1881.

FLOATS.

239,063. B. W. Ross March 22, 1881.

240,611. P. S. Redfield April 26, 1881.

241,150. G. Norwood May 10, 1881.

250,848. C. M. Smith Dec. 13, 1881.

HOOKS AND ATTACHMENTS.

236,161. O. Hymers Jan. 4, 1881.

237,566. E. Marion Feb. 8, 1881.

242,866. M. D. Beach June 14, 1881.

243,987. J. Shields July 5, 1881.

OYSTER CULTURE.

237,351. D. G. Weems Feb. 1, 1881.

239,592. D. G. Weems March 29, 1881.

249,942. V. N. Hughes Nov. 22, 1881.

OYSTER DREDGES AND TONGS.

237,160. G. C. Brown Feb. 1, 1881.

246,726. W. B. Collier Sept. 6, 1881.

PISCICULTURE.

245,704. O. M. Chase Aug. 16, 1881.

REELS.

243,371. G. Hancock June 28, 1881.

244,828. F. R. Smith July 26, 1881.

246,147. L. A. Kiefer Aug. 23, 1881.

250,165. J. Palmer Nov. 29, 1881.

9,787. F. A. Loomis (reissue) July 5, 1881.

RODS AND SINKERS.

250,204.	T. H. Chubb	Nov.	29, 1881.
250,842.	W. H. Rippard	Dec.	13, 1881.
250,968.	H. Prichard	Dec.	13, 1881.
236,750.	W. H. Andrew	Jan.	18, 1881.

FISH-TRAPS, NETS, AND LANCES.

237,231.	W. B. Atkinson	Feb.	1, 1881.
240,630.	H. E. Willard	April	26, 1881.
241,060.	E. Pierce	May	3, 1881.
243,622.	G. Rentz and F. H. Herzog	June	28, 1881.
244,150.	J. S. Simpson	July	12, 1881.
245,251.	T. F. Williams	Aug.	2, 1881.
247,179.	A. Duvall	Sept.	20, 1881.

ISINGLASS, GELATINE, ETC.

9,715.	I. Stanwood (reissue)	May	17, 1881.
243,685.	R. Brooks	July	5, 1881.
243,713.	W. N. Le Page	July	5, 1881.
244,502.	P. C. Vogellus	July	19, 1881.

FERTILIZERS.

251,628.	G. B. Oakes	Dec.	27, 1881.
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PRESERVING FISH FOR FOOD.

238,378.	E. H. Frazier	March	1, 1881.
240,143.	O. P. Johnson	April	12, 1881.
240,281.	A. and E. B. Squires	April	19, 1881.
241,187.	P. Brick	May	10, 1881.
245,679.	N. Webster	Aug.	16, 1881.
247,579.	W. Plumer	Sept.	27, 1881.
248,586.	S. L. Goodale	Oct.	25, 1881.
250,382.	F. B. Nichols and C. Thomson	Dec.	6, 1881.
250,776.	C. A. Bergtold	Dec.	13, 1881.
9,957.	G. W., G. H., and F. B. Dunbar (reissue)	Dec.	6, 1881.

FISH DRESSING AND SCALING MACHINES.

242,056.	J. H. Schaal and S. V. Harbaugh	May	24, 1881.
249,663.	M. J. Palson	Nov.	15, 1881.

MISCELLANEOUS APPLIANCES.

243,780.	R. S. Jennings, submarine illumination	July	5, 1881.
247,445.	A. Ward, oyster opener	Sept.	20, 1881.
247,639-90.	J. C. Rodman, minnow bucket	Sept.	27, 1881.