

I.—LIST OF PATENTS ISSUED IN THE UNITED STATES, GREAT BRITAIN, AND CANADA, UP TO THE END OF 1878, RELATING TO FISH AND THE METHODS, PRODUCTS, AND APPLICATIONS OF THE FISHERIES.

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AMERICAN PATENTS.

FISHING.

Including FISH-HOOKS, FISH-TRAPS, FISHWAYS, FLOATS, HARPOONS AND SPEARS, NETS AND SEINES, OYSTER CULTURE, PISCICULTURE, REELS, RODS, SINKERS.

DECOYS.

17,192.	Bogle, R	May	5, 1857.
74,458.	Wales, N	Feb.	11, 1868.
93,293.	Foster, J	Aug.	3, 1869.
102,799.	Fisher, E	May	10, 1870.
156,239.	Strater and Sohler	Oct.	27, 1874.

FISH-HOOKS.

	Engelbrecht and Skiff	July	28, 1846.
	Pendleton, S	Aug.	21, 1847.
	Johnson, J	Aug.	21, 1847.
	Ellis and Gritty	Aug.	15, 1848.
	Jenks, W	Sept.	5, 1848.
6,207.	Johnson, J	March	20, 1849.
8,853.	Buel, J. T	April	6, 1852.
10,761.	Sigler, H	April	11, 1854.
10,771.	Buel, J. T	April	11, 1854.
13,068.	De Saxe, C	June	12, 1855.
13,081.	Cook, R. F	June	19, 1855.
13,649.	Johnson, J	Oct.	9, 1855.
14,706.	Buel, J. T	April	22, 1856.
17,803.	McLean, D	July	14, 1857.
25,507.	Haskell, R	Sept.	20, 1859.
31,396.	Morris, W. L	Feb.	12, 1861.
43,694.	Lenhart, A. I	Aug.	2, 1864.
44,368.	Gardiner, jr., N. A	Sept.	20, 1864.
50,799.	Crandell, G	Nov.	7, 1865.

51,651.	Davis and Johnson.....	Dec.	19, 1865.
51,951.	Livermore, H. B.....	Jan.	9, 1866.
54,251.	Johnson and Howarth.....	April	24, 1866.
54,684.	Chapman, W. D.....	May	15, 1866.
58,404.	Goodwin, W. C.....	Oct.	2, 1866.
59,844.	King, Jacob.....	Nov.	20, 1866.
59,893.	Crosby, C. O.....	Nov.	20, 1866.
60,786.	Rhodes, E. R. and J. W.....	Jan.	1, 1867.
62,042.	Lee, jr., Benjamin.....	Feb.	12, 1867.
68,027.	Angilard, F.....	Aug.	27, 1867.
69,221.	Kidder, D.....	Sept.	24, 1867.
70,868.	Lenhart, A. I.....	Nov.	12, 1867.
70,913.	Sterling, E.....	Nov.	12, 1867.
77,365.	Fish, R. A.....	April	28, 1868.
79,446.	Christian, J. B.....	June	30, 1868.
80,151.	Dennetts, A. A.....	July	21, 1868.
86,154.	Hiltz, M.....	Jan.	26, 1869.
94,893.	Kemlo, Francis.....	Sept.	14, 1869.
94,894.	Kemlo, Francis.....	Sept.	14, 1869.
94,895.	Kemlo, Francis.....	Sept.	14, 1869.
95,755.	Angers, F. T.....	Oct.	12, 1869.
104,930.	Chapman, William D.....	July	5, 1870.
111,898.	Arnold, L.....	Feb.	21, 1871.
115,434.	Chapman, William D.....	May	30, 1871.
117,719.	Arnold, L.....	Aug.	8, 1871.
121,182.	Mann, J. H.....	Nov.	21, 1871.
123,844.	Sinclair, G.....	Feb.	20, 1872.
129,053.	Pitcher, E.....	July	16, 1872.
139,180.	Mullaly, J.....	May	20, 1873.
141,910.	Allen, B. F.....	Aug.	19, 1873.
143,146.	Harper and Smith.....	Sept.	23, 1873.
146,443.	Fitzgerald, T. F.....	Jan.	13, 1874.
146,764.	James, W. H.....	Jan.	27, 1874.
148,926.	Cahoon, M ^r V. B.....	March	24, 1874.
149,123.	Hazzard, A. W.....	March	31, 1874.
151,394.	Huard and Dunbar.....	May	26, 1874.
153,854.	Skinner, G. M.....	Aug.	4, 1874.
157,480.	Perry, R. J.....	Dec.	8, 1874.
163,980.	Dunlap, E. L.....	June	1, 1875.
167,784.	Pierce, G. R.....	Sept.	14, 1875.
171,697.	Place, J. H.....	Jan.	4, 1876.
171,768.	Buel, J. T.....	Jan.	4, 1876.
171,769.	Buel, J. T.....	Jan.	4, 1876.
177,639.	Hill, L. S.....	May	23, 1876.
181,308.	Brush, H. O.....	Aug.	22, 1876.
184,627.	Jones, F.....	Nov.	21, 1876.

185,914. Gregg, W. H	Jan.	2, 1877.
186,134. Jahne and Moors	Jan.	9, 1877.
189,805. Smith, B. F	April	17, 1877.
190,222. King, J. O	May	1, 1877.
191,165. Miller, G. C	May	22, 1877.
196,648. Edgar, B.	Oct.	30, 1877.
197,935. Holt, H. H	Dec.	11, 1877.
199,926. Mitchell, J. A	Feb.	5, 1878.
208,581. Falvey, J.	Oct.	1, 1878.

FISH-TRAPS.

16,217. Van Hoesen, L.	Dec.	9, 1856.
22,644. Gray, R.	Jan.	18, 1859.
23,154. Bowman, D.	March	8, 1859.
75,075. Talbot, D. C	March	3, 1868.
76,489. McCaughans, T. B	April	7, 1868.
77,893. Koehler, J.	May	12, 1868.
85,199. Beach, E. B	Dec.	22, 1868.
113,292. Hammond, J. E.	April	4, 1871.
123,164. Fuller, O. M.	Jan.	30, 1872.
131,439. Harcourt and Cottingham	Sept.	17, 1872.
132,476. Livaudais, C.	Oct.	22, 1872.
135,113. Goodman, S. A	Jan.	21, 1873.
141,588. Pavonarius and Michtle. . .	Aug.	5, 1873.
156,648. Peck, L. A.	Nov.	10, 1874.
163,498. Kepner, R. B.	May	18, 1875.
178,375. McRoberts, J.	June	6, 1876.
181,844. Hitchcock, J. C.	Sept.	5, 1876.
188,503. Davis, S. M.	March	20, 1877.
194,253. Lasater, J. M.	Aug.	14, 1877.
198,894. McBryde, D. S.	Jan.	1, 1878.
201,504. Davis, G.	March	19, 1878.
202,818. Hesse, O.	April	23, 1878.
202,962. Robertson, S. N. and E. A	April	30, 1878.
204,168. Roney, R. J.	May	28, 1878.
204,538. Clark and Roberts	June	4, 1878.

FISHWAYS.

57,159. Livermore, A.	Aug.	14, 1866.
126,257. Brewer, J. D	April	30, 1872.
132,349. Brackett, E. A.	Oct.	22, 1872.
154,216. Brewer, J. D	Aug.	18, 1874.
206,715. Fisher, D.	Aug.	6, 1878.
208,408. McDonald, M.	Sept.	24, 1878.

FLOATS.

10,795. De Saxe, Charles	April	18, 1854.
12,060. Hoards, J. W.	Dec.	12, 1854.

86,609.	Terrell, J. A.	Feb.	2, 1869.
99,572.	Ingram, J	Feb.	8, 1870.
127,218.	Brown and Jarvis, jr	May	28, 1872.
128,885.	Jewell, E.	July	9, 1872.
165,867.	Quinn, W. T.	July	20, 1875.
179,490.	Sanders, L	July	4, 1876.
186,232.	Davis, D. W. and S. H	Jan.	16, 1877.
188,755.	Redfield, P. S.	March	27, 1877.

HARPOONS AND SPEARS.

7,709.	Warner and Gaylord	Oct.	8, 1850.
16,014.	Horton, E.	Nov.	4, 1856.
20,343.	Garl, J.	May	25, 1858.
35,476.	Roys, Thomas W.	June	3, 1862.
144,110.	Knapp, J. W	Oct.	28, 1873.
168,335.	Jincks, M	Oct.	5, 1875.
172,312.	Hedges, S. P	Jan.	18, 1876.
206,694.	Taylor, W.	Aug.	6, 1878.

NETS AND SEINES.

	Evarts, Russ	March	21, 1838.
	Hale, B. W	June	4, 1838.
	Tracy, Cyrus	Sept.	19, 1838.
	Cook, H	March	17, 1843.
	Downs, John	April	25, 1843.
	Carr, Shannon, and Carr	Sept.	14, 1844.
10,794.	De Saxe, Charles	April	18, 1854.
20,125.	Hall, Thomas	April	27, 1858.
20,725.	Merritt, jr., B.	June	29, 1858.
34,887.	Goodwin, F.	April	8, 1862.
39,676.	Randolph, W.	Aug.	25, 1863.
55,635.	Field, E. A	June	19, 1866.
56,917.	Ferl and Larkins	Aug.	7, 1866.
59,429.	Maxwell, William	Nov.	6, 1866.
62,481.	Crossman, C. C	Feb.	26, 1867.
76,284.	Wills, Daniel	March	31, 1868.
76,387.	Bell, Thomas	April	7, 1868.
80,274.	Collins, John	July	28, 1868.
82,490.	Cartwright, T.	Sept.	29, 1868.
82,913.	Allen, George D	Oct.	13, 1868.
83,429.	Wilcox, W. S.	Oct.	27, 1868.
83,493.	Harper, S	Oct.	27, 1868.
87,740.	Werdmüller, F. A	March	9, 1869.
99,713.	Sabins, P. G.	Feb.	8, 1870.
113,572.	Ryder, jr., B.	April	11, 1871.
113,817.	Tiernan, P. E.	April	18, 1871.

117,957. Alexander, L. H	Aug. 15, 1871.
120,974. Jeffery, R	Nov. 14, 1871.
124,635. Smith, Henry	March 12, 1872.
137,930. Ketcham, C. E.	April 15, 1873.
144,888. Campbell, J. O	Nov. 25, 1873.
155,140. Brewster, C	Sept. 22, 1874.
167,189. Nason, C. F	Aug. 31, 1875.
194,434. Howes, S. B	Aug. 21, 1877.
197,313. Bates, L	Nov. 20, 1877.

OYSTER CULTURE.

127,903. Lyford, B. F.	June 11, 1872.
130,631. Frazier, E. H	Aug. 20, 1872.
149,921. Cook, O	April 21, 1874.

PISCICULTURE.

68,871. Green, S	Sept. 17, 1867.
72,177. Drexler, C	Dec. 17, 1867.
78,952. Furman, W. H	June 16, 1868.
80,775. Smith, A. J	Aug. 4, 1868.
105,176. Collins, A. S	July 12, 1870.
116,112. Stone, L	June 20, 1871.
116,995. Sabin, R. E	July 11, 1871.
136,834. Holton, M. G	March 18, 1873.
148,035. Clark, N. W	March 3, 1874.
149,198. Clark, N. W	March 31, 1874.
151,080. Bryan, O. N	May 19, 1874.
160,002. Bond, A	Feb. 23, 1875.
166,413. Roth, J	Aug. 3, 1875.
173,262. Brackett, E. A	Feb. 8, 1876.
180,085. Wilmot, S	July 18, 1876.
199,527. Ferguson, T. B	Jan. 22, 1878.
207,333. Wright, I. H	Aug. 30, 1878.

REELS.

Tiffany, A	May 26, 1838.
15,466. Bailey, J. A	Aug. 5, 1856.
16,626. Deacon, Edward	Feb. 10, 1857.
24,987. Billingham, William	Aug. 9, 1859.
27,305. Palmer, M. S	Feb. 28, 1860.
41,494. Dougherty, A	Feb. 9, 1864.
43,460. Van Gieson, W. H	July 5, 1864.
43,485. Ellis, D	July 12, 1864.
43,546. Cummings, Thomas W	July 12, 1864.
49,663. Stuart, W. M	Aug. 29, 1865.
55,653. Hatch, A	June 19, 1866.
56,937. Hartill, A. B	Aug. 7, 1866.

71,344.	Von Hofe, Julius	Nov.	26, 1867.
78,546.	Stacy, E. F	June	2, 1868.
82,377.	Bradley, W. H	Sept.	22, 1868.
83,740.	Stetson, John	Nov.	3, 1868.
87,188.	Xavier, Francis	Feb.	23, 1869.
88,026.	Foster, C. S. H	March	23, 1869.
95,839.	Ross, J. J	Oct.	12, 1869.
96,652.	Altmacir, P. A	Nov.	9, 1869.
103,668.	Sheldon, G. G	May	31, 1870.
112,326.	Decker, E. L	March	7, 1871.
121,020.	Terry, S. B	Nov.	14, 1871.
128,137.	Fowler, A. H	June	18, 1872.
134,917.	Mooney, G	Jan.	14, 1873.
135,283.	Noe, C. L	Jan.	28, 1873.
147,414.	McCord, C. W	Feb.	10, 1874.
150,883.	Orvis, C. F	May	12, 1874.
161,314.	Winans and Whistler	March	23, 1875.
162,845.	McDonald, A. L	May	4, 1875.
166,241.	Winslow, H	Aug.	3, 1875.
175,227.	Winans and Whistler	March	21, 1876.
177,544.	Noe, C. L	May	16, 1876.
191,813.	Philbrook, F. J	June	12, 1877.
195,578.	Copeland, G. T	Sept.	25, 1877.

RODS.

10,795.	De Saxe, Charles	April	18, 1854.
20,309.	Underwood and Bargis	May	18, 1858.
25,693.	Pritchard, Henry	Oct.	4, 1859.
35,339.	Von Hofe, Julius	May	20, 1862.
58,833.	Isaacs, R. N	Oct.	16, 1866.
72,667.	Montrose, J. H	Dec.	24, 1867.
100,895.	Hubbard, W. J	March	15, 1870.
119,251.	Tout, Thomas	Sept.	26, 1871.
137,015.	McHarg, J. B	March	18, 1873.
140,656.	Smith, W. M	July	8, 1873.
142,126.	Sénieur, F	Aug.	26, 1873.
154,141.	Hill, B	Aug.	18, 1874.
164,828.	Graves, J. L	June	22, 1875.
169,181.	Leonard, H. L	Oct.	26, 1875.
170,188.	Perry, C	Nov.	23, 1875.
173,534.	Endicott, F	Feb.	15, 1876.
198,879.	Fisher, C. R	Jan.	1, 1878.
206,264.	J. A. Robertson	July	23, 1878.
207,665.	Leonard, H. L	Sept.	3, 1878.
208,500.	Van Altena, H	Oct.	1, 1878.

SINKERS.

14,587.	Smith, William	April	1, 1856.
39,192.	Woodbury, William	July	7, 1863.
46,453.	Decker, E. F	Feb.	21, 1865.
56,857.	Martin, J. R	July	31, 1866.
58,211.	Burnham, L. A	Sept.	25, 1866.
61,625.	Martin, J. R	Jan.	29, 1867.
71,879.	Hiltz, Martin	Dec.	10, 1867.
77,628.	Lothrop, L. D	May	5, 1868.
77,774.	Smith, William H.	May	12, 1868.
83,681.	Albee, S	Nov.	3, 1868.
84,885.	Leach and Hutchins.	Dec.	15, 1868.
86,786.	Tellgmann, F	Feb.	9, 1869.
93,220.	Osgood, R. T	Aug.	3, 1869.
118,772.	Camp, H	Sept.	5, 1871.
155,266.	Sprague, H. L	Sept.	22, 1874.
167,687.	Pitcher, E.	Sept.	14, 1875.
175,949.	Dixon, G. W	April	11, 1876.
182,428.	Forbes, jr., J	Sept.	19, 1876.

FISH, PRESERVATION OF.—ICHTHYOCOLLA.

FOOD.—PRESERVATION OF FISH.

7,895.	Westacott, R. G	Jan.	7, 1851.
15,452.	Wright, J	July	29, 1856.
26,427.	Gross, M	Dec.	13, 1859.
31,736.	Piper, E.	March	19, 1861.
44,340.	Reeves, J. F	Sept.	20, 1864.
45,765.	Staunton, J. G	Jan.	3, 1865.
48,723.	Robinson, B	July	11, 1865.
59,833.	Gilmore, E. T.	Nov.	20, 1866.
66,616.	Noble, B. G	July	9, 1867.
66,732.	Noble, B. G	July	16, 1867.
70,435.	Heron, G. H.	Nov.	5, 1867.
74,378.	Kellogg, T. D	Feb.	11, 1868.
80,775.	Smidth, A. J	Aug.	4, 1868.
81,987.	Cutler, W. D	Sept.	8, 1868.
83,533.	Nunan, P	Oct.	27, 1868.
83,836.	Cutler, W. D	Nov.	10, 1868.
84,801.	Crowell, E.	Dec.	8, 1868.
84,855.	Burnham, E. E	Dec.	15, 1868.
85,913.	Davis, William	Jan.	19, 1869.
86,040.	Sim, Thomas	Jan.	19, 1869.
87,986.	Stephens, B. F.	March	16, 1869.
88,064.	Nickerson, J.	March	23, 1869.
90,334.	Atwood, jr., J	May	25, 1869.

90,944. Havard, C., and Harmony, N. X.	June	8, 1869.
93,183. Dotch, J. E.	Aug.	3, 1869.
95,179. Adams, R. A.	Sept.	28, 1869.
96,288. Thorp, G. T.	Oct.	26, 1869.
97,145. Adams, R. A.	Nov.	23, 1869.
108,983. Dotch, J. E.	Nov.	8, 1870.
109,820. Howell, D. Y.	Dec.	6, 1870.
112,129. Davis and Davis.	Feb.	28, 1871.
113,395. Brown, M. W.	April	4, 1871.
125,102. Vazquez and Rosenberg.	March	26, 1872.
127,115. Stanley, I. L.	May	21, 1872.
128,320. Mosquera, B.	June	25, 1872.
131,820. Henley, T. F.	Oct.	1, 1872.
132,316. Pharo, E. A.	Oct.	15, 1872.
135,113. Goodman, jr., S. A.	Jan.	21, 1873.
143,386. Sharp, William.	Sept.	30, 1873.
148,317. Müller, G. A.	March	10, 1874.
149,256. Shriver, A. K.	March	31, 1874.
150,183. Osborn, G. K.	April	28, 1874.
152,181. Shriver, A. K.	June	16, 1874.
161,596. Davis and Davis.	April	6, 1875.
162,119. Tait, A. H.	April	13, 1875.
171,662. Goodale, S. L.	Jan.	4, 1876.
178,916. Dunbar, G. W., G. H., and F. B.	June	20, 1876.
181,549. Andrews, O.	Aug.	29, 1876.
186,204. Goodale, S. L.	Jan.	16, 1877.
187,122. Gauthier, C. W.	Feb.	6, 1877.
201,834. Rich, S.	March	26, 1878.
204,647. Woodruff, Lyman.	June	4, 1878.
204,966. Griffin, S. W.	June	18, 1878.
205,830. Bliss, Samuel.	July	9, 1878.

ICHTHYOCOLLA, ETC.

Waldron.	March	4, 1812.
Hall.	March	23, 1822.
Hastings.	Aug.	14, 1822.
Norwood <i>et al.</i>	Jan.	21, 1834.
5,978. Rowe.	Dec.	19, 1848.
53,636. Lewis and Stanwood.	April	3, 1866.
78,016. Robinson.	May	19, 1868.
106,212. Rowe.	Aug.	9, 1870.
134,690. Manning.	Jan.	7, 1873.
148,317. Müller.	March	10, 1874.
149,165. Stanwood.	March	31, 1874.
177,764. Stanwood.	May	23, 1876.

ENGLISH PATENTS.

FISHING.

Including DECOYING, FLOATS, FISHWAYS, FISH-TRAPS, HARPOONS AND SPEARS, HOOKS, NETS, OYSTER CULTURE, PISCICULTURE, PARALYZING BY ELECTRICITY, REELS, RODS, TACKLING, SINKERS.

DECOYING.

Grent	No. 59 of 1632.
Williams and Marwood	No. 295 of 1692.
De Chabannes	No. 4582 of 1821.
Coffin	No. 4815 of 1823.
Fanshawe	No. 2580 of 1862.
Iodocius	No. 1751 of 1863.

FLOATS.

Fearn	No. 2003 of 1859.
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FISH-TRAPS.

Allen	No. 150 of 1860.
Stevens	No. 1120 of 1860.
Damm	No. 3548 of 1867.
Leheup	No. 1425 of 1868.
Engholm	No. 1276 of 1869.
Leach	No. 358 of 1873.
Leach	No. 1281 of 1873.
Lake, W. R.	No. 4043 of 1876.

FISHWAYS.

Phymoni	No. 974 of 1858.
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HARPOONS AND SPEARS.

Bayles	No. 1367 of 1783.
Congreve and Colquhoun	No. 4563 of 1821.
Lance	No. 8541 of 1840.
Ackerman	No. 10914 of 1845.
Rechten	No. 125 of 1856.
Tindall	No. 1110 of 1857.
Roy	No. 2301 of 1857.
Roy	No. 2340 of 1857.
Walker	No. 450 of 1861.
Roy and Lilliendahl	No. 550 of 1865.
Welch	No. 3312 of 1867.

FISH-HOOKS.

Andrews, John	No. 1719 of 1789.
Bell, William	No. 2063 of 1795.

Poole, Moses.....	No. 11520 of 1847.
Bainbridge, A. F.....	No. 533 of 1852.
Huddart, G. A.....	No. 889 of 1852.
King, R. J. N.....	No. 2902 of 1853.
Box, William H.....	No. 923 of 1857.
Newton, William E.....	No. 1135 of 1859.
Hackett, William A.....	No. 428 of 1865.
Baylis, Charles.....	No. 3177 of 1865.
Warner, Jos.....	No. 413 of 1866.
Gedge.....	No. 150 of 1867.
Welch.....	No. 1765 of 1867.
Morrall, A.....	No. 2714 of 1867.

NETS.

Stuart and Stuart.....	No. 1872 of 1859.
Henry.....	No. 3099 of 1860.
James.....	No. 492 of 1861.
Hector.....	No. 1871 of 1863.
Hurn and Hurn.....	No. 3334 of 1865.
Bryson.....	No. 193 of 1866.
Mack.....	No. 2008 of 1866.
Wilkinson.....	No. 1146 of 1867.
Hallett.....	No. 1331 of 1867.
Hallett.....	No. 1332 of 1867.
Hallett.....	No. 1333 of 1867.
Johnson.....	No. 2140 of 1867.
Brabazon.....	No. 323 of 1869.

OYSTER CULTURE.

Ayckbourn.....	No. 2930 of 1863.
Crofts.....	No. 1040 of 1864.
Bert.....	No. 1316 of 1870.
Michel.....	No. 4103 of 1874.
De Lagillardaie.....	No. 3506 of 1875.
Jennings and Anderson.....	No. 2470 of 1876.
Mewburn, J. C.....	No. 1447 of 1877.

PARALYZING BY ELECTRICITY.

Baggs.....	No. 2644 of 1863.
Bennett and Ward.....	No. 3228 of 1868.

PISCICULTURE.

Johnston, N.....	No. 2594 of 1854.
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REELS.

Curr, John.....	No. 3157 of 1808.
Kenton.....	No. 1956 of 1856.

Moore	No. 932 of 1862.
Mure	No. 1806 of 1868.
Heaton	No. 388 of 1873.
Corbet	No. 3283 of 1876.
Corbet	No. 655 of 1877.

RODS.

Dawson and Restell	No. 2017 of 1853.
Bennett, John	No. 461 of 1857.
Porecky, A	No. 1553 of 1858.
Britten, B	No. 3528 of 1868.
Moultray, James D	No. 1648 of 1874.
Jack, Alexander	No. 1840 of 1874.
Holroyd, E. A	No. 1806 of 1876.
Aston, J	No. 1553 of 1877.

TACKLING.

Cobb	No. 881 of 1767.
Hector	No. 361 of 1858.
Frère	No. 1755 of 1866.

SINKERS.

Corrin, R	No. 792 of 1877.
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PRESERVATION OF FISH.

FOOD.—PRESERVATION OF FISH.

Porter, T., and White, J	No. 278 of 1691.
Cockburn, A	No. 793 of 1763.
Batley, B	No. 2441 of 1800.
Batley, B	No. 2465 of 1801.
Granholm, L	No. 4150 of 1817.
Siegnette, L. E	No. 7036 of 1836.
Benjamin, H., and Grafton, H	No. 9240 of 1842.
Fitch, M	No. 10322 of 1844.
Fatio, A. M., and Verdeil, F	No. 231 of 1854.
Hervé, J. L	No. 70 of 1855.
Acras, E	No. 965 of 1855.
Cooke, M. J	No. 1320 of 1855.
Bethell, J	No. 1559 of 1855.
Demait, F. M	No. 2223 of 1855.
Warriner, G	No. 1982 of 1856.
Vasserot, C. F	No. 2976 of 1856.
Gorges, E. V. J. L	No. 14 of 1857.
Davies, G	No. 223 of 1858.
Osler, S	No. 1198 of 1858.
Hughes, E. J	No. 536 of 1859.
Brooman, R. A	No. 1202 of 1859.

Clark, W	No.	1404 of 1860.
Clark, W	No.	309 of 1861.
Brade, A. G	No.	576 of 1861.
Bouvet, J	No.	2569 of 1862.
Morgan, John	No.	713 of 1864.
McCall and Sloper	No.	2794 of 1864.
Nicoll, D	No.	1349 of 1866.
Medlock, H., and Bailey, W	No.	1707 of 1866.
Clark, W	No.	379 of 1867.
Brooman, C. E	No.	1200 of 1867.
Somervell, J	No.	105 of 1868.
Lake, W. R	No.	3194 of 1868.
Richmond, E. H	No.	1381 of 1869.
Beanes, E	No.	2345 of 1869.
Gamgee, J	No.	60 of 1870.
Gard, W. G	No.	2096 of 1870.
Highton, H	No.	2568 of 1870.
Gard, W. G	No.	3105 of 1870.
Mariotti, L	No.	3321 of 1870.
Durand, F	No.	460 of 1871.
Henley, T. F	No.	1233 of 1871.
Gedge, W. E	No.	2698 of 1871.
Vazquez and Rosenberg	No.	3387 of 1871.
De Malortie and Woods	No.	3803 of 1872.
Clark, C. S	No.	1837 of 1874.
Herzen, A	No.	2032 of 1874.
Hönck, J	No.	3645 of 1874.
Fryer, C. E	No.	3652 of 1874.
Fryer, C. E	No.	3653 of 1874.
Weatherby, C. P. N	No.	351 of 1875.
Melburn and Jackson	No.	933 of 1875.
Hyatt, T	No.	2307 of 1875.
Ermatinger, J. H	No.	3073 of 1875.
Brewer, E. G	No.	3120 of 1875.
Jensen, P	No.	3729 of 1875.
Brewer	No.	160 of 1876.
Jenson	No.	1492 of 1876.
Knott	No.	1920 of 1876.
Knott	No.	2064 of 1876.
Pols	No.	2432 of 1876.
Newton	No.	2479 of 1876.
Grier	No.	3107 of 1876.
Knott	No.	4446 of 1876.
McKay	No.	4605 of 1876.
Tongue	No.	4612 of 1876.
Harvey	No.	4624 of 1876.
Radcliffe	No.	4920 of 1876.

AMERICAN PATENTS.

MANURES, FISH.

12,480. Demolou and Thurneyssen.....	March 6, 1855.
26,548. Hall, W. D.....	Dec. 20, 1859.
33,706. Hyde, J. B.....	Nov. 12, 1861.
43,639. Glover, W. H. H.....	July 26, 1864.
46,847. Hall, W. D.....	March 14, 1865.
88,223. Smith, A.....	March 23, 1869.
97,939. Lugo, O.....	Dec. 14, 1869.
99,251. Smith, A.....	Jan. 25, 1870.
99,452. Lugo, O.....	Feb. 1, 1870.
99,673. Hooper, Hooper and Lugo.....	Feb. 8, 1870.
99,896. Hooper, W. J. and T.....	Feb. 15, 1870.
3,840. Lugo, O.....	Feb. 15, 1870.
99,924. Lugo, O.....	Feb. 15, 1870.
102,689. Lugo, O.....	May 3, 1870.
104,327. Lugo, O.....	June 14, 1870.
112,653. Taylor, T.....	March 14, 1871.
125,939. Deering, J. M.....	April 23, 1872.
152,921. Shepard, S. D.....	July 14, 1874.
208,224. Crowell, A. F.....	Sept. 24, 1878.

ENGLISH PATENTS.

MANURES, FISH.

Evans, J.....	No. 10806 of 1845.
Barker, E.....	No. 11924 of 1847.
Mitchell, B.....	No. 12023 of 1848.
Bethell, J.....	No. 12250 of 1848.
Brooman, R. A.....	No. 14255 of 1851.
Elliot, G.....	No. 546 of 1853.
Chisholm, J.....	No. 1375 of 1853.
Oxland, R.....	No. 2027 of 1853.
White, William.....	No. 2181 of 1854.
Bachelard and Harvey.....	No. 648 of 1855.
Gill and Sheridan.....	No. 744 of 1855.
Theroulde, F. A.....	No. 1079 of 1855.
Manning, J. A.....	No. 1579 of 1856.
Osler, S.....	No. 1198 of 1858.
Jervell, J.....	No. 684 of 1861.
Dewar, J.....	No. 1351 of 1868.

Millward, J.....	No. 3775 of 1868.
Hamilton, E. C.....	No. 2114 of 1873.
Rawson, Sillar, Slater & Wilson.....	No. 2662 of 1873.
Crookes, W.....	No. 2790 of 1873.
Metcalte and Massingham.....	No. 3329 of 1873.
Wise.....	No. 4176 of 1874.
Firman.....	No. 2380 of 1876.

CANADIAN PATENTS.

FISHING.

Including FISH-TRAPS, FISHWAYS, FISH-HOOKS, HARPOONS, NETS, PISCICULTURE.

FISH-TRAPS.

Cottinghau.....	No. 2621 of 1873.
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FISHWAYS.

Brewer.....	No. 2386 of 1873.
Brewer.....	No. 4720 of 1875.

FISH-HOOKS.

Harper and Smith.....	No. 2110 of 1873.
Skinner.....	No. 3067 of 1874.
Smith <i>et-al</i>	No. 6666 of 1876.

HARPOONS.

Pelletier.....	No. 2383 of 1873.
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NETS.

Morin, M.....	No. 53 of 1840.
Morin, M.....	No. 84 of 1845.
Lemoine, L.....	No. 113 of 1847.

PISCICULTURE.

Holton and Green.....	No. 2220 of 1873.
Clark.....	No. 4927 of 1875.
Wilmot.....	No. 6054 of 1876.