

be conveniently hatched during transportation, so that on arrival most of the young could be liberated. I do not know how long the fry could be kept alive in the box in which they were carried, but think that an objection on this score could easily be obviated.

I have not yet overcome the difficulties in regard to the hatching of codfish. The result this year (1885) was about 24 millions of fry, which were liberated when about a week old. The longest I could keep them was for 15 days after hatching, after which period they would gradually die.

FLODEVIG, near ARENDAL, NORWAY, *June 29, 1885.*

REPLY BY PROFESSOR BAIRD.

Several experiments have been made at this station in hatching detached lobster eggs; and most success has been gained by using the McDonald glass hatching-jar, such as we now use in our shad work. Lobster eggs placed in these jars 6 or 8 weeks ago have done well, and at least two-thirds of the number are now alive, despite the fact that for the first 2 or 3 weeks we were much troubled by iron-rust and other impurities. The lots of eggs placed in the jars since then have fared much better, and we have kept them 4 or 5 weeks with scarcely any mortality. The rate of development at this time of year, however, is very slow, and we have not succeeded in hatching any young. The experiments will probably be continued during the fall and winter, and the development may be hastened by slightly increasing the temperature of the water artificially. The best results are anticipated from next year's work, and every means will be used to make a success of it, as our supply of lobsters is rapidly decreasing on all parts of the coast.

WOOD'S HOLL, MASS., *September 19, 1885.*

7.—EXPORTS OF FISH AND FISHERY PRODUCTS FROM NEW-FOUNDLAND DURING 1884.

[From Customs' Returns.—W. J. S. Donnelly, receiver-general.]

Article.	Countries to which exported.	Quantities.	Average price.	Value.
Dry cod (in quintals) .....	United Kingdom .....	50,752	\$3 00	\$152,256
	Dominion of Canada .....	24,012	5 00	120,060
	United States .....	27,862	5 00	136,810
	British West Indies .....	88,758	2 60	230,771
	Spanish West Indies .....	10,885	2 60	28,301
	French West Indies .....	008	2 60	1,581
	Gibraltar .....	101,768	3 20	325,657
	Spain .....	183,872	3 80	598,713
	Portugal .....	318,820	4 50	1,434,600
	Sicily .....	15,100	3 20	48,320
	Italy .....	45,041	3 20	147,011
	Corfu .....	1,800	3 20	5,760
	Greece .....	2,870	3 20	9,184
	Brazil .....	375,089	4 20	1,575,873
<b>Total</b> .....		<b>1,197,637</b>		<b>4,724,487</b>

Exports of fish and fishery products from Newfoundland, &c.—Continued.

Articles.	Countries to which exported.	Quantities.	Average price.	Value.
Pickled fish (in quintals) .....	Dominion of Canada .....	1,040	\$2 00	\$2,080
	United States .....	615	2 00	1,230
Total .....		1,655		3,310
Herring (pickled), Labrador (in barrels).	United Kingdom .....	4,158	3 30	13,721
	Dominion of Canada .....	3,232	3 30	10,666
	United States .....	7,651	3 30	25,248
Total .....		15,041		49,635
Herring (pickled), shore (in barrels).	United Kingdom .....	2,514	1 80	4,525
	Dominion of Canada .....	44,461	1 80	80,030
	United States .....	6,994	1 80	12,589
	British West Indies .....	3,335	1 80	6,003
	Spanish West Indies .....	312	1 80	562
	Russia .....	909	1 80	1,625
Total .....		58,519		105,334
Herring, frozen (in barrels) ..	Dominion of Canada .....	2,585	1 00	2,585
	United States .....	16,591	1 00	16,591
Total .....		19,176		19,176
Salmon, pickled (in tierces) ..	United Kingdom .....	1,677½	13 00	21,809
	Dominion of Canada .....	1,049	13 00	13,637
	United States .....	1,832½	13 00	23,820
	British West Indies .....	315	13 00	4,095
	Spanish West Indies .....	241½	13 00	3,142
	Italy .....	198	13 00	2,574
	Corfu .....	30	13 00	390
Total .....		5,843½		69,407
Trout (in barrels) .....	Dominion of Canada .....	26	6 00	156
	United States .....	996	6 00	5,976
	British West Indies .....	28	6 00	168
	Italy .....	5½	6 00	32
Total .....		1,055½		6,332
Haddock (in quintals) .....	United States .....	378	2 60	978
	British West Indies .....	442	2 60	1,147
Total .....		818		2,125
Halibut (in quintals) .....	Dominion of Canada .....	30	6 00	180
	United States .....	22	6 00	132
Total .....		52		312
Core (in quintals) .....	Jersey .....	74	2 00	148
Mackerel (in barrels) .....	British West Indies .....	4½	3 00	14
Ling (in quintals) .....	do .....	40	2 00	80
Caplin (dried), (in barrels) ..	United Kingdom .....	45	50	22
Fish guano (in tons) .....	do .....	109½	20 00	2,185
Tongues and sounds (in barrels).	United Kingdom .....	11	3 00	33
	Dominion of Canada .....	46	3 00	138
	United States .....	2	3 00	6
	Jersey .....	18	3 00	54
Total .....		77		231
Lobsters, preserved in tins (in pounds).	United Kingdom .....	389,616	10	38,961
	Dominion of Canada .....	218,208	10	21,821
Total .....		607,824		60,782
Cod oil (in tuns) .....	United Kingdom .....	3,035½	123 00	368,576
	Dominion of Canada .....	279½	123 00	35,744
	United States .....	309½	123 00	39,616
	Jersey .....	20½	123 00	3,892
	Portugal .....	6	123 00	738
	Spanish West Indies .....	30½	123 00	3,904
Total .....		3,687½		472,000

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Exports of fish and fishery products from Newfoundland, &c.—Continued.

Articles.	Countries to which exported.	Quantities.	Average price.	Value.
Refined cod oil (in tons).....	United Kingdom.....	78½	\$204 00	\$16, 014
	Dominion of Canada.....	4½	204 00	8, 415
	United States.....	118½	204 00	23, 154
	Spanish West Indies.....	2	204 00	408
<b>Total</b> .....		<b>235½</b>		<b>47, 091</b>
Seal oil (in tons).....	United Kingdom.....	3, 513	116 00	407, 508
	Dominion of Canada.....	242½	116 00	28, 180
	United States.....	6½	116 00	725
	Jersey.....	50½	116 00	5, 829
	Hamburg.....	182	116 00	15, 312
Portugal.....	25	116 00	2, 900	
<b>Total</b> .....		<b>3, 969</b>		<b>460, 404</b>
Whale oil (in tons).....	United Kingdom.....	167½	116 00	19, 480
	Jersey.....	5	116 00	580
<b>Total</b> .....		<b>172½</b>		<b>20, 010</b>
Blubber (in tons).....	United Kingdom.....	24	16 00	384
	Dominion of Canada.....	21½	16 00	340
<b>Total</b> .....		<b>45½</b>		<b>724</b>
Shark oil (in tons).....	United Kingdom.....	½	100 00	25
	Portugal.....	½	100 00	75
<b>Total</b> .....		<b>1</b>		<b>100</b>
Herring oil (in tons).....	United Kingdom.....	11	108 00	1, 188
Pitchings (in tons).....	United Kingdom.....	¾	48 00	36
Cod dregs (in tons).....	United Kingdom.....	5½	48 00	276
Seal skins (each).....	United Kingdom.....	259, 327	1 20	311, 192
	Jersey.....	3, 460	1 20	4, 152
	Dominion of Canada.....	23	1 20	28
	Portugal.....	3, 480	1 20	4, 176
<b>Total</b> .....		<b>266, 290</b>		<b>319, 548</b>
Whalebone (in cwts.).....	United Kingdom.....	140	306 00	42, 840
	Jersey.....	5		28
<b>Total</b> .....		<b>145</b>		<b>42, 868</b>

Summary of total fishery exports.

Kind.	Quantity.	Value.	Kind.	Quantity.	Value.
Blubber.....	45½	\$724	Ling.....	40	\$80
Caplin, dried.....	45	22	Lobsters, preserved.....	607, 824	60, 782
Cod, dry.....	1, 197, 637	4, 724, 487	Mackerel.....	4½	14
Cod dregs.....	5½	276	Pickled fish.....	1, 655	3, 310
Cod oil.....	3, 687½	472, 000	Pitchings.....	¾	36
Cod oil, refined.....	235½	47, 991	Salmon, pickled.....	5, 343½	69, 407
Core.....	74	148	Seal oil.....	3, 969	460, 404
Fish guano.....	109½	2, 185	Seal skins.....	266, 290	319, 548
Haddock.....	818	2, 125	Shark oil.....	1	100
Hallbut.....	52	312	Tongues and sounds.....	77	281
Herring:			Trout.....	1, 055½	6, 332
Frozen.....	19, 176	19, 176	Whalebone.....	145	42, 868
Pickled, Labrador.....	15, 041	49, 635	Whale oil.....	172½	20, 010
Pickled, shore.....	58, 519	105, 334			
Herring oil.....	11	1, 188	<b>Total</b> .....		<b>6, 408, 785</b>