

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	27,362	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	608	2 60	1,581
	Gibraltar	101,768	3 20	325,657
	Spain	188,872	3 80	508,713
	Portugal	318,820	4 50	1,434,600
	Sicily	16,100	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
Total		1,197,637		4,724,487

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	376	2 60	978
	British West Indies	442	2 60	1,147
Total		818		2,125
Hallibut (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	128 00	388,576
	Dominion of Canada	279½	128 00	35,744
	United States	309½	128 00	39,616
	Jersey	20½	128 00	2,624
	Portugal	6	128 00	768
	Spanish West Indies	30½	128 00	3,904
Total		3,681½		472,000

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.....	41½	204 00	8,415
	United States.....	118½	204 00	23,154
	Spanish West Indies.....	2	204 00	408
Total		235½		47,991
Seal oil (in tons)	United Kingdom.....	3,513	116 00	407,508
	Dominion of Canada.....	242½	116 00	28,130
	United States.....	6½	116 00	725
	Jersey.....	50½	116 00	5,829
	Hamburg.....	182	116 00	15,312
	Portugal.....	25	116 00	2,900
Total		3,969		460,404
Whale oil (in tons)	United Kingdom.....	167½	116 00	19,480
	Jersey.....	5	116 00	580
Total		172½		20,010
Blubber (in tons)	United Kingdom.....	24	16 00	384
	Dominion of Canada.....	21½	16 00	340
Total		45½		724
Shark oil (in tons)	United Kingdom.....	½	100 00	25
	Portugal.....	½	100 00	75
Total		1		100
Herring oil (in tons)	United Kingdom.....	11	108 00	1,188
Pickings (in tons)	United Kingdom.....	½	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
Total		266,290		319,548
Whalebone (in cwts.)	United Kingdom.....	140	306 00	42,840
	Jersey.....	5		28
Total		145		42,868

Summary of total fishery exports.

Kind.	Quantity.	Value.	Kind.	Quantity.	Value.
Blubber.....tuns.	45½	\$724	Ling.....quintals.	40	\$80
Caplin, dried.....bbls.	45	22	Lobsters, preserved.....lbs.	607,824	60,782
Cod, dry.....quintals.	1,197,637	4,724,487	Mackerel.....bbls.	4½	14
Cod dregs.....tuns.	5½	276	Pickled fish.....quintals.	1,655	3,810
Cod oil.....do.	3,687½	472,000	Pickings.....tuns.	½	36
Cod oil, refined.....do.	235½	47,991	Salmon, pickled.....tierces.	5,343½	69,407
Core.....quintals.	74	148	Seal oil.....tuns.	3,969	460,404
Fish guano.....tons.	109½	2,185	Seal skins.....number.	266,290	319,548
Haddock.....quintals.	818	2,125	Shark oil.....tuns.	1	100
Halibut.....do.	52	312	Tongues and sounds.....bbls.	77	281
Herring:			Trout.....do.	1,055½	6,332
Frozen.....bbls.	19,176	19,176	Whalebone.....cwts.	145	42,868
Pickled, Labrador.....do.	15,041	49,635	Whale oil.....tuns.	172½	20,010
Pickled, shore.....do.	58,519	105,334			
Herring oil.....tuns.	11	1,188	Total.....		6,408,785