1862 it required 312 quintals to produce one ton of Cod Liver Oil.

1863	66	335	**	46	£+
1864	64	451	44	44	16
1865	6		t.	66	46
1SC6	46		16	66	4.
1867	64		""	44	16
1868	\$4	225	44	64	**
1869	46	248	**	66	6.
1570	**	2SG	44	46	n
1871	64	235	**	64	•1
1872	66	280	**	44	.4
1873		320	••	46	**
1874	**	517	**	64	
1875	**	370	66	66	16

From this table it appears that while in 1859 it required but 257 quintals of fish to make one ton of oil, in 1864 it took 451 quintals, and in 1874 no less than 517 quintals to produce a ton of liver oil. The inference is that in 1864 and 1874 the fish were poorly fed, and in 1868 and 1871 they were richly fed.

Under date Aug. 7, 1778, Sandwich Bay, Labrador, Cartwright says:-"Fish not well ind this year."

IN NORWAY.

Adopting a different method of comparison with respect to the Norwegian Fish, which the returns permit, we have the following curious result :-

The number of tish required to make a Norwegian barrel of liver and a barrel of fish roe, or spawn, was as given below :---

1870	. 766
1871	864
1873	, 750

According as more fish were required to make a barrel of liver, so also was a greater number required to make a burrel of roe. Roe and liver appear to be mutually dependent upon one another. This may be explained by supposing that the size of the fish varied, or that the fish were less richly tell. The true state of the case is, perhaps, explained by the appearance of the fish caught on the Lofoten Banks in 1570, as stated in the text, page 67.

THE EFFECTS OF THE EARTH'S ROTATION ON THE LABRADOR CURRENT.

The rapidity of the diurnal motion of any point on the surface of the earth, from west to east, varies with its latitude. On the sixtieth degree the speed of rotation is about nine miles in a minute : in the latitude of Paris it is a little more than eleven and a half miles during the same period, whereas on the equator the motion of any point from west to east is at the rate of eighteen miles a minute, or equal to that of a cannon ball weighing 26 pounds and projected from a piece of artillery with thirteen pounds of powder. (1) Hence it is that any current, whether of a river or in the ocean, moving from north to south in the northern homisphere, must necessarily remain in the rear of the increasingly rapid terrestrial movement which carries it round, and must consequently deviate towards the west. The arctic current moving generally from north to south, continually traverses as it gains a more southern latitude portions of the earth's surface, which are moving with increasing rapidity towards the east, owing to its rotation; the current is, as it were, left behind. being a body possessing a distinct motion of its own, and the result is that it has always an increasing westerly trend, as it progresses towards the equator. The reverse of this is the case with the Gulf Stream, which flows; generally from south to north, and is continually attaining parts of the earth's surface, which have a rapidly diminishing motion from west to east, and the tendency to leave it in the rear grows less in proportion, hence its deviation is towards the east or in the direction of the earth's rotation.

In the southern hemisphere exactly the reverse action takes place. This law of deviation is observed by all moving bodies, such as winds, livers, balls in motion, etc. Rivers in the northern hemisphere flowing from north to south eat away the west bank, whereas rivers flowing from south to north attack the east bank. Rivers flowing from east to west have their currents accelerated, and from west to cast retarded, because they flow respectively with or against the motion of the earth.

The Labrador current is thus evidently affected by the rotation of the earth, which causes it to press upon the ceases, and as it rounds capes this pressure is removed, which causes at once strong local currents to the westward, the cause it is feared of many shipwrecks and the loss of life, especially in vicinity of Cape Race, Newfoundland, and in a less degree Cape Sable, N. S.

WRECKS OF FISHING VESSELS ON BRITISH-AMERICAN SHORES FROM 1863 TO 1876.

Nationality.	No. of vessels lost.
Canadian	
American	62
British	••• I
Newfoundland	1
Total	169

Average tonnage of the vessels lost 60 tons.

Consular Report. Reclus. "The Earth." (2.) (2.)

Year. No. of fish to a barrel of Liver. No. of fish to a barrel of Roe.