storing ice to preserve the catch of fish, and for storing the fish itself. The larger vessels are fitted with a reserve bunker, for use when steaming to distant fishing grounds. On the outward voyage the coal is worked from this bunker, so that the space can be used for storing fish on the homeward voyage. The fish room is divided up into several compartments, both vertically and horizontally, into which the various kinds of fish are carefully packed in ice, which preserves the catch in good condition during the return voyage, the ice being finely crushed before it is deposited in the ice room. consequence of the vessels frequenting consequence of the vessels frequenting distant fishing grounds, sometimes as far as 1,000 or 1,200 miles from the home port it has been found necessary to adopt a system of insulation for the better preservation of the fish, especially during the summer. The entire structure is of unusual strength, the scantlings being considerably in excess of Lloyd's requirements for their 100 A1 class, while the vessels are double rivetted throughout, these precautions having been found necessary, to enable this class of vessel, not only to withstand all conditions of weather, but also the heavy strains consequent on having to tow or trawl with a maximum weight of gear, with all the contingent risks of fouling obstacles, such as sunken wreckage and protruding rocks at the sea bottom. For the same reason very powerful machinery is fitted, ample boiler power being an important con-sideration. The engines are of the triple expansion type, and the principal working parts are of excessive dimensions, to provide against the severe and sudden strains the machinery of necessity has to contend with. A very powerful double barrelled steam winch, capable of winding 2 steel warps, varying from 1,000 to 1,500 fathoms in length, is fitted in a convenient position, while, as before mentioned ,there are special deck fittings of a most ingenious design, for working the fishing gear, the nature and position of which demand very careful study.

Steam herring drifters are used, round

the coast of Great Britain, in the herring fisheries. The modern steam drifter is a smart, sturdy, little craft with two masts, fore and mizzen, the foremast being arranged to lower when the vessel is drifting with the nets, so as to offer less wind resistance. The majority of steam drifters are now built of steel (but those to be built in Canada will be of wood) and vary from 80 to 99 ft. between perpendiculars by about 18 ft. breadth and 9½ ft. depth to top of keel. They are fitted with compound surface condensing engines of from 200 to 250 i.h.p. and attain a speed of from 9 to 10 knots. The general design of these vessels is a somewhat intricate study, owing to the great change of trim to which they are subject. To allow for this they are given a draft of from 10 to 11 ft. aft and only a 4 ft. forward. This deep aft is necessary, on account of the machinery and bunkers being placed abaft the centre line of the vessel, so as to leave sufficient space for fish and net rooms forward and thus prevent the ves-sel from going down by the head, when returning to market with a heavy load of fish. The fish room is divided off at each side into sections or "pounds," the object of this being to break up the bulk of the fish, which would otherwise be damaged by the vessel's motion. The only deck machinery is a self contained steam capstan, fitted near the bow of the vessel, for hauling in the rope to which the nets are attached. These are very ingenious machines of special design and workmanship. A comfortable cabin is

provided in the after part of the vessel and the crew are berthed under the forecastle forward, although in some cases the whole of the crew are accommodated in the after cabin. A separate galley is provided on the deck at the after part of the engine room casing.

Additional Shipbuilding Plants.

There are a number of rumors as to the establishment of new shipbuilding plants, probably only a few of which have any foundation in fact.

An Ottawa press dispatch says that negotiations are in progress with a view to the establishment in Canada of a branch of another of the large British shipbuilding firms, that the matter is occupying Sir Robert Borden's attention and that the plant will probably be located on the Atlantic seaboard.

The St. John Shipbuilding Co. is being organized at St. John, N.B., and will, it is said, be incorporated by Dominion charter, with an authorized capital of \$1,000,000. Thos. Nage is mentioned as the principal promoter.

Another project is spoken of for New-castle, N.B., E. A. McCurdy being one of the promoters, and Lord Beaverbrook being mentioned as one of those interested

International Shipbuilding Corporation Ltd. was incorporated recently, by Dominion charter, with authorized capital of \$2,000,000, and office in Montreal. The incorporators are all in the office of H. A. Lovett, K.C., there. It is said that United States people are interested among others.

Hamilton Shipbuilding and Ferry Co., a subsidiary of Canada Steamship Lines, Ltd., is said to be contemplating estab-

lishing a plant at Hamilton, Ont., and in this connection has informed the city council that a condition is that it should be given a lease of Wabasso Park, with a right to operate a ferry service.

The Canadian Shipbuilding Co.'s plant, which was established at Bridgeburg, Ont., as a Canadian General Electric Co.'s subsidiary, and which has not been operated for the past 10 years, or so, will it is reported be started up again.

it is reported, be started up again.

The National Shipbuilding Co., Ltd., has been incorporated, with an authorized capital of \$100,000, and office at Goderich, Ont., and will, it is said, take over the old Doty plant there.

Ocean & Inland Transportation Co., Ltd., has been incorporated under the Dominion Companies Act, with \$40,000 capital, and office at Montreal, to own and operate steam and other vessels, and to carry on a general navigation, salvage and towage business. The incorporators are: W. R. L. Shanks, F. G. Bush, G. R. Brennan, A. G. Yeoman and H. W. Jackson, Montreal.

The Australian Navigation Co., Ltd., incorporated under the Nova Scotia Companies Act, with office at Halifax, N.S., has been removed from the register and the company dissolved, as it is not carrying on business, and is not in operation.

H. Savigny, bridge tender on the Welland Canal, has been awarded \$300 for injuries sustained when the s.s. Mapleton collided with a bridge at Port Robinson last year.

The s.s. Westmount, which is being built for the Montreal Transportation Coby the Collingwood Shipbuilding Copywill be launched on Apr. 5.

Grain in Store at Terminal Elevators, Interior Terminal Elevators and at Public Elevators in the East.

C.P.R. 4,558,271 2,126,112 228,587 60 Consolidated Elevator Co. 1,033,785 238,839 38,772 179,761 1 Empire Elevator Co. 844,647 299,695 40,390 253,915 1 Ogilvie Flour Mills Co. 1,174,051 68,793 35,409 1 Western Terminal Elevator Co. 907,767 296,006 35,367 479,357 1 G. T. Pacific 3,240,888 2,202,249 132,679 83,986 5 Grain Growers' Grain Co. 1,234,283 779,649 96,266 2 Fort William Elevator Co. 832,943 456,514 28,425 63,118 1 Eastern Terminal Elevator Co. 1,038,088 575,238 28,163 1 Thunder Bay Elevator Co. 6675,836 381,238 60,376 66,087 1 Davidson & Smith 603,989 252,383 12,533 Port Arthur— Port Arthur Elevator Co. 4,690,718 2,559,421 417,452 166,039 7 D. Horn & Co. 267,784 143,401 29,852 140,473 Dominion Government Elevator 2,018,539 724,047 87,597 146,029 2 Grain afloat 89,245 101,331 Total terminal elevators 23,205,834 11,204,916 1,271,868 1,578,765 37 Saskatoon Can. Govt. Elevator 2,072,845 571,857 21,491 97,634 2 Calgary Can, Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051	bushels.
C.P.R. 4,558,271 2,126,112 228,587 60 Consolidated Elevator Co. 1,033,785 238,839 38,772 179,761 1 Empire Elevator Co. 844,647 299,695 40,390 253,915 1 Ogilvie Flour Mills Co. 1,174,051 68,793 35,409 1 Western Terminal Elevator Co. 907,767 296,006 35,367 479,357 1 G. T. Pacific 3,240,888 2,202,249 132,679 83,986 5 Grain Growers' Grain Co. 1,234,283 779,649 96,266 2 Fort William Elevator Co. 832,943 456,514 28,425 63,118 1 Eastern Terminal Elevator Co. 1,038,088 575,238 28,163 1 Thunder Bay Elevator Co. 6675,836 381,238 60,376 66,087 1 Davidson & Smith 603,989 252,383 12,533 Port Arthur— Port Arthur Elevator Co. 4,690,718 2,559,421 417,452 166,039 7 D. Horn & Co. 267,784 143,401 29,852 140,473 Dominion Government Elevator 2,018,539 724,047 87,597 146,029 2 Grain afloat 89,245 101,331 Total terminal elevators 23,205,834 11,204,916 1,271,868 1,578,765 37 Saskatoon Can. Govt. Elevator 2,072,845 571,857 21,491 97,634 2 Calgary Can, Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051	
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Western Terminal Elevator Co. 907,767 296,006 35,367 479,357 1 G. T. Pacific. 3,240,888 2,202,249 132,679 83,986 5 Grain Growers' Grain Co. 1,234,283 779,649 96,266 2 Fort William Elevator Co. 882,943 466,514 28,425 63,118 1 Eastern Terminal Elevator Co. 675,836 381,238 60,376 66,087 1 Davidson & Smith 603,989 252,383 12,533 Port Arhtur— Port Arthur Elevator Co. 4,690,718 2,559,421 417,452 166,039 7 D. Horn & Co. 267,784 143,401 29,852 140,473 146,029 2 Grain afloat 89,245 101,331 146,029 2 Total terminal elevators 23,205,834 11,204,916 1,271,868 1,578,765 37 Saskatoon Can. Govt. Elevator 2,029,952 666,967 37,132 67,079 2 Moose Jaw Can. Govt. Elevator 2,072,8	278,200
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Grain Growers' Grain Co. 1,234,283 779,649 96,266 2 Fort William Elevator Co. 832,943 456,514 28,425 63,118 1 Eastern Terminal Elevator Co. 1,038,088 575,238 28,163 1 Thunder Bay Elevator Co. 675,836 381,238 60,376 66,087 1 Port Arthur— Port Arthur Elevator Co. 4,690,718 2,559,421 417,452 166,039 7 D. Horn & Co. 267,784 143,401 29,852 140,473 1 Dominion Government Elevator 2,018,539 724,047 87,597 146,029 2 Grain afloat 89,245 101,331 1 Total terminal elevators 23,205,834 11,204,916 1,271,868 1,578,765 37 Saskatoon Can. Govt. Elevator 2,209,952 666,967 37,132 67,079 2 Moose Jaw Can. Govt. Elevator 2,072,845 57,051 57,051 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758	659.804
Fort William Elevator Co. 882,943 466,514 28,425 63,118 1 Eastern Terminal Elevator Co. 1,038,088 575,238 28,163 1 Thunder Bay Elevator Co. 675,836 381,238 60,376 66,087 1 Davidson & Smith 603,989 252,383 12,533 Port Arhtur— Port Arthur Elevator Co. 4,690,718 2,559,421 417,452 166,039 7 D. Horn & Co. 267,784 143,401 29,852 140,473 1 Dominion Government Elevator 2,018,539 724,047 87,597 146,029 2 Grain afloat \$89,245\$ 101,331 Total terminal elevators 23,205,834 11,204,916 1,271,868 1,578,765 37 Saskatoon Can. Govt. Elevator 2,209,952 666,967 37,132 67,079 2 Moose Jaw Can. Govt. Elevator 2,072,845 571,857 21,491 97,634 2 Calgary Can. Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051	110,190
Eastern Terminal Elevator Co. 1,038,088 575,238 28,163 1 Thunder Bay Elevator Co. 675,836 381,238 60,376 66,087 1 Davidson & Smith 603,989 252,383 12,533 Port Arthur— Port Arthur Elevator Co. 4,690,718 2,559,421 417,452 166,039 7 D. Horn & Co. 267,784 143,401 29,852 140,473 146,029 2 Grain afloat 89,245 101,331 166,029 2 Total terminal elevators 23,205,834 11,204,916 1,271,868 1,578,765 37 Saskatoon Can. Govt. Elevator 2,209,952 666,967 37,132 67,079 2 Moose Jaw Can. Govt. Elevator 2,072,845 571,857 21,491 97,634 2 Calgary Can. Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051 57,051 57,051	281.000
Thunder Bay Elevator Co. 675,836 381,238 60,376 66,087 1 Davidson & Smith 603,989 252,383 12,533 Port Arhtur— Port Arthur Elevator Co. 4,690,718 2,559,421 417,452 166,039 7 D. Horn & Co. 267,784 143,401 29,852 140,473 Dominion Government Elevator 2,018,539 724,047 87,597 146,029 2 Grain afloat 89,245 101,331 Total terminal elevators 23,205,834 11,204,916 1,271,868 1,578,765 37 Saskatoon Can. Govt. Elevator 2,209,952 666,967 37,132 67,079 2 Moose Jaw Can. Govt. Elevator 2,072,845 571,857 21,491 97,634 2 Calgary Can. Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051	636.488
Davidson & Smith 603,989 252,383 12,533 Port Arthur— Port Arthur— 1,253 12,533 Port Arthur— 2,559,421 417,452 166,039 7 D. Horn & Co. 267,784 143,401 29,852 140,473 Dominion Government Elevator 2,018,539 724,047 87,597 146,029 2 Grain afloat 89,245 101,331 Total terminal elevators 23,205,834 11,204,916 1,271,868 1,578,765 37 Saskatoon Can. Govt. Elevator 2,209,952 666,967 37,132 67,079 2 Moose Jaw Can. Govt. Elevator 2,072,845 571,857 21,491 97,634 2 Calgary Can. Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051 57,051	283.501
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Port Arthur Elevator Co. 4,690,718 2,559,421 417,452 166,039 7 D. Horn & Co. 267,784 143,401 29,852 140,473 29,852 140,473 29,852 140,473 20,18,539 724,047 87,597 146,029 20,22 20,22 20,22 101,331	
D. Horn & Co	833,630
Dominion Government Elevator	581.510
Grain afloat 89,245 101,331 Total terminal elevators 23,205,834 11,204,916 1,271,868 1,578,765 37 Saskatoon Can. Govt. Elevator 2,209,952 666,967 37,132 67,079 2 Moose Jaw Can. Govt. Elevator 2,072,845 571,857 21,491 97,634 2 Calgary Can. Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051	076 214
Total terminal elevators	190,576
Saskatoon Can. Govt. Elevator 2,209,952 666,967 37,132 67,079 2 Moose Jaw Can. Govt. Elevator 2,072,845 571,857 21,491 97,634 2 Calgary Can. Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051	
Moose Jaw Can. Govt. Elevator 2,072,845 571,857 21,491 97,634 2 Calgary Can. Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051	261,383
Moose Jaw Can. Govt. Elevator 2,072,845 571,857 21,491 97,634 2 Calgary Can. Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051	981,130
Calgary Can. Govt. Elevator 976,023 1,166,620 99,835 12,379 2 Vancouver Can. Govt. Elevator 4,758 57,051	768.821
Vancouver Can. Govt. Elevator 4,758 57,051	05/ 801
Total interior terminal elevators 5 692 578 2 462 495 158 458 177 002 8	61,809
	061,623
	264,535
Depot Harbor	264,500
Midland— Aberdeen Elevator Co	356.586
	17 961
450 000 500 001 00 100	085.360
	055 340
	26.240
Coming wood 1 filling in the contract of the c	721.20
doddion i i i i i i i i i i i i i i i i i i	299,662
The state of the s	
Kingston—	144,992
Montreal Transportation Co	61,044
Commercial Elevator Co	,409,917
Port Colborne	400,
	166,288
Harbor Commissioners no. 1 12,939 135,463 17,886	569,939
Harbor Commissioners no. 2	299,731
	248,508
Quebec Harbor Commissioners 2,960 245,548	144,443
West St. John, N.B	144,
Total public elevators	084,844
Total quantity in store	407,850
*Rye.	