

in round numbers 200,000. The quantity therefore has considerably more than quadrupled in five years, and more than doubled in the past as compared with the previous season. The average is not far from double the quantity with which the period under review began.

TRADE OF P. E. ISLAND.—There were shipped 6597 bushels of potatoes, 9,467 bushels of barley, 2,303 bushels turnips, and 21,920 bushels of oats to the United States in November of this year. There have also been shipped to Montreal about ten thousand bushels of potatoes, and large quantities to Halifax. The export of grain to Europe constitutes a leading and very important feature in the trade of the Island.

PLUMBAGO AS A LUBRICANT.—Every one knows that for heavy machinery plumbago is a good lubricant, but every one does not always think of applying it where it would serve best. It may thus be of value to some of our readers to know that Mr. Thomas Shaw found that a planer whose bed plate required the force of eight men to slide it when lubricated with the best ordinary material, could be easily shifted with one hand when plumbago of good quality was applied.

WOOD HARDENED TO STONE.—The Germans harden soft wood to the solidity of stone by coating it with an admixture of the following ingredients: Forty parts of chalk, fifty of resin, and four of linseed oil, melted together, adding one part of oxide of copper and one part of sulphuric acid. The mixture is applied with a brush whilst hot.

MARINE RECORD FOR 1869.—The following tables show the number of disasters reported in each month during the years 1868 and 1869 for the purpose of comparison, with an estimate of damage done to hulls and cargoes:

	No.	Damage.	No.	Damage.
Dec. 15 to 30, 1868	15	\$60,000	15	\$8,114,000
January, 1869	4	6,500	3	2,000
February	3	1,000	2	9,000
March	9	8,000	24	54,000
April	105	70,000	97	310,000
May	236	215,000	124	235,000
June	204	190,000	61	267,000
July	206	120,000	119	104,000
August	186	184,000	78	236,000
September	208	400,000	186	300,000
October	324	700,000	298	1,000,000
November	403	2,100,000	156	460,000
December	11	5,500	16	76,000
Total	1,914	\$4,160,000	1,164	\$3,114,000
Increase in 1869	790	1,646,000		

The following table shows the number of vessels totally lost, with their tonnage and value:

	No.	Tonnage.	Value.
Steamers	5	1,133	\$122,500
Propellers	19	5,747	340,000
Tugs	5	311	28,500
Barks	11	4,701	129,000
Brigs	4	1,314	46,000
Schooners	58	14,687	587,000
Scows	17	1,892	46,500
Sloops	2	40	1,600
Barges	13	4,357	51,600
Canal boats	1		2,500
Total	126	33,892	\$1,414,200
Losses in 1868	105	29,441	1,297,300
Increase in 1869	21	4,451	\$206,900

The following is a summary of the loss of life on the lakes during 1869, with comparative statement:

	1869.	1868.	1869.	1868.
Dec., 1868	4	Aug.	15	15
Jan., 1869	1	Sept.	14	53
Feb.	4	Oct.	21	56
March		Nov.	96	16
April	14	Dec.	1	2
May	9			
June	15	Total	309	321
July	15			

Toronto House Building Association.

THE Bill to incorporate this Association having passed the third reading, the balance of the stock may be subscribed for at the offices of

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39 Colborne Street,

Agents' Directory.

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APPLICATION will be made at the ensuing Session of the Legislature of Ontario for a Charter to authorize the construction of this Railway, to unite the waters of Lakes Simcoe, Couchiching, and Muskoka. A complete Survey of the line of country is in progress, and other preliminary measures adopted, in order that on the granting of the necessary bonuses in aid, by the respective municipalities, the work of construction may be commenced early in the ensuing Spring.

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