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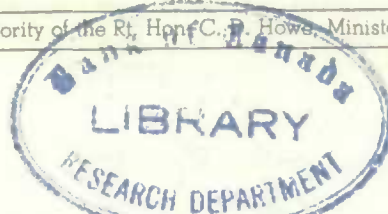
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Annual Industry Report

Iron and Steel and Their Products Group



THE SHIPBUILDING INDUSTRY, 1948

The value of production from Canadian shipyards amounted to \$106,783,268 in 1948, compared with \$110,131,129 in 1947 and \$91,851,460 in 1946.

The 76 shipyards which were included in this industry in 1948 employed an average of 13,399 workers for the year and paid out \$44,998,444 in salaries and wages, \$38,999,154 for materials for shipbuilding and \$1,701,728 for fuel and electricity. The 24 establishments on the west coast with production at \$27,173,975 accounted for 25 per cent of the total for Canada and the 13 yards in Quebec with output at \$48,936,904 accounted for 46 per cent.

This industry includes the establishments which were occupied in making commercial or naval vessels and also the yards which did ship repair work or were engaged in outfitting ships for delivery.

Table 1 - PRINCIPAL STATISTICS OF THE SHIPBUILDING INDUSTRY, 1944-1948

Year	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1944	94	67,076	138,967,246	3,610,913	101,056,440	329,299,643
1945	89	48,118	99,470,593	2,653,650	60,294,253	204,594,323
1946	79	20,246	40,975,731	1,400,316	25,915,348	91,851,460
1947	74	21,119	46,457,707	1,653,601	37,263,603	110,131,129
1948	76	18,399	44,998,444	1,701,728	38,999,154	106,783,268

NOTE: Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1947 and 1948

Province	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1947						
Nova Scotia	23)	3,979	8,881,779	384,172	4,160,093	18,815,906
New Brunswick	2)					
Quebec	10	9,321	20,904,188	690,450	24,262,136	49,338,677
Ontario	15	2,463	4,992,393	219,565	5,382,146	13,378,233
British Columbia and Yukon	24	5,356	11,679,347	359,414	3,459,228	28,598,313
CANADA ...	74	21,119	46,457,707	1,653,601	37,263,603	110,131,129
1948						
Nova Scotia	21)	2,969	6,932,505	333,379	4,497,056	14,202,357
New Brunswick	2)					
Quebec	13	8,131	19,715,375	732,008	23,603,498	48,936,904
Ontario	16	3,162	7,069,531	270,405	5,848,947	16,470,032
British Columbia ...	24	4,137	11,274,033	365,936	5,049,653	27,173,975
CANADA ...	76	18,399	44,998,444	1,701,728	38,999,154	106,783,268

This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 3 - PRODUCTS MADE IN THE SHIPBUILDING INDUSTRY, 1947 and 1948

	1 9 4 7			1 9 4 8		
	No. of vessels delivered	Gross tonnage	Value of deliveries \$	No. of vessels delivered	Gross tonnage	Value of deliveries \$
Naval vessels, all types .....	...	...	5,115,445	...	...	4,331,433
Commercial Vessels -						
Cargo and Cargo-Passenger vessels	28	76,321	33,060,034	41	121,851	65,141,173
Dredges	1	...	8,444	2	280	162,553
Ferries	6	12,409	7,466,586	...	...	...
Fishing boats	63	1,895	733,197	...	...	6,340,234
Passenger ships .....	...	...	...	2	...	3,560,826
Scows and barges .....	...	...	846,338	...	...	6,165,829
Tankers .....	...	...	...	3	8,838	3,476,493
Tugs	89	...	1,511,807	...	...	1,489,942
Small craft - with power	118	...	314,816	...	...	284,407
without power	70	...	60,234	...	...	89,101
All other commercial vessels	8	...	125,097	...	...	122,339
TOTAL COMMERCIAL VESSELS	411	...	44,126,553	...	...	86,832,897
Other Production -						
			Value \$			Value \$
Work done during year on undelivered vessels			33,969,893			19,182,147
Repairs done to vessels during the year			42,077,069			31,084,414
Miscellaneous products (boilers, engines, etc.)			7,629,829			11,603,919
TOTAL GROSS PRODUCTION			132,918,789			153,034,810
Less value of work done in previous years on vessels delivered in current year			22,787,660			46,251,542
TOTAL NET PRODUCTION			110,131,129			106,783,268

Table 4 - MATERIALS USED IN THE SHIPBUILDING INDUSTRY, 1947 and 1948

Material	Unit of measure	1 9 4 7		1 9 4 8	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Iron -					
Pig iron	net ton	974	41,658	870	36,275
Iron castings of all kinds	net ton	2,323	450,383	1,816	403,731
Steel (other than special alloy) -					
Steel castings	net ton	1,362	461,439	1,615	544,900
Bars	net ton	3,935	306,691	3,563	364,652
Forgings	net ton	...	1,237,971	...	855,204
Plates - Boiler	net ton	3,705	299,735	8,518	822,315
Other	net ton	47,384	3,482,293	47,953	3,796,709
Shafting	net ton	764	201,055	782	141,114
Sheets - Plain	net ton	987	100,151	1,815	175,955
Galvanized	net ton	548	72,594	908	97,965
Tinplate	net ton	...	4,911	...	...
Strip	net ton	338	34,124	441	45,154
Structural shapes	net ton	16,438	1,234,553	15,173	1,314,097
Boiler tubes	net ton	623	124,607	601	79,202
Wire	net ton	249	32,894	418	67,421
Alloy steel in all forms .....	...	...	75,267	...	254,011
Scrap iron and steel of all kinds	net ton	1,347	35,634	1,382	47,948
Other iron and steel .....	...	...	1,352,562	...	35,025

Table 4 - MATERIALS USED IN THE SHIPBUILDING INDUSTRY, 1947 and 1948 (Concluded)

Material	Unit of measure	1 9 4 7		1 9 4 8	
		Quantity	Cost at	Quantity	Cost at
			works		works
Non-ferrous metals -					
Aluminum	pound	609,773	161,724	867,147	254,610
Brass and bronze	pound	2,297,397	532,617	821,729	427,489
Copper	pound	492,868	148,929	428,957	134,705
Lead	pound	122,266	15,328	96,553	18,606
Tin	pound	10	7
Zinc	pound	354,108	42,970	317,711	41,588
Babbitt metals and solders	pound	145,563	87,497	83,797	65,681
Other metals	7,859	...	27,677
Other materials and supplies -					
Iron and steel pipe and fittings	1,839,006	...	2,049,644
Lumber	M ft.b.m.	20,540	2,077,219	17,179	1,797,409
Timber	M ft.b.m.	1,658	169,845	1,487	161,949
Oxygen	cu.ft.	64,707,423	586,373	44,004,714	438,949
Acetylene	cu.ft.	11,347,094	232,146	9,042,110	205,132
Engines purchased	3,747,153	...	5,537,295
Boilers purchased	281,433	...	373,787
Electrical equipment purchased	1,637,951	...	1,061,706
All other materials	16,147,024	...	17,321,249
<hr/>					
TOTAL	37,263,603	...	38,999,154

Table 5 - VALUE OF SHIPBUILDING, 1939-1948

Year	Value of ships delivered during the year	Less value of work done in previous years on ships delivered in current year	Add value of work done on ships not completed at year end	Total value of new construction	Value of ship repairs
(dollars)					
1939	984,047	135,919	1,495,631	2,343,759	7,744,386
1940	11,181,439	616,524	18,630,604	29,195,519	13,078,322
1941	55,119,904	17,997,998	48,425,609	85,547,515	19,900,616
1942	169,860,076	40,713,154	79,566,438	208,713,360	27,734,479
1943	305,933,303	69,846,518	98,384,791	334,471,576	34,382,613
1944	261,566,009	85,355,741	68,759,297	244,969,565	63,104,439
1945	165,340,341	64,610,569	44,531,776*	145,261,548	44,337,794
1946	44,749,959	15,382,051*	25,535,274	54,903,182	28,644,712
1947	49,241,998	22,787,660	33,969,893	60,424,231	42,077,069
1948	91,164,330	46,251,542	19,182,147	64,094,935	31,084,414

* - The large discrepancy between these figures is due chiefly to the cancellation of wartime contracts and to the fact that several of the yards engaged in such work ceased operations during the year and no reports were received for inclusion in the 1946 totals.

Table 6 - EMPLOYEES, SALARIES AND WAGES IN THE SHIPBUILDING INDUSTRY, BY PROVINCES, 1947 and 1948

Table 3 - ~~EMPLOYMENT, SALARIES AND WAGES IN THE SHIPBUILDING INDUSTRY, BY PROVINCE, 1947 AND 1948~~

Province	Average Number of Employees					Salaries	Wages	Total Salaries and Wages
	On Salaries		On Wages		Total			
	Male	Female	Male	Female				
<u>1947</u>						\$	\$	\$
Nova Scotia and New Brunswick	232	81	3,604	62	3,979	831,805	8,049,974	8,881,779
Quebec	566	186	8,517	52	9,321	1,987,193	18,916,995	20,904,188
Ontario	215	77	2,152	19	2,463	787,682	4,204,711	4,992,393
British Columbia and Yukon	478	128	4,742	8	5,356	1,694,120	9,985,227	11,679,347
TOTAL	1,491	472	19,015	141	21,119	5,300,800	41,156,907	46,457,707

Shipbuilding

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Table 6 - EMPLOYEES, SALARIES AND WAGES IN THE SHIPBUILDING INDUSTRY, BY PROVINCES, 1947 and 1948 (Concluded)

Province	Average Number of Employees					Salaries	Wages	Total Salaries and Wages
	On Salaries		On Wages		Total			
	Male	Female	Male	Female				
1948								
Nova Scotia and New Brunswick	203	74	2,636	56	2,969	735,290	6,204,215	6,939,505
Quebec	586	169	7,328	48	8,131	2,178,067	17,537,308	19,715,375
Ontario	205	85	2,853	19	3,162	772,535	6,296,996	7,069,531
British Columbia	412	116	3,603	6	4,137	1,687,200	9,586,833	11,274,033
TOTAL	1,406	444	16,420	129	18,399	5,373,092	39,625,352	44,998,444

LIST OF FIRMS IN THE SHIPBUILDING INDUSTRY, 1948

Name of Firm	Location of Plant
<u>Nova Scotia -</u>	
Atlantic Shipyards Ltd.	Meteghan
Boudreau, Charles M.	Upper Wedgeport
Collings, Wm., & Sons, Limited	711 Barrington St., Halifax
Halifax Shipyards, Limited	Halifax and Dartmouth
Hogan T., & Company	121 Lower Water St., and 298 Upper Water St., Halifax
Industrial Shipping Co. Ltd.,	Mahone Bay
Leary's Shipyards	Dayspring
McKay, W. C., & Sons, Limited	Shelburne
North Sydney Marine Railway Company, Limited	North Sydney
Pictou Foundry & Machine Company Limited	Front St., Pictou
Pinauds' Walter, Yacht Yard	Baddeck
Port Hawkesbury Marine Railway Co. Ltd.	Port Hawkesbury
Purdy Brothers, Limited	67 Upper Water St., Halifax
Shelburne Shipbuilders, Ltd.	Dock St., Shelburne
Smith & Rhuland	Lunenburg
Sweeney, W. Laurence	Water St., Yarmouth
Sydney Engineering & Dry Dock Co. Ltd.	Esplanade, Sydney
Theriault, A. F.	Meteghan River, Digby County
Thompson Bros. Machinery Co. Ltd.	Water St., Liverpool
Wagstaff & Hatfield	Port Greville
Weagle, Hugh D., Boat Builder	Ft. Canal St., Dartmouth
<u>New Brunswick -</u>	
St. John Dry Dock & Shipbuilding Co., Limited	Bayside Drive, East Saint John
St. John Iron Works, Ltd.	Vulcan St., Saint John
<u>Quebec -</u>	
Canadian Vickers, Limited	4970 Notre Dame St. E., Montreal
Chantier Maritime de St. Laurent Ltée.	St. Laurent
Davie Shipbuilding & Repairing Co. Ltd.	Lauzon
Davie, Geo. T. & Sons, Limited	Lauzon
Hatley Craft	North Hatley
Lambert, Charles Henry	216 St. Laurent St., Lévis
Marine Industries, Limited	Sorel
MacQueen, Donald	831 Wellington St., Montreal
Montreal Dry Docks, Limited	1151 Mill St., Montreal
Morin, L. P.	31 Sault-au Matelot, Quebec
Norwegian Woodcraft Ltd.	2255 Westhill Ave., Montreal
St. Lawrence Dry Docks Limited	Rear 2050 Notre Dame St. W., Montreal
St. Lawrence Metal & Marine Works Inc.,	75 Henderson St., Quebec

LIST OF FIRMS IN THE SHIPBUILDING INDUSTRY, 1948

Name of Firm	Location of Plant
<u>Ontario -</u>	
Canadian Dredge & Dock Co., Limited	Wellington St., Kingston
Canadian Shipbuilding & Engineering Limited	Kingston
Collingwood Shipyards Limited, The	Collingwood
Erieau Shipbuilding & Drydock Co.	Erieau
Grant, J. A., & Sons	Port Colborne
Greavette Boats, Limited	Humber Bay and Gravenhurst
Heighton, H. E. & Son	130 Mellanby Ave., Humberstone
Magee Chas. & Sons Ltd.	P.O. Box 530, Port Colborne
Midland Shipyards, Limited	Midland
Muir Bros. Dry Dock Company, Limited	Port Dalhousie
Northern Shipbuilding & Repair Co. Ltd.	Bronte
Port Weller Dry Docks Limited	Port Weller
Port Arthur Shipbuilding Co., Limited	Port Arthur
Russell Brothers, Limited	Owen Sound
Taylor, J. & J. & Sons, Ltd.	Ft. of Bathurst St., Toronto
Toronto Dry Dock Company Limited	170 Villiers St., Toronto
<u>British Columbia and Yukon</u>	
Beach Avenue Shipyards (1932) Ltd.	944 Beach Ave., Vancouver
Benson, A. C., Shipyard, Ltd.	1705 W. Georgia St., Vancouver
B. C. Marine Engineers & Shipbuilders, Ltd.	Ft. Victoria Drive, Vancouver
British Columbia Packers Ltd., (Celtic Shipyards)	Foot Blenheim St., Vancouver
Burrard Dry Dock Company Limited	Esplanade St. E., North Vancouver
Burrard Shipyard & Engineering Works, Limited	1729 W. Georgia St., Vancouver
Burrard Iron Works, Ltd.	235 Alexander St., Vancouver
Canadian Pacific Railway Company	Nelson-Nakusp, Rosebery & Okenagan Landing
Dawe Marine Ltd.	650 Denman St., Vancouver
Fosters Shipyard	419 Bay St., Victoria
Nelson Bros. Fisheries Ltd.	2374 Dyke Rd., Queensboro, New Westminster
Newcastle Shipbuilding Ltd.	Nanaimo
Pacific Drydock Company Limited	171 W. Esplanade, N. Vancouver
Point Hope Shipyards, Limited	Victoria
Prince Rupert Dry Dock and Shipyard	Prince Rupert
Scott, D. J.	Mitchell Island, Vancouver
Star Shipyard (Mercers) Ltd.	61 Duncan St., New Westminster
Sterling Shipyards, Ltd.	North End, Victoria Drive, Vancouver
Vancouver Shipyards Ltd.	1881 W. Georgia St., Vancouver
Victoria Machinery Depot Co., Ltd.	Dallas Road and 343 Bay St., Victoria
West Coast Shipbuilders, Ltd.	157 West 1st Ave., Vancouver
West Coast Salvage & Contracting Co. Ltd.	1199 W - 6th Ave., Alder St., Vancouver
Wright Shipyards	Broughton St., Vancouver
Yarrows, Limited	Esquimalt

NOTE: Establishments occupied chiefly in making rowboats, canoes and small vessels of five tons or less are included in the "Boatbuilding Industry" which is covered in a separate report.

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