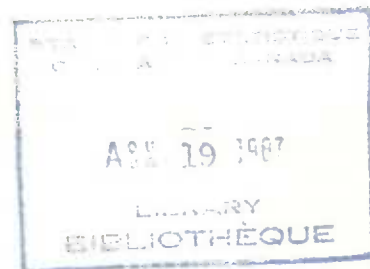


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CANADA



THE SHIPBUILDING INDUSTRY

1953



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I — General Review of the Manufacturing Industries, \$1.50
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 25¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
- V — Rubber Products
- VI — Leather Products
- VII — Textiles
- VIII — Wood and Paper Products
- IX — Printing Trades
- X — Iron and Steel Products
- XI — Transportation Equipment
- XII — Non-ferrous Metal Products
- XIII — Electrical Apparatus and Supplies
- XIV — Non-metallic Mineral Products
- XV — Products of Petroleum and Coal
- XVI — Chemicals and Allied Products
- XVII — Miscellaneous Manufactures

The present report belongs in Part XI, Transportation Equipment. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A — General Review, 25¢
- B — The Aircraft and Parts Industry, 25¢
- C — The Bicycle Manufacturing Industry, 25¢
- D — The Boat Building Industry, 25¢
- E — The Motor Vehicles Industry, 25¢
- F — The Motor Vehicle Parts Industry, 25¢
- G — The Railway Rolling Stock Industry, 25¢
- H — The Shipbuilding Industry, 25¢
- I — The Miscellaneous Transportation Equipment Industry, 25¢

THE SHIPBUILDING INDUSTRY

1953

The value of production from Canadian shipyards amounted to \$183,215,310 in 1953, compared with \$159,057,949 in 1952 and \$95,218,518 in 1951.

The 79 shipyards which were included in 1953 employed 22,571 workers during the year and paid out \$72,732,056 in salaries and wages, \$65,821,268 for materials for shipbuilding and \$1,870,379 for fuel and electricity.

The 13 establishments in Quebec with production at \$87,290,590 accounted for 48 per cent of the total

for Canada and the 28 yards in British Columbia with output at \$32,548,906 accounted for 18 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. The government naval dockyards on the east and west coasts have not been included, although a considerable amount of repairs and overhauling was done at these stations.

TABLE 1. Principal Statistics of The Shipbuilding Industry, 1949-1953

Year	Number of plants	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
			\$	\$	\$	\$
1949	80	12,562	30,909,310	1,369,141	28,285,590	75,601,385
1950	76	11,454	28,356,192	1,332,569	25,242,491	63,676,556
1951	76	14,836	40,104,531	1,445,398	35,316,718	95,218,518
1952	74	20,676	61,700,312	2,072,958	60,247,318	159,057,949
1953	79	22,571	72,732,056	1,870,379	65,821,268	183,215,310
Per cent change, 1953 from 1952	—	+ 9.2	+ 17.9	- 9.8	+ 9.3	+ 15.2

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, 1952 and 1953

Province	Number of plants	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
			\$	\$	\$	\$
1952						
Newfoundland	1	1,308	2,826,690	128,986	2,381,234	7,354,849
Prince Edward Island	1					
New Brunswick	2					
Nova Scotia	19	2,984	8,541,349	314,360	7,544,041	20,975,702
Quebec	12	8,458	24,106,231	918,015	24,387,848	65,816,898
Ontario	13	4,088	12,514,735	382,876	15,634,306	34,266,558
British Columbia	26	3,838	13,711,307	320,721	10,299,889	30,643,942
Canada	74	20,676	61,700,312	2,072,958	60,247,318	159,057,949
1953						
Newfoundland	2	119	334,314	11,197	191,102	610,787
Prince Edward Island	1					
Nova Scotia	19	3,284	9,625,935	302,756	10,163,150	23,947,229
New Brunswick	3	1,248	2,927,965	111,665	1,910,267	8,177,537
Quebec	13	10,719	34,005,878	706,848	31,174,241	87,290,590
Ontario	13	3,703	12,443,881	352,289	12,133,108	30,640,261
British Columbia	28	3,405	13,394,083	385,624	10,249,400	32,548,906
Canada	79	22,571	72,732,056	1,870,379	65,821,268	183,215,310

TABLE 3. Products Made in the Shipbuilding Industry, 1952 and 1953

Product	1952			1953		
	No. of vessels delivered	Gross tonnage	Value of deliveries	No. of vessels delivered	Gross tonnage	Value of deliveries
			\$			\$
Naval vessels, all types	3	—	4,249,816	6	—	14,959,639
Commercial vessels:						
Cargo and cargo-passenger vessels	6	57,091	17,935,109	6	29,157	17,608,921
Dredges	1	714	731,325	1	—	1,587,675
Ferries	4	—	329,637	1	—	141,023
Fishing boats	23	—	936,569	20	—	607,404
Passenger ships	—	—	—	3	—	600,000
Scows and barges	22	—	753,793	13	—	567,029
Tankers	2	25,276	8,674,242	1	17,844	7,453,180
Tugs	27	—	669,490	20	—	326,666
Small craft:						
With power	2	—	4,750	13	—	113,405
Without power	26	—	6,734	13	—	30,522
All other commercial vessels	56	—	590,273	35	—	9,525,490
Total production for year	169	—	30,631,922	126	—	38,561,315
			Value			
			\$			\$
Other production:						
Work done during year on undelivered vessels			64,777,915			74,218,646
Repairs done to vessels during the year			47,578,971			62,787,081
Miscellaneous products (boilers, engines, etc.)			28,905,163			25,116,627
Total value of deliveries and other production			176,143,787			215,643,308
Less value of work done in previous years on vessels delivered in current year			17,085,838			32,427,998
Total production for year			159,057,949			183,215,310

TABLE 4. Materials Used in the Shipbuilding Industry, 1952 and 1953

Material	Unit of measure	1952		1953	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Iron:					
Pig iron	net ton	834	48,024	863	49,573
Steel (other than special alloy):					
Bars	net ton	6,343	1,131,900	6,963	1,372,647
Forgings	—	—	—	—	—
Plates	net ton	66,870	7,339,963	60,117	6,573,672
Sheets:					
Plain	net ton	3,187	463,696	3,018	464,208
Galvanized	"	597	121,058	762	133,527
Tinplate	"	6	1,466	3	652
Strip	"	412	66,374	282	59,861
Structural shapes	"	20,130	2,206,672	19,411	2,312,469
Wire	"	—	270,759	1,016	278,615
Alloy steel in all forms	—	—	754,786	—	903,682
Scrap iron and steel of all kinds	net ton	1,604	61,763	1,715	55,214
Other iron and steel	—	—	1,915,813	—	2,282,448
Non-ferrous metals:					
Aluminum—Castings	pound	29,573	47,042	46,888	73,072
Sheet	"	1,602,145	690,494	1,477,608	535,089
Other forms	"	508,936	441,463	643,217	480,192
Brass and bronze	"	1,499,408	712,827	1,649,586	748,919
Copper—Sheet	"	361,337	210,197	368,345	216,216
Wire	"	3,184	2,277	4,651	2,764
Other forms	"	167,651	84,394	202,225	116,703
Lead	"	92,274	22,468	77,575	17,922
Nickel	"	15,997	13,871	6,065	3,803
Tin	"	1,686	1,441	2,757	1,955
Zinc	"	86,920	26,138	109,627	30,608
Babbitt metals and solders	"	144,523	121,923	155,436	125,867
Other metals	—	—	150,550	—	210,555
Other materials and supplies:					
Iron and steel pipe and fittings	—	—	2,826,290	—	3,245,997
Lumber	M ft. b.m.	14,214	1,815,792	12,789	1,615,050
Timber	"	3,347	380,874	2,850	346,041
Engines purchased	—	—	2,755,743	—	2,952,021
Boilers purchased	—	—	1,340,274	—	725,374
Electrical equipment purchased	—	—	3,184,374	—	4,129,968
All other materials	—	—	31,036,612	—	35,756,587
Total	—	—	60,247,318	—	65,821,268

TABLE 5. Value of Shipbuilding, 1944-1953

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					
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 ¹	145,261,548	44,337,794
1946	44,749,959	15,382,051 ¹	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
1949	36,493,912	15,900,147	16,074,504	36,668,269	27,613,026
1950	25,702,978	16,207,727	16,659,090	26,454,341	27,011,849
1951	18,942,971	12,080,187	36,122,684	42,985,468	35,443,294
1952	34,881,738	17,085,838	64,777,915	82,573,815	47,578,971
1953	53,520,954	32,427,998	74,218,646	95,311,602	62,787,081

1. 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 and Their Earnings in the Shipbuilding Industry, by Provinces, 1952 and 1953

Province	Number of employees					Earnings		
	Office and supervisory		Production workers		Total	Office and supervisory	Production workers	Total
	Male	Female	Male	Female				
1952						\$	\$	\$
Newfoundland, Prince Edward Island and New Brunswick	132	34	1,142	—	1,308	477,233	2,349,457	2,826,690
Nova Scotia	127	56	2,765	36	2,984	659,670	7,881,679	8,541,349
Quebec	808	209	7,401	40	8,458	3,864,290	20,241,941	24,106,231
Ontario	243	84	3,756	5	4,088	1,197,806	11,316,929	12,514,735
British Columbia	367	99	3,360	12	3,838	1,650,546	12,060,761	13,711,307
Total	1,677	482	18,424	93	20,676	7,849,543	53,850,767	61,700,312
1953								
Newfoundland, Prince Edward Island and New Brunswick	137	34	1,196	—	1,367	505,752	2,756,527	3,262,279
Nova Scotia	148	58	3,042	36	3,284	794,406	8,831,529	9,625,935
Quebec	943	248	9,478	50	10,719	4,628,753	29,377,125	34,005,878
Ontario	289	85	3,396	26	3,796	1,423,808	11,017,073	12,443,881
British Columbia	381	121	2,891	12	3,405	2,064,226	11,329,857	13,394,083
Total	1,898	546	20,003	124	22,571	9,419,945	63,312,111	72,732,056

TABLE 7. Capital and Repair Expenditures in the Shipbuilding Industry, 1949-1953

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	\$'000						
1949	409	1,570	1,979	640	2,951	3,591	5,570
1950	315	1,474	1,789	631	2,500	3,131	4,920
1951	516	1,976	2,492	1,202	2,636	3,838	6,330
1952	1,110	1,798	2,908	1,681	4,298	5,979	8,887
1953 ¹	1,716	3,203	4,919	1,630	4,367	5,997	10,916

1. Preliminary.

TABLE 8. Fuel and Electricity Used¹ in the Shipbuilding Industry, 1948 and 1953

Kind	Unit of measure	1948		1953	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal—Canadian	ton	6,648	78,406	14,939	190,453
Imported	ton	20,355	229,217	10,036	122,441
Sub-bituminous coal (from Alberta mines only)	ton	54	1,180	7	121
Anthracite coal	ton	775	12,583	653	13,783
Coke	ton	1,563	30,234	518	10,179
Gasoline	Imp. gal.	362,675	120,133	388,405	139,644
Kerosene or coal oil	Imp. gal.	39,662	9,614	44,506	10,799
Fuel oil	Imp. gal.	4,759,618	482,605	3,468,612	401,972
Wood	cord	819	6,699	—	—
Gas—Liquefied petroleum gases (propane, etc.)	Imp. gal.	2	2	25,311	11,107
Manufactured	M cu. ft.	18,781	15,970	53,624	65,581
Natural	—	—	—	—	—
Other fuel	—	—	29,102	—	2,705
Electricity purchased	k.w.h.	56,433,809	685,985	74,577,955	901,594
Total	—	—	1,701,728	—	1,870,379
Electricity generated for own use	k.w.h.	198,000	—	317,100	—

1. Details shown in Tables 8 and 9 are collected only every five years; accordingly, data for intervening years are not available.
2. Not available separately.

TABLE 9. Power Equipment¹, 1948 and 1953

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
1948				
Steam engines and steam turbines	40	5,409	3	295
Diesel engines	27	1,668	—	—
Gasoline, gas and oil engines	111	7,372	2	170
Total primary	178	14,449	5	465
Electric motors operated by purchased power	4,744	73,420	82	2,674
Total	4,922	87,869	87	3,139
Electric motors operated by power generated by above primary units	18	416	—	—
Stationary power boilers	62	7,489	3	253
Motor-generator sets	219	10,044 k.v.a.	11	290 k.v.a.
1953				
Steam engines and steam turbines	14	4,255	2	38
Diesel engines	5	390	3	450
Gasoline, gas and oil engines	29	1,389	6	150
Total primary	48	6,034	11	638
Electric motors operated by purchased power	8,511	86,041	139	1,470
Total	8,559	92,075	150	2,108
Electric motors operated by power generated by above primary units	22	2,293	—	—
Stationary power boilers	25	3,638	3	28
Motor-generator sets	189	6,082 k.v.a.	2	28 k.v.a.

1. See footnote to Table 8.

List of Firms in the Shipbuilding Industry, 1953

Name of firm	Location of shipyard
Newfoundland:	
Burys Shipyard	Glovertown
Newfoundland Shipyards Limited	Clarenville
Prince Edward Island:	
Bruce Stewart & Co. Limited	Charlottetown
Nova Scotia:	
Collings, Wm., & Sons, Limited	711 Barrington St., Halifax
Halifax Shipyards, Limited	Halifax and Dartmouth
Hogan, T., & Company, Limited	121 Lower Water St., and 298 Upper Water St., Halifax
Heary's Shipyards	Dayspring
Lunenburg Foundry Co. Limited	Lunenburg
MacLean, John, & Sons, Limited	Mahone Bay
McKay, W.C., & Sons, Limited	Shelburne
North Sydney Marine Railway Company, Limited	North Sydney
Pictou Foundry & Machine Company Limited	Front St., Pictou
Pinaud's, Walter, Yacht Yard	Baddeck
Port Hawkesbury Marine Railway Co. Ltd.	Port Hawkesbury
Purdy Brothers, Limited	67 Upper Water St., Halifax
Smith & Rhuland, Limited	Lunenburg
Steel & Engine Products Ltd.	Water St., Liverpool
Sweeney, W. Laurence	Water St., Yarmouth
Sydney Engineering & Dry Dock Co. Ltd.	Esplanade, Sydney
Theriault, A.F.	Meteghan River, Digby County
Wagstaff & Hatfield	Port Greville
Weagle, Hugh D.	Ft. Canal St., Dartmouth
New Brunswick:	
La Construction De St. Paul Ltée	Lower Caraquet
St. John Dry Dock Co., Limited	Bayside Drive, East Saint John
St. John Iron Works, Ltd.	Vulcan St., Saint John
Quebec:	
Canadian Vickers, Limited	4970 Notre Dame St. E., Montreal
Chantier Maritime de St-Laurent Ltée	St-Laurent
Davie Brothers Ltd.	61 Commercial St., Levis
Davie Shipbuilding & Repairing Co. Ltd.	Lauzon
Davie, Geo. T., & Sons, Limited	Lauzon
Marine Industries, Limited	Sorel
MacQueen, Donald, Co. Ltd.	831 Wellington St., Montreal
McDonnell Ship Repairs Limited	770 Mill St., Montreal 3
Montreal Dry Docks, Limited	1151 Mill St., Montreal
Norwegian Woodcraft Ltd.	2255 Westhill Ave., Montreal
St. Lawrence Dry Docks Limited	Rear 2050 Notre Dame St. W., Montreal
Talbot, Hunter, Engineering & Boiler Works Ltd.	170 St. Paul St., Quebec
York Enterprises Inc., The	Gaspé
Ontario:	
Canadian Dredge & Dock Co., Limited	Wellington St., Kingston
Canadian Shipbuilding & Engineering Limited	Kingston
Collingwood Shipyards Limited, The	Collingwood
Erieau Shipbuilding & Drydock Co. Ltd.	Erieau
Grant, J.A., & Sons	Port Colborne
Heighton, H.E., & Son	130 Mellanby Ave., Port Colborne
Magee, E.B., Ltd.	Port Colborne
Midland Shipyards Co. Limited	Midland
Port Dalhousie Shipyards Ltd.	Port Dalhousie
Port Weller Dry Docks Limited	Port Weller
Port Arthur Shipbuilding Co., Limited	Port Arthur
Russel-Hipwell Engines Limited	2202-3rd Ave. East, Owen Sound
Toronto Dry Dock Company, Limited	170 Villiers St., Toronto
British Columbia:	
Alert Bay Shipyards Ltd.	Alert Bay
Allied Builders Ltd.	Vancouver
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
Black Ball Towing Co. Ltd.	650 Denman St., Vancouver
British Columbia Packers Ltd.	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 & Okanagan Landing
Fosters' Shipyard	419 Bay St., Victoria
Madill, S., Ltd.	Nanaimo
McKenzie Barge & Derrick Co. Ltd.	Vancouver
Metal Vessels Ltd.	114-11th St., New Westminster
Northwest Marine Repairs Ltd.	1352 Powell St., Vancouver
Pacific Drydock Company Limited	171 W. Esplanade, N. Vancouver
Park Shipyards Ltd.	Vancouver
Point Hope Shipyards, Limited	Victoria
Prince Rupert Dry Dock and Shipyard	Prince Rupert
Star Shipyard (Mercers) Ltd.	61 Duncan St., New Westminster
Starling Shipyards, Ltd.	North End Victoria Drive, Vancouver
Vancouver Shipyards Ltd.	1881 W. Georgia St., Vancouver
Victoria Machinery Depot Co., Ltd.	33 Dallas Rd., Victoria
West Coast Salvage & Contracting Co. Ltd.	1199 W.-6th Ave., Vancouver
Wiley's Shipyard Ltd.	Gabriola Island
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 "Boat Building Industry" which is covered in a separate report.

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