

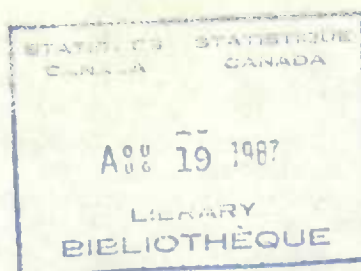
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CANADA

FEB 20 1958



THE SHIPBUILDING INDUSTRY

1956



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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, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
 - 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 — Textile Mills
- VIII — Knitting Mills
- IX — Clothing
- X — Wood and Paper Products
- XI — Printing Trades
- XII — Iron and Steel Products
- XIII — Transportation Equipment
- XIV — Non-ferrous Metal Products
- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

The present report belongs in Part XIII, 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

1956

The value of production from Canadian shipyards amounted to \$147,198,662 in 1956 compared with \$133,836,942 in 1955 and \$156,606,890 in 1954.

The 67 shipyards which were included in 1956 employed 17,782 workers during the year and paid out \$64,685,550 in salaries and wages, \$54,130,593 for materials for shipbuilding and \$1,879,263 for fuel and electricity.

The 11 establishments in Quebec and 2 in New Brunswick with production at \$66,055,288 accounted

for 45 per cent of the total for Canada and the 22 yards in British Columbia with output at \$42,290,932 accounted for 28 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, Significant Years 1929-1956, and by Provinces, 1955 and 1956

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost at plant of materials used	Value added by manufacture	Gross selling value of products
	No.	No.	\$	\$	\$	\$	\$
1929	41	5,297	7,472,865	360,819	5,607,297	11,524,909	17,493,025
1933	38	2,254	2,644,396	240,961	939,661	3,291,245	4,521,367
1937	40	3,502	4,411,910	279,993	3,204,905	6,875,793	10,360,686
1939	43	3,491	4,950,179	293,877	3,514,321	7,121,769	11,234,967
1943	57	75,847	153,595,336	3,428,518	123,317,336	240,315,120	376,560,974
1946	79	20,246	40,975,731	1,400,316	25,915,343	64,535,796	91,851,460
1949	80	12,562	30,909,310	1,369,141	23,235,590	45,946,654	75,601,385
1952	74	20,676	61,700,312	2,072,953	60,247,318	96,737,673	159,057,949
1953	70	22,571	72,732,056	1,370,379	65,321,268	115,523,663	183,215,310
1954	76	19,356	65,256,543	1,774,253	56,259,981	92,572,656	156,606,890
1955							
Prince Edward Island	1	2,924	9,134,218	301,710	7,903,535	12,064,967	20,270,212
Nova Scotia	18						
New Brunswick	3						
Quebec	11						
Ontario	13						
British Columbia	24	3,664	14,250,207	320,791	10,065,511	24,066,422	34,452,724
Canada	70	16,829	56,167,658	1,621,654	47,335,389	84,879,899	133,836,942
1956							
Newfoundland	1	2,940	9,350,167	354,850	3,228,374	12,474,947	21,058,171
Prince Edward Island	1						
Nova Scotia	18						
New Brunswick	2						
Quebec	11						
Ontario	12	1,941	7,243,651	277,210	7,401,613	10,115,443	17,794,271
British Columbia	22	4,643	19,752,340	474,667	11,633,194	30,183,071	42,290,932
Canada	67	17,782	64,685,550	1,879,263	54,130,593	91,188,806	147,198,662

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.

TRANSPORTATION EQUIPMENT

TABLE 2. Inventories¹, by Provinces, 1956

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Nova Scotia	1,160,022	627,836	—	1,787,858
Quebec	4,745,107	6,269,244	—	11,014,351
Ontario	1,633,082	1,026,124	84,235	2,743,441
British Columbia	2,362,977	2,120,156	—	4,483,133
Other provinces	455,310	2,545	—	457,855
Canada	10,357,098	10,045,905	84,285	20,487,288
Closing:				
Nova Scotia	1,363,873	785,366	3,690	2,152,929
Quebec	5,105,019	7,615,216	—	12,720,235
Ontario	1,343,596	1,491,455	7,510	2,842,561
British Columbia	3,263,430	1,352,213	280	5,135,923
Other provinces	603,572	321	24,000	627,893
Canada	11,709,500	11,745,071	35,486	23,490,057

1. (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Shipbuilding Industry for the year under review are shown in the above table.

2. Adjusted to allow for progress payments.

TABLE 3. Products Made in the Shipbuilding Industry, 1955 and 1956

Product	1955			1956		
	Number of vessels delivered	Gross tonnage	Value of deliveries	Number of vessels delivered	Gross tonnage	Value of deliveries
			\$			\$
Naval vessels, all types	6	—	31,864,569	12	—	51,123,321
Commercial vessels:						
Cargo and cargo-passenger vessels	5	13,377	5,947,945	5	8,045	2,731,626
Dredges	9	—	1,943,311	3	—	286,897
Ferries	7	—	16,968,934	2	—	284,000
Fishing boats	35	—	1,338,780	43	—	1,690,673
Passenger ships	2	—	150,000	—	—	—
Scows and barges	66	—	3,173,154	57	—	3,463,500
Tankers	—	—	—	—	—	—
Tugs	23	—	515,333	20	—	4,251,201
Small craft:						
With power	37	—	671,920	61	—	1,010,603
Without power	30	—	150,043	25	—	48,702
All other commercial vessels	16	—	737,223	12	—	2,694,456
Total commercial vessels	237	—	31,615,143	228	—	16,461,883
Total all vessels	—	—	63,479,712	240	—	67,645,204
			Value			
			\$			\$
Other production:						
Work done during year on undelivered vessels and on reconditioning and conversion			46,841,472			43,774,027
Repairs done to vessels during the year			42,074,757			42,857,489
Miscellaneous products (boilers, engines, etc.)			23,791,387			34,020,204
Total value of deliveries and other production			176,187,328			188,251,934
Less value of work done in previous years on vessels delivered in current year and on reconditioning and conversion			42,350,386			41,223,251
Total production for year			133,836,942			147,198,682

TABLE 4. Materials Used in the Shipbuilding Industry, 1955 and 1956

Material	Unit of measure	1955		1956	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Iron:					
Pig iron.....	net ton	433	30,933	569	39,772
Steel (other than special alloy):					
Bars.....	"	5,684	1,184,386	5,924	1,368,951
Plates.....	"	31,385	4,219,953	45,440	5,468,859
Sheets:					
Plain.....	"	2,907	340,512	2,995	441,924
Galvanized.....	"	537	102,390	707	134,036
Strip.....	"	501	31,881	505	39,394
Structural shapes.....	"	12,155	1,970,036	17,019	2,447,867
Wire.....	"	1,513	230,722	1,232	279,931
Alloy steel in all forms.....	—	—	752,177	—	842,830
Scrap iron and steel of all kinds.....	net ton	1,911	50,471	1,748	63,025
Iron and steel pipe and fittings.....	—	—	1,617,353	—	2,955,026
Other iron and steel.....	—	—	1,230,153	—	608,276
Non-ferrous metals:					
Aluminum — Castings.....	pound	36,965	46,892	27,542	31,193
Sheet.....	"	653,915	301,417	1,089,031	592,322
Other forms.....	"	388,206	257,376	925,395	295,314
Brass and bronze.....	"	800,403	519,709	991,683	773,202
Copper — Sheet.....	"	246,562	193,503	283,038	217,206
Wire.....	"	10,725	7,432	4,747	3,302
Other forms.....	"	220,187	111,038	103,723	62,934
Lead.....	"	71,779	16,853	64,646	15,131
Nickel.....	"	2,933	1,993	5,493	3,374
tin.....	"	915	963	309	920
Zinc.....	"	153,855	39,551	210,272	41,795
Rabbit metals and solders.....	"	137,674	131,127	117,094	106,443
Other non-ferrous metals.....	—	—	252,523	—	22,130
Other materials and supplies:					
Paint and varnishes.....	—	—	524,362	—	652,012
Lumber.....	sq ft, b.m.	12,470	1,466,646	13,872	1,603,117
Lumber.....	"	3,068	337,573	2,630	328,793
Engines purchased.....	—	—	3,234,931	—	3,990,450
Boilers purchased.....	—	—	179,149	—	490,374
Electrical equipment purchased.....	—	—	2,796,031	—	4,348,558
All other materials.....	—	—	25,203,555	—	24,825,967
Total.....	—	—	47,335,389	—	54,130,593

TABLE 5. Value of Shipbuilding, 1947-1956

Year	Value of ships delivered during the year	Less value of work done in previous years on ships delivered in current year ¹	Add value of work done on ships not completed at year-end ¹	Total value of new construction ¹	Value of ship repairs
Dollars					
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	31,034,414
1949.....	36,493,912	15,900,147	16,074,504	36,663,289	27,613,026
1950.....	25,702,978	16,207,727	16,659,090	26,154,341	27,011,349
1951.....	18,942,971	12,030,137	36,122,684	42,985,463	35,443,294
1952.....	34,881,738	17,085,333	64,777,915	32,573,815	47,573,971
1953.....	53,520,954	32,427,993	74,218,646	95,311,602	62,737,081
1954.....	68,753,916	45,259,791	65,652,151	39,146,276	44,880,585
1955.....	63,479,712	42,350,336	46,841,472	67,970,798	42,074,757
1956.....	67,645,204	41,098,262	43,774,027	70,320,969	42,857,130

1. Includes value of work done on reconditioning and conversion.

TABLE 6. Principal Statistics of the Shipbuilding Industry, Classified According to Type of Ownership, 1955 and 1956

Type	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Gross value of production
	No.	No.	\$	\$	\$
1955					
Individual ownership.....	5	62	131,871	131,308	331,422
Partnerships.....	4	35	95,692	140,596	238,267
Incorporated companies.....	61	16,732	55,940,095	47,063,485	133,267,253
Total	70	16,829	56,167,658	47,335,389	133,836,942
1956					
Individual ownership.....	5	63	135,981	171,405	327,904
Partnerships.....	4	33	71,959	104,384	205,797
Incorporated companies.....	58	17,686	64,477,610	53,854,804	146,664,961
Total	67	17,782	64,685,550	54,130,593	147,198,662

TABLE 7. Principal Statistics of the Shipbuilding Industry in Canada, Grouped According to Selling Value of Products, 1955 and 1956

Establishments reporting value of production	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Gross value of production
	No.	No.	\$	\$	\$
1955					
Under \$25,000.....	1	27	70,937	85,001	134,564
\$25,000 to \$49,999.....	3				
\$50,000 to \$99,999.....	7		214,226	226,736	480,705
\$100,000 to \$199,999.....	12	263	811,111	551,509	1,599,493
\$200,000 to \$499,999.....	17	776	2,533,845	1,499,034	5,254,757
\$500,000 to \$999,999.....	12	908	3,258,660	2,124,378	7,877,289
\$1,000,000 to \$4,999,999.....	9	2,258	7,611,476	6,984,991	17,635,191
\$5,000,000 and over.....	9	12,506	41,667,403	35,863,740	100,854,943
Total	70	16,829	56,167,658	47,335,389	133,836,942
1956					
Under \$10,000.....	1	24	58,572	39,408	125,205
\$25,000 to \$49,999.....	3				
\$50,000 to \$99,999.....	6		179,627	208,526	411,441
\$100,000 to \$199,999.....	12	263	740,666	676,904	1,767,872
\$200,000 to \$499,999.....	17	780	2,593,486	1,873,840	5,868,517
\$500,000 to \$999,999.....	9	764	2,863,674	1,537,691	6,346,103
\$1,000,000 to \$4,999,999.....	10	2,843	8,966,858	7,263,577	21,538,034
\$5,000,000 and over.....	9	13,032	49,282,667	42,530,647	111,141,490
Total	67	17,782	64,685,550	54,130,593	147,198,662

TABLE 8. Employees and Their Earnings in the Shipbuilding Industry, by Provinces, 1955 and 1956

Province	Number of employees					Earnings		
	Office and supervisory		Production workers		Total	Office and supervisory	Production workers	Total
	Male	Female	Male	Female				
1955								
Prince Edward Island and Nova Scotia.....	154	57	2,683	30	2,924	804,016	8,330,202	9,134,218
New Brunswick	143	32	1,037	—	1,212	493,207	2,370,541	2,863,748
Quebec	1,062	255	5,906	68	7,291	5,187,734	18,773,909	23,961,643
Ontario	247	54	1,434	3	1,738	1,253,150	4,704,692	5,957,842
British Columbia	360	113	3,188	3	3,664	2,130,302	12,119,905	14,250,207
Total	1,966	511	14,248	104	16,829	9,868,409	46,299,249	56,167,658
1956								
Newfoundland, Prince Edward Island and Nova Scotia	153	60	2,697	30	2,940	851,613	8,498,554	9,350,167
New Brunswick	132	29	648	5	814	441,602	1,078,587	1,520,189
Quebec	1,170	268	5,956	50	7,444	6,023,907	20,794,796	26,818,703
Ontario	235	68	1,632	6	1,941	1,248,176	5,995,475	7,243,651
British Columbia	399	138	4,104	2	4,643	2,480,669	17,272,171	19,752,840
Total	2,089	563	15,037	93	17,782	11,045,967	53,639,583	64,685,550

TABLE 9. Production Workers, by Months, 1955 and 1956

Month	1955			1956		
	Male	Female	Total	Male	Female	Total
January	14,138	134	14,272	14,586	88	14,674
February	14,611	128	14,739	15,139	89	15,228
March	14,904	129	15,033	15,323	82	15,405
April	14,866	127	14,993	15,148	90	15,238
May	14,453	123	14,576	15,258	86	15,344
June	14,223	91	14,314	15,353	88	15,441
July	13,580	89	13,669	15,216	94	15,310
August	13,370	89	13,459	14,602	90	14,692
September	13,796	88	13,884	14,454	87	14,541
October	14,537	91	14,628	14,933	88	15,021
November	14,339	91	14,430	15,396	84	15,480
December	14,154	91	14,245	15,085	87	15,172
Average	14,248	104	14,352	15,037	93	15,130

TABLE 10. Capital and Repair Expenditures in the Shipbuilding Industry, 1952-1956

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						
1952	1, 110	1, 798	2, 908	1, 681	4, 298	5, 979	8, 887
1953	1, 507	2, 000	3, 507	1, 992	3, 111	5, 103	8, 610
1954	1, 548	2, 418	3, 966	2, 124	3, 246	5, 370	9, 336
1955	683	2, 043	2, 726	1, 596	2, 860	4, 456	7, 182
1956 ¹	2, 340	3, 649	5, 989	1, 357	3, 572	4, 929	10, 918

1. Preliminary.

TABLE 11. Fuel and Electricity Used in the Shipbuilding Industry, 1956

Kind	Unit of measure	Quantity	Cost at works
			\$
Bituminous coal—Canadian	tons	6,000	83,657
—Imported	"	12,416	146,628
Anthracite coal	"	74	1,740
Coke	"	476	13,460
Gasoline (Including gasoline used in cars and trucks)	imp. gal.	344,437	128,020
Kerosene	"	39,253	7,538
Fuel oil	"	5,051,988	581,540
Wood	cords	52	440
Gas—Liquefied petroleum gases	imp. gal.	22,497	5,403
Other manufactured	1000 cu. ft.	1,732	2,378
Natural	"	428	562
Other fuel	—	—	122,044
Electricity purchased	kwh.	69,084,992	785,853
Total	—	—	1,879,263



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List of Firms in the Shipbuilding Industry, 1956

Name of firm	Location of shipyard
Newfoundland:	
Newfoundland Shipyards Ltd.	Clareville
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
Ferguson Industries Ltd.	Pictou
Leary'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
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
Sweeney, W. Laurence	Water St., Yarmouth
Sydney Engineering & Dry Dock Co. Ltd.	Esplanade, Sydney
Theriault, A.F., & Son Ltd.	Meteghan River, Digby County
Wagstaff & Hatfield	Port Greville
Weagle, Hugh D.	Ft. Canal St., Dartmouth
New Brunswick:	
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., Lévis
Davie Shipbuilding & Repairing Co. Ltd.	Lauzon
Davie, Geo. T., & Sons, Limited	Lauzon
Gaspé Shipbuilding Inc.	Gaspé
Marine Industries, Limited	Tracy
McDonnell Ship Repairs Limited	770 St. St., Montreal 3
Montreal Dry Docks, Limited	1151 St. St., Montreal
St. Lawrence Dry Docks Limited	Rear 2050 Notre Dame St. W., Montreal
Talbot, Hunter, Engineering & Boiler Works Ltd.	170 St. Paul St., Quebec
Ontario:	
Canadian Dredge & Dock Co., Limited	Wellington St., Kingston
Collingwood Shipyards, Div. of Canadian Shipbuilding & Engineering Ltd.	Collingwood
Erieau Shipbuilding & Drydock Co. Ltd.	Erieau
Gamble, Harry, Shipyards	Port Dover
Grant, J.A., & Sons	Port Colborne
Heighton, H.E., & Son	130 Mellanby Ave., Port Colborne
Kingston Shipyards, Div. of Canadian Shipbuilding & Engineering Ltd.	Kingston
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
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
McKeen & Wilson Ltd.	944 Beach Ave., Vancouver
McKenzie Barge & Derrick Co. Ltd.	Vancouver
Point Hope Shipyards, Limited	Victoria
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.	33 Dallas Rd., Victoria
West Coast Salvage & Contracting Co. Ltd.	1199 W. - 6th Ave., 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 "Boat Building Industry" which is covered in a separate report.