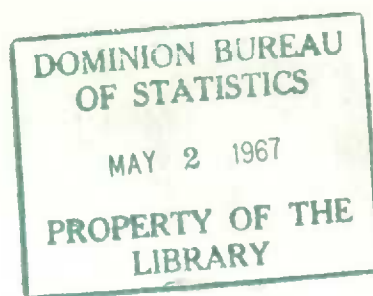


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ANNUAL



BOATBUILDING AND REPAIR 1965

ANNUAL CENSUS
OF MANUFACTURES

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PUBLICATIONS

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BOATBUILDING AND REPAIR

1965

For statistical purposes the industry titled Boatbuilding and Repair in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in building and repairing all types of boats. This industry, for the most part, handles the smaller type of craft, such as motor boats, sailboats, rowboats, lifeboats and canoes.

The number of establishments classified to this industry in 1965 remained the same but a comparison of 1965 and 1964 lists indicates that some establishments were deleted and others added in 1965.

During 1965 the total value of production increased by 11 per cent and the total cost of materials used increased by 12 per cent. value added on production remained constant at 53 per cent and manufacturing wages were also constant at 25 per cent of the value of production.

It should be noted that Table 13 of this report covers shipments reported by those firms classified to this industry whereas Table 14 represents the total reported shipments of Canadian manufactured boats and includes shipments of boats reported by firms that manufacture boats as a secondary activity, and who are therefore not classified to this industry.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

— amount too small to be expressed.

p preliminary figures.

* revised figures.

x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Principal Statistics, 1961-65

Year and province	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	223	1,058	2,187	3,369	194	6,019	13,126	6,719	215	563	1,328	4,345	6,923
1962													
Totals	242	1,208	2,450	3,870	236	6,996	15,113	8,482	222	568	1,434	4,779	8,711
1963													
Totals	241	1,395	2,972	4,892	249	9,362	19,655	10,502	200	556	1,654	5,941	10,924
1964													
Newfoundland	1	x	x	x	x	x	x	x	—	—	x	x	x
Prince Edward Island	6	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	47	187	366	490	28	1,155	2,227	1,168	58	158	201	542	1,165
New Brunswick	5	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	28	225	499	822	33	1,276	3,242	2,146	25	78	272	1,082	2,155
Ontario	66	588	1,241	2,032	119	4,227	8,510	4,493	45	143	709	2,596	4,673
Manitoba	6	60	133	189	15	397	742	343	3	7	70	242	350
Saskatchewan	1	x	x	x	x	x	x	x	—	—	x	x	x
Alberta	4	10	19	38	2	72	113	57	—	—	17	63	57
British Columbia	78	366	737	1,681	56	2,310	5,339	3,076	59	175	437	1,994	3,211
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	242	1,513	3,190	5,511	274	9,915	21,125	11,816	199	579	1,808	6,891	12,174
1965													
Newfoundland	1	x	x	x	x	x	x	x	—	—	x	x	x
Prince Edward Island	6	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	44	175	354	479	29	927	1,996	1,167	53	167	198	577	1,170
New Brunswick	7	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	27	190	439	672	40	1,704	3,604	1,894	24	92	234	909	1,903
Ontario	70	636	1,341	2,418	137	4,751	10,050	4,905	49	166	774	3,020	5,151
Manitoba	6	65	152	237	18	533	1,013	417	x	x	76	288	435
Saskatchewan	1	x	x	x	x	x	x	x	—	—	x	x	x
Alberta	2	x	x	x	x	x	x	x	—	—	x	x	x
British Columbia	78	420	817	2,034	69	2,698	6,750	4,036	55	179	492	2,372	4,075
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	242	1,568	3,273	6,121	317	11,112	24,630	13,077	194	636	1,876	7,545	13,401

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	41	14	19	29	8	118	277	176	46	92	16	33	188
\$ 10,000 to \$ 24,999	73	94	172	263	21	461	1,153	730	84	232	105	294	748
25,000 " 49,999	49	161	325	539	30	705	1,782	1,118	40	134	196	644	1,167
50,000 " 99,999	30	174	353	640	31	942	2,173	1,241	21	72	213	786	1,292
100,000 " 199,999	22	226	461	888	36	1,462	2,861	1,619	4	21	265	1,042	1,655
200,000 " 499,999	18	382	802	1,458	64	2,466	5,395	3,044	4	28	447	1,802	3,154
500,000 " 999,999	9	462	1,056	1,694	84	3,762	7,284	3,888	—	—	566	2,289	3,970
1,000,000 " 4,999,999													
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,513	3,190	5,511	274	9,915	21,125	11,816	199	579	1,808	6,891	12,174
1965													
Under \$10,000	36	13	19	25	7	101	268	179	41	91	15	31	182
\$ 10,000 to \$ 24,999	72	101	192	316	26	541	1,254	780	71	212	132	398	818
25,000 " 49,999	53	151	292	484	37	831	1,956	1,155	51	172	179	570	1,181
50,000 " 99,999	31	173	345	658	34	966	2,281	1,337	21	99	213	810	1,448
100,000 " 199,999	18	161	311	675	24	1,105	2,481	1,344	5	17	192	807	1,365
200,000 " 499,999	20	392	830	1,549	65	2,670	5,720	2,996	5	45	458	1,877	3,052
500,000 " 999,999	9	360	801	1,550	80	2,853	6,313	3,416	—	—	424	1,917	3,478
1,000,000 " 4,999,999	3	217	483	863	44	2,046	4,357	1,870	—	—	263	1,136	1,875
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,568	3,273	6,121	317	11,112	24,630	13,077	194	636	1,876	7,545	13,401

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	84	62	111	170	23	422	945	518	90	200	73	210	522
\$ 10,000 to \$ 24,999	64	152	296	466	25	831	1,784	996	67	210	174	533	1,016
25,000 " 49,999	43	202	408	723	38	1,126	2,578	1,516	36	130	243	853	1,596
50,000 " 99,999	23	228	443	835	36	1,378	2,923	1,643	2	10	278	1,048	1,767
100,000 " 199,999	15	308	662	1,195	52	1,719	3,817	2,242	4	28	359	1,449	2,264
200,000 " 499,999	10	372	851	1,144	76	2,754	5,326	2,723	—	—	444	1,792	2,837
500,000 " 999,999	3	189	419	677	22	1,685	3,752	2,178	—	—	237	1,005	2,172
1,000,000 " 4,999,999													
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,513	3,190	5,511	274	9,915	21,125	11,816	199	579	1,808	6,891	12,174
1965													
Under \$10,000	63	43	74	117	18	328	656	378	71	177	61	160	403
\$ 10,000 to \$ 24,999	86	173	333	556	40	964	2,315	1,351	80	247	209	669	1,403
25,000 " 49,999	37	172	338	598	35	1,241	2,493	1,299	33	149	202	687	1,321
50,000 " 99,999	28	268	532	1,042	44	1,695	3,708	1,965	6	22	321	1,275	2,076
100,000 " 199,999	13	256	538	1,024	42	1,570	3,570	1,980	4	41	302	1,262	2,032
200,000 " 499,999	11	402	903	1,631	95	2,970	6,731	3,348	—	—	478	2,026	3,354
500,000 " 999,999	4	254	555	1,153	43	2,344	5,158	2,756	—	—	303	1,466	2,813
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,568	3,273	6,121	317	11,112	24,630	13,077	194	636	1,876	7,545	13,401

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	82	61	110	168	23	412	922	501	87	193	72	208	497
\$ 10,000 to \$ 24,999	64	143	279	434	24	790	1,700	962	69	214	163	498	990
25,000 " 49,999	43	195	394	692	36	1,165	2,588	1,484	37	134	233	803	1,527
50,000 " 99,999	24	228	443	857	36	1,239	2,807	1,672	2	10	279	1,058	1,763
100,000 " 199,999	16	325	694	1,238	56	1,870	4,031	2,295	4	28	380	1,527	2,388
200,000 " 499,999	10	372	851	1,444	76	2,754	5,326	2,723	—	—	444	1,792	2,837
500,000 " 999,999	3	189	419	677	22	1,685	3,752	2,178	—	—	237	1,005	2,172
1,000,000 " 4,999,999													
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,513	3,190	5,511	274	9,915	21,125	11,816	199	579	1,808	6,891	12,174
1965													
Under \$10,000	62	42	73	115	18	315	634	370	70	174	60	158	391
\$ 10,000 to \$ 24,999	83	159	306	499	34	915	2,176	1,280	78	243	192	601	1,293
25,000 " 49,999	40	179	351	625	39	1,279	2,579	1,335	36	157	207	710	1,381
50,000 " 99,999	28	268	530	1,041	44	1,692	3,692	1,947	6	22	324	1,283	2,013
100,000 " 199,999	13	220	467	916	41	1,419	3,294	1,858	4	41	256	1,113	1,938
200,000 " 499,999	12	446	991	1,773	97	3,148	7,097	3,532	—	—	534	2,214	3,571
500,000 " 999,999	4	254	555	1,153	43	2,344	5,158	2,756	—	—	303	1,466	2,813
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,568	3,273	6,121	317	11,112	24,630	13,077	194	636	1,876	7,545	13,401

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under 5 employed	138	147	274	448	41	1,104	2,528	1,487	147	390	172	524	1,513
5- 14 employed	73	427	875	1,555	73	2,304	5,233	3,033	52	189	512	1,853	3,173
15- 49 "	25	576	1,211	2,248	98	3,940	8,186	4,494	—	—	683	2,790	4,613
50- 99 "	6	363	830	1,260	63	2,567	5,179	2,801	—	—	441	1,724	2,875
100-199 "													
200-499 "	—	—	—	—	—	—	—	—	—	—	—	—	—
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,513	3,190	5,511	274	9,915	21,125	11,816	199	579	1,808	6,891	12,174
1965													
Under 5 employed	146	170	323	548	53	1,434	3,286	1,924	147	439	208	669	1,953
5- 14 employed	87	436	878	1,646	81	2,612	5,871	3,205	47	196	516	1,956	3,372
15- 49 "	21	505	1,067	2,099	92	3,758	8,104	4,245	—	—	614	2,642	4,347
50- 99 "	8	457	1,005	1,827	91	3,309	7,370	3,703	—	—	538	2,278	3,729
100-199 "													
200-499 "	—	—	—	—	—	—	—	—	—	—	—	—	—
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,568	3,273	6,121	317	11,112	24,630	13,077	194	636	1,876	7,545	13,401

TABLE 6. Principal Statistics classified by Type of Organization, 1964 and 1965

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Individual ownerships	110	205	391	626	37	1,136	2,512	1,431	111	332	213	643	1,471
Partnerships	39	81	168	293	18	674	1,549	887	88	247	85	302	916
Incorporated companies	93	1,227	2,632	4,592	219	8,105	17,064	9,498	...	...	1,510	5,946	9,786
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,513	3,190	5,511	274	9,915	21,125	11,816	199	579	1,808	6,891	12,174
1965													
Individual ownerships	106	221	418	715	41	1,413	3,058	1,650	106	340	228	729	1,664
Partnerships	40	76	159	279	19	676	1,629	972	88	296	80	290	995
Incorporated companies	96	1,271	2,695	5,126	257	9,024	19,942	10,455	...	...	1,568	6,526	10,743
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,568	3,273	6,121	317	11,112	24,630	13,077	194	636	1,876	7,545	13,401

TABLE 7. Calculation of Output, Input and Value Added, 1964 and 1965

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
\$'000						
Output						
1. Shipments and other revenue	21,125	24,630	1,527	1,430	22,652	26,060
Inventories—Goods of own manufacture:						
Add closing—Goods in process	1,768	1,564	...	...	1,768	1,564
Finished goods	1,716	1,556	...	...	1,716	1,556
Deduct opening—Goods in process	1,304	1,716	...	...	1,304	1,716
Finished goods	1,301	1,527	...	...	1,301	1,527
2. Net inventory change	879	(123)	...	...	879	(123)
3. Gross output (1 + 2)	22,004	24,507	1,527	1,430	23,531	25,937
Input						
4. Purchases of goods not of own manufacture .....	...	...	939	963	939	963
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	337	226	337	226
Deduct closing .....	...	...	207	241	207	241
5. Cost of goods sold (not of own manufacture) .....	...	...	1,069	948	1,069	948
6. Materials, supplies, etc.	9,915	11,112	100	159	10,015	11,271
7. Fuel and electricity	274	317	...	...	274	317
8. Gross input (5 + 6 + 7)	10,189	11,429	1,169	1,107	11,358	12,536
Value added (3 - 8)	11,816	13,077	358	323	12,174	13,401

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distri- bution	Total
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	number										\$'000				
1964															
Newfoundland	x	—	—	—	x	—	x	x	x	—	x	—	x	x	x
Prince Edward Island	x	x	—	—	x	x	x	x	x	x	x	—	x	x	x
Nova Scotia	187	—	—	—	12	1	1	—	200	1	490	—	50	2	542
New Brunswick	x	x	—	—	x	x	x	x	x	x	x	—	x	x	x
Quebec	223	2	—	—	26	9	9	3	258	14	822	—	176	85	1,082
Ontario	557	31	2	—	65	38	16	—	640	69	2,032	1	473	91	2,596
Manitoba	59	1	—	—	6	3	1	—	66	4	189	—	43	11	242
Saskatchewan	x	x	—	—	x	—	x	x	x	x	x	—	x	x	x
Alberta	10	—	—	—	7	—	—	—	17	—	38	—	25	—	63
British Columbia	362	4	1	—	54	12	1	3	418	19	1,681	—	304	9	1,994
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	1,474	39	3	—	184	65	34	9	1,695	113	5,511	1	1,144	235	6,891
1965															
Newfoundland	x	—	—	—	x	—	—	—	x	—	x	—	x	—	x
Prince Edward Island	x	x	—	—	x	x	—	—	x	x	x	—	x	—	x
Nova Scotia	175	—	—	—	18	3	1	1	194	4	479	—	88	10	577
New Brunswick	x	—	—	—	x	x	x	—	x	x	x	—	x	x	x
Quebec	187	3	1	—	20	7	13	3	221	13	672	2	137	97	909
Ontario	606	30	1	—	78	44	13	2	698	76	2,418	1	525	77	3,020
Manitoba	62	3	—	—	7	3	1	—	70	6	237	—	41	11	288
Saskatchewan	x	—	—	—	x	—	—	—	x	—	x	—	x	—	x
Alberta	x	—	—	—	x	x	—	—	x	x	x	—	x	—	x
British Columbia	407	13	—	—	48	18	4	2	459	33	2,034	—	310	28	2,372
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	1,518	50	2	—	184	78	36	8	1,740	136	6,121	3	1,177	244	7,545

TABLE 9. Production and Related Workers, — Manufacturing Activity, 1964 and 1965

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	1,219	25	1,263	53
February	1,274	44	1,298	63
March	1,348	53	1,372	81
April	1,389	58	1,419	84
May	1,415	59	1,455	79
June	1,311	32	1,441	43
July	1,207	26	1,324	38
August	1,075	30	1,190	37
September	1,049	28	1,208	35
October	1,075	28	1,240	22
November	1,083	30	1,239	27
December	1,130	35	1,268	35
Averages	1,217	39	1,315	50
Establishments reporting annual averages (small establishments only)	257	—	203	—
Average for all establishments	1,474	39	1,518	50

TABLE 10. Inventories, 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	x	—	—	x	—	x
Prince Edward Island	x	x	x	x	—	x
Nova Scotia	139	221	39	399	—	399
New Brunswick	x	x	x	x	x	x
Quebec	371	88	482	941	85	1,026
Ontario	885	903	586	2,373	84	2,457
Manitoba	56	40	73	169	--	170
Saskatchewan	x	x	x	x	—	x
Alberta	x	x	x	x	—	x
British Columbia	373	367	134	874	49	923
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	1,986	1,716	1,527	5,229	226	5,455
Closing:						
Newfoundland	x	—	—	x	—	x
Prince Edward Island	x	x	x	x	—	x
Nova Scotia	205	306	81	592	—	592
New Brunswick	x	x	x	x	x	x
Quebec	452	117	487	1,056	77	1,133
Ontario	1,256	679	552	2,487	97	2,584
Manitoba	65	26	43	133	--	133
Saskatchewan	x	x	x	x	—	x
Alberta	x	x	x	x	—	x
British Columbia	496	352	202	1,050	58	1,108
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	2,648	1,564	1,556	5,767	241	6,009

TABLE 11. Purchased Fuel and Electricity Used, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	236	539	8
(b) Imported	"	10	—	—
Sub-bituminous coal (from Alberta mines only)	"	—	—	—
Anthracite coal	"	—	—	—
Lignite coal	"	22	—	—
Coke	"	23	—	—
Gasoline (including gasoline used in cars and trucks)	imp. gal.	135,173	155,716	64
Fuel oil including kerosene or coal oil	"	301,998	226,387	35
Wood	cord	465	498	6
Gas:				
(a) Liquefied petroleum gases	imp. gal.	8,434	21,041	5
(b) Other manufactured gas	M cu. ft.	—	—	—
(c) Natural gas	"	35,960	48,380	45
Other fuel .....		...	...	—
Electricity purchased	kwh.	4,432,894	5,807,166	103
Steam purchased .....		...	...	—
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity		50	...	51
3. All establishments:				
Total fuel and electricity used		274	...	317

CATALOGUE No.

42-205

ANNUAL

Boatbuilding and Repair 1965

ERRATA

	1964		1965	
	No.	\$'000	No.	\$'000
Page 11, Table 13				
Rowboats, skiffs and dories				
Reads	2,656	251	2,712	313
Should read	5,506	877	7,743	1,045
Sailboats, inc. sail fishing boats				
Reads	4,220	3,025	6,631	3,885
Should read	1,370	2,398	1,435	1,680
Page 12, Table 14				
Rowboats, skiffs and dories				
Reads	2,737	256	2,810	320
Should read	5,585	882	7,841	1,052
Sailboats without auxiliary power				
Reads	4,820	33,145	6,466	2,412
Should read	1,970	2,518	1,435	1,680

TABLE 12. Materials and Supplies - Manufacturing Activity, 1964 and 1965

Description	1964		1965		
	Quantity	Cost	Quantity	Cost	
		\$'000		\$'000	
1. Materials used:					
Lumber (rough or planed), softwood (pine, spruce, etc.)	M bd. ft.	3,154	433	2,958	403
Lumber (rough or planed), hardwood (birch, oak, basswood, etc.)	"	1,685	438	1,646	423
Veneer	M sq. ft.	563	34	179	19
Plywood	"	1,424	350	2,055	436
Steel, hot or cold rolled:					
Bars	ton	453	60	594	109
Sheets (thinner than 3/16 in.):					
Plain	"	238	59	279	67
Galvanized	"	16	4	23	5
Other iron and steel .....	...	388	...	...	558
Non-ferrous metal in all forms (including scrap):					
Aluminum:					
Castings	lb.	126,533	82	162,752	104
Sheet	"	829,052	460	1,006,545	551
Other forms	"	75,647	49	403,512	204
Brass and bronze	"	385,093	295	453,589	330
Other non-ferrous metals .....	...	44	...	...	57
Other materials and supplies:					
Fibreglass .....	...	776	...	...	1,091
Paints and varnishes .....	...	204	...	...	239
Synthetic resin (alkyd polyester type) .....	...	448	...	...	634
All other materials and components used ¹ .....	...	5,379	...	...	5,499
2. Containers and other packaging materials and supplies used					58
3. Operating, maintenance and repair supplies used (excluding fuel)					256
4. Amount paid out to others for work done on materials owned by establishments					71
Totals .....	...	9,915	...	...	11,112

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$1,601,995 in 1964 and \$1,328,374 in 1965.

TABLE 13. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	1964		1965	
	Quantity	Value	Quantity	Value
	number	\$'000	number	\$'000
1. Products:				
Canoes	4,853	706	6,268	845
Row boats, skiffs, dories, etc.	2,656	251	2,712	313
Sailboats, including sail fishing boats	4,220	3,025	6,631	3,885
Outboard boats, including hulls:				
Aluminum	2,365	953	4,579	922
Reinforced plastic	6,689	3,553	8,512	5,107
Wood	3,601	2,104	1	1
Other	75	18	—	—
Motor boats, including motor fishing boats	600	5,094	635	4,966
Life boats and whale boats	48	60	1	1
Other boats	279	987	3,401	3,629
Oars and paddles	52,101	145	55,118	140
Marine and fishermen's supplies .....	...	173	...	255
Amount received for repairs of all kinds (at the plant) .....	...	3,037	...	3,205
Amount received for boat livery and storage .....	...	130	...	159
Amount received for all other work or services (at the plant) .....	...	—	...	121
All other products .....	...	946	...	1,091
2. Amount received in payment for work done on materials and products owned by others .....	...	54	...	100
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(112)	...	(106)
Net adjustment for establishments receiving progress payments .....	...	—	...	—
Total adjusted value of shipments and work done .....	...	21,125	...	24,630

¹ Included with "Other boats".

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1964 and 1965
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Description	1964		1965	
	Quantity	Value	Quantity	Value
	number	\$'000	number	\$'000
Canoes	6,117	829	8,260	1,042
Rowboats, skiffs, dories, etc.	2,737	256	2,810	320
Sailboats:				
Without auxiliary power	4,820	33,145	{ 6,466 165	2,412
With auxiliary power				1,473
Outboard boats, including hulls:				
Aluminum	10,669	2,577	12,540	2,626
Reinforced plastic	8,761	5,067	10,141	6,289
Wood	3,651	2,129	2,789	1,708
Other	90	28	-	-
Commercial motor boats, including motor fishing boats	614	5,217	{ 754 183	2,815
Cruisers and yachts				2,321
Lifeboats and whaleboats	48	60	60	171
Other boats .....	...	1,027	...	1,780
Totals .....	...	20,335	...	22,937

List of Establishments classified to this Industry, 1965

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
Newfoundland:	
Grandy, R. & L. Ltd.	Port of St. John's
Prince Edward Island:	
Alberton Industries Ltd.	Alberton
Bell, Nelson	White Sands
Derby, William F.	White Sands
Doucette, John A.	St. Louis
Ellis, John C.	West Point O'Leary
Hutt Bros.	Alberton
Nova Scotia:	
Allen, W. Lawrence	Lunenburg
Atkinson, Ernest	Clarks Harbour
Atkinson, Herbert A. & Son	Clarks Harbour
Barkhouse, John H.	Chester
Belliveau, Philip J.	Belliveau Cove
Bluewater Boats	De Bale's Cove
Boudreau Brothers	Mavillette
Boudreau, George-Edward	Upper Wedgeport
Cottreau, Andrew C. & Sons	Lower Wedgeport
Covey's Boat Building & Repairs	Hackett's Cove
Cox, Harley S. & Sons Ltd.	Shelburne
D'entremont, Delisle C.	Lower West Pubnico
D'entremont, Harold A.	Middle West Pubnico
D'entremont, Lucien U.	Lower West Pubnico
D'Eon, Camille	Middle West Pubnico
DesChamp & Jackson	Shelburne
Deveau, John	Mavillette
Deveau, Joseph M. & Sons	Salmon River
Doucet, Roy	Cape St. Mary
Doucette, Herman	Cape St. Mary
Fraser & Chiasson	Cheticamp
Frost, O.C. & Son	Port Maitland
Gray, Brenton, Boat Yard	Sambro
Greenwood, Joseph	Shag Harbour
Heisler, Clarence R.	Indian Point
Hutt, Norman	Owl's Head Harbour
Industrial Shipping Co. Ltd.	Mahone Bay
Langille, Isaac	R.R. No. 2, Mahone Bay
Larkin & Shand	Shag Harbour
Leblanc, Joseph B.	Church Point
MacAlpine, Kenneth & Son Ltd.	Shelburne
Marriotts Cove Yacht Builder	Marriott's Cove
McVay Fiberglass Yachts Ltd.	Mahone Bay
Newell, Austin D.	Yarmouth
Nickerson, J.H.	Central Wood's Harbour
Pothier, R.H.	Yarmouth
Robar, Wm. Warren	Upper LaHave

List of Establishments classified to this Industry, 1965 - Continued

Name	Location
Nova Scotia - Concluded:	
Sangster, Harry L.	New Harbour East
Smith's Boat Builders	Clark's Harbour
Stevens, Gerald Lawson	Chester
Stright-MacKay Ltd.	Copper Crown Point
Swaine, George R.	North West Harbour
Therhault, Fred	Belliveau Cove
Wyman, Charles Ltd.	Shelburne
New Brunswick:	
Briggs, Rob.	Bayfield
Chestnut Canoe Co. Ltd.	Fredericton
Downing, Andrew	Shemogue
Duguay, Adolphe	Comeau Point
Fletcher, Clayton	Wilson's Beach
Robichaud, Richard	Shippigan
St. Simon Construction Ltd.	St. Simon Centre
Quebec:	
Aluminum Boats & Canoes Inc.	Princeville
Cadorette, Moise Inc.	St-Jean des Piles
Canots Cadorette Canoes Inc.	Grand'Mère
Canots Tremblay Enr., Les	St-Félicien
Chaloupes Verchères Enr.	Verchères
Chantiers Maritimes Charlevoix Ltée	St-Joseph de la Rive
Claude Marine Repairs	2089 St. Joseph St., Lachine
Dansereau, Noel	Contrecoeur-de-Verchères
Desmarais, E.	Verchères
Desmarais, T. & Fils, Enr.	Verchères
GrosLouis, G. & C. Enr.	Village Huron
Hansen E., Boat Repair	Pincourt
Lachance, F.X.	St-Laurent, Ile d'Orléans
Laliberté & Frère	Sillery
Langer, Robert	3011 St. Joseph Blvd., Lachine
Langevin, Julien	Verchères
Les Canots Norwest Canoe	Lesage
Les Industries d'Auteuil Enr.	Ville d'Auteuil
Northcraft Industries Ltd.	2190 Johnson St., St. Laurent
Nu-Craft Enr.	St-Hermas
Picard, Louis Ad.	Village Huron, Loretteville
Pigeon, Arthur & Fils	11921 Bellevois, Montreal-N.
Racine, Willy	St-Michel-des-Saints, Co. Berthier
St. Maurice Canots Enr.	Shawinigan
Trois-Rivières Yachtworks	Trois-Rivières
Tru-Craft Ltd.	St-André-Est
Wolfgang Boating & Yachting Service Reg'd	Ile Perrot
Ontario:	
Abbott Boat Works	1458 London Rd., Samia
Ahorn Products Ltd.	Tilbury
Andress, W.E. & Son	Rockport
Baycrest Boats & Marina	Demorestville
Blue Star Marine Enterprises	38 Milne Ave., Scarborough
Bolton Marine Ltd.	Bolton
Brooks, Guilford & Son	Huntsville
Chris-Craft of Canada Ltd.	703 Douro St., Stratford
Clarkcraft Industries Ltd.	425 Glendale Ave; St. Catharines
Cliffe Craft Co.	R.R. No. 2, Lansdowne
Cockburn, John A.	Pembroke
Coleman Craft Ltd. The	Galt
Corecraft Boat Co. Ltd.	Rainy River
Credit River Boat Co.	Norval
Custom Boat Co.	R.R. No. 4, Kitchener
Custom Craft Marine (Canada) Ltd.	Rockland
Delaney Boat Lines & Services Ltd.	Barrie
Douglas Marine Craft	Dorchester
Duke Boats Ltd.	Port Carling
Ferris, Clarence W.	St. Williams
Fontaine Boats	Georgina, York Co.
Georgian Steel Boats Ltd.	Niagara-on-the-Lake
Giesler, B. & Sons Ltd.	Powasson
Grampian Marine Ltd.	Oakville
Greenhill Manufacturing	Brampton
Grew Limited	Penetanguishene
Harber Mfg. Ltd.	Fort Erie
Harris Boat Works	Gores Landing
Henry Boats	Lakeside Park, St. Catharines
Hilcraft Boats	Warton
Hinterhoeller Limited	Niagara-on-the-Lake
Humber Boat Ltd.	131 Wendal Ave., Weston
Hunter Boats Ltd.	Orillia
Hurley's Boat Bldg. & Welding Service	Port Burwell
Kalbfleisch Boat Works	Warton
Ken-O-Kee Fibre Glass Products Ltd.	Kewatin
Koma-Boats	Komoka
Langford Marine	R.R. No. 1, Baysville
McGruer, E.F. & Co. Ltd.	2505 Third Ave. W., Owen Sound
Mason Boats Ltd.	Smiths Falls
Morris Boat Works	600 Wentworth St. N., Hamilton

List of Establishments classified to this Industry, 1965 - Continued

Name	Location
Ontario - Concluded:	
Nassau Steel Cruiser & Structural Steel Works	Stouffville
Neilsen, Fulmer, Boat Works Ltd.	Honey Harbour
Niemi Boat Works	169 McDougall St., Port Arthur
Neilsen, Einar & Co.	Point Aylmer, Lake of the Woods
Nippising Boat Co. Ltd.	North Bay
Noble, G.W.	Thornbury
Norse Boat Co.	Penetanguishene
Northland Marina	Orillia
Ontario Yachts	Oakville
Outboard Marine Corp. of Can. Ltd.	Trenton
Peel, Marine Service	Lakefield
Plastic Service	Oliver Rd., Port Arthur
Reid's Marine Limited	Pointe au Baril
Rice Lake Boat Works	Gores Landing
Richardson, Cliff Boats Ltd.	Meaford
Rilco Industries Ltd.	Lakefield
Riverside Harbour Marina	Riverside
Roberts-Ross Industries Ltd.	Orillia
Sailfish Sportcraft Ltd.	Richmond Hill
Scott Plastics	New Liskeard
Shepherd Boats Ltd.	Niagara-on-the-Lake
Sims, Richard	1225 Lakeshore Blvd. W., Toronto
Sound Boat Works	Parry Sound
South Wind Sailcraft Ltd.	100 Penn Drive, Weston
Sportspal Enterprises	North Bay
Taylor, J.J. & Sons Ltd.	2 Stadium Rd., Toronto
Traveller Mfg. Co. Ltd.	753 Lansdowne St. W., Peterborough
Whitby Boat Works Ltd.	570 Finley Ave., Ajax
Wilker Boats Ltd.	Hyde Park
Manitoba:	
Anchor Industries Ltd.	Brandon
Aroline Boat Co. Ltd. The	26 Archibald St., St. Boniface
Lake Winnipeg Boat Works	Gimli
Riverton Boat Works Ltd.	Riverton
Simpson, Geo. D. Mfg. Co. Ltd.	772 Dufferin Ave., Winnipeg
Watson Marine Ltd.	Midway
Saskatchewan:	
Lane Industries	225 22nd St. E., Saskatoon
Alberta:	
Booth & Son (Boats) Ltd.	11825-145th St., Edmonton
Small Craft of Canada Ltd.	3839 Burnsland Rd., Calgary
British Columbia:	
A & B Boat Repairs	Ft. Broughton St., Vancouver
Admiral Shipyard Ltd.	Hammond
Albion Boat Works	R.R. # 1, Haney
Alfab Alloy Fabrications	Joco
Anderson Marine Ways	Sointula
Anderson's Advance Plastics	North Surrey
Art Craft Boat Works	Burnaby
Asher Marina Ltd.	Ft. Broughton St., Vancouver
Atagi Boat Works	610 Dyke Rd., Richmond
B.C. Fibre Glass Co. Ltd.	1621 Railway Ave., North Vancouver
Bel-Aire Shipyard Ltd.	Foot of Cardero St., Vancouver
Bell, Ralph Shipyards Ltd.	Albert Bay
Berryman & Wallace	1146 Corteli Rd., North Vancouver
Bisset L.	1460 Front St., North Vancouver
Calgan Marine Ltd.	520 Mountain Hwy., North Vancouver
Cape Lazo Boat Yards Ltd.	Courtenay
Caper-Craft Boat Works	8525 Beatrice St., Vancouver
Chappell's Boat Works Ltd.	899 River Rd., Richmond
Clark Bros. Boat Works Ltd.	R.R. # 1, Sidney
Davidson Mfg. Co. Ltd.	1872 W. Georgia St., Vancouver
Deltaga Boat Works	9317 River Rd., New Westminster
Dewar Boat Works	North Surrey
El-Kay Plastics	1594 Rowan St., Victoria
Elia Boat Works	8805 Selkirk St., Vancouver
Enno's Custom Boats Ltd.	Ft. of Rogers, North Vancouver
Grenfell Yachts	1615 West 2nd Ave., Vancouver
Harris Built Products Ltd.	Lantzville
Hilmarine Boat Works	525 Head St., Victoria
Houreston Glascraft Ltd.	1389 Main St., North Vancouver
Howie's Boat Works & Marina Service Ltd.	Prince George
K & C Thermoglass Ltd.	894 River Drive, Richmond
Kanata Marine Ways Ltd.	Ft. of Broughton St., Vancouver
Karsen Boat Works	Burrard Yacht Club, Vancouver
Kencraft Plastics	Port Coquitlam
Kishi Boat Works	Steveston
Laminate Engineering	400 Ewen Ave., New West Westminster
Leclerc & Collins Shipyard Ltd.	Port Coquitlam
M & M Boat Works	Steveston
M.Y. Marine Specialties Co. Ltd.	1830 West Georgia St., Vancouver

List of Establishments classified to this Industry, 1965 - Concluded

Name	Location
British Columbia - Concluded:	
Mac & Mac Mfg. Ltd.	445 West 6th Ave., Vancouver
Maple Bay Marine & Shipyards Ltd.	R.R. # 1, Duncan
Matsumoto Shipyards Ltd.	3829 Dollarton Hwy., North Vancouver
McLean's Shipyards Ltd.	Prince Rupert
Menchions, W.R. & Co. Ltd.	650 Cardero St., Vancouver
Nakade Boat Works	609 Dyke Rd., Richmond
North Arm Boat Works	91 Off Jardine St., New Westminster
Oak Bay Boat Works Ltd.	1327 Beach Drive, Victoria
Ohman Boat Works Ltd.	Fl. of Jardine St., New Westminster
Osborne Shipyard Ltd.	1475 Front St., North Vancouver
Pearson, Ron Boatbuilding	Delta
Penwood Products	Penticton
Petersen's Star Boats Ltd.	1460 Venables St., Vancouver
Philbrook's Shipyards	Sidney
Port Hammond Boat Yard	Port Hammond
Prince Rupert Boat Yard Ltd.	Prince Rupert
Qualicum Beach Boat Works	Qualicum Beach
Rabeneck Brothers	Nanaimo
Rae, Marshal	Madeira Park
Remmen Boat Works	North Surrey
Rook, P. Boat Works	691 E. St. James St., North Vancouver
Sangstercraft Boat Works Ltd.	1739 West Georgia St., Vancouver
Sather Boat Works	101 Jardine St., New Westminster
Shelter Point Plastics	R.R. # 1, Campbell River
Sidney Boat Works	Sidney
Solvey Plastics	Chilliwack
Spencer Boats Ltd.	1347 Mitchell Rd., Vancouver
Sportcraft Plastics Ltd.	Port Coquitlam
Stokkland, O.P. Boat Yard	North Delta
Stoltz Boat & Glasscraft	Steveston
Sturdi-Craft Boats Ltd.	1959 West Georgia St., Vancouver
Tammi's Boat Shop	Malcolm Island
Taylor, J.T.	1850 Kent St., Vancouver
Thames Boat Works	Bowser
Van's Steel Fabricators Ltd.	1868 Kent St., Vancouver
Wahl Boatyard Ltd.	Prince Rupert
Wick Bros. Boats Works	Prince Rupert
Wick Boat Works	1810 Kent St., Vancouver
Withey's Shipyard Ltd.	Garbiola Island

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 55 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 135 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures; (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the reports reflect the complete implementation of these changes and enable comparisons to be made back to and including 1961. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour

force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

Head Offices and Auxiliary Units

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the firm, when all establishments are in the same industry (3 or 4 digit). When establishments of

such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

Employees

(a) Production and related workers — Manufacturing activities

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. For those establishments reporting on the "long" form, production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. In the case of those establishments reporting on the "short" form, respondents are requested to report average annual figures. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). Data on man-hours are not collected from establishments reporting on the short form. Man-hours for these establishments are estimated on the basis of ratios derived from the 1958 census. During this census all establishments reported on the long form. In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

(b) Production and related workers — Non-manufacturing activities

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.

(c) Administrative and office employees

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers, etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

(d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

(e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

Working Owners or Partners

These are not now included in the statistics of employees and salaries and wages. There is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each Census return. Withdrawals of working owners are defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

Salaries and Wages

Salaries and wages refer to gross earnings of employees **before** deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages,

bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives, etc.), not to purchases unless the quantities are substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid down cost at the establishment including freight, duty, etc. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

Materials and Supplies

(a) Manufacturing activities

Figures represent quantities and laid down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. These statistics represent only commodity items or physical goods (cost of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

(b) Non-manufacturing activities

1. Purchases for re-sale as such

Figures represent cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

2. Other materials and supplies used

Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Amounts paid to outside contractors for construction and repair work are not included nor is the cost of

purchased machinery and equipment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

Shipments

(a) General

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. The unsold portion at year end of consignment shipments in Canada is treated as inventory and not as shipments but all shipments to foreign countries for which the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

(b) Shipments of goods of own manufacture

These figures represent shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost (book value) of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm, when such units are treated as separate establishments. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity

are collected by means of the Commodity questionnaire referred to earlier. Such shipments together with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

(c) Shipments of goods not of own manufacture

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

(d) Other revenue

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's own products, sale of used materials (excluding sale of used fixed assets) research and development work, etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

Inventories

(a) Manufacturing activities

Values represent the book values of manufacturing inventory owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained, the change in these accounts is treated as a net adjustment to shipments. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the

receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

(b) Non-manufacturing activities

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of manufacturing materials, supplies, etc. and fuel and electricity consumed from the (value of shipments of goods of own manufacture adjusted for changes in the value of inventories of finished goods and goods in process).

(b) By non-manufacturing activities

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories of goods pur-

chased for re-sale) and the cost of non-manufacturing materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

(c) By Total activities

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "Value added" is sometimes referred to as net output or net production. However, to arrive at the National Accounts concept of net production, or Gross Domestic Product at "Factor cost" it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected as part of the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, "Survey of Production".

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