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# BOATBUILDING AND REPAIR

1964

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## BOATBUILDING AND REPAIR

1964

The number of establishments included in this report increased by 1 from 241 to 242, however it should be noted that the real change involved the addition of 40 new firms and the deletion of 39 firms that were transferred to other surveys because of the nature of their major activity.

Total employment increased by 154 persons and total salaries and wages increased by \$950,000. The number of production employees increased by 8.5% and the total wages paid to this group increased by 12.5%. Production employees accounted for 84% of total employees.

The value of materials used in production of goods of own manufacture increased by \$553,000 or 6% and the value of shipments of goods of own manufacture increased by \$1,460,000 or 7.5%. During the same period Goods in Process inventories increased by \$464,000 and Finished Goods inventories by \$415,000.

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. The total value of boats shipped during 1964 increased by \$1,392,000 over 1963 shipments.

### 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.

r revised figures.

x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Principal Statistics, 1961-64

Year and province	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	
1961													
Totals .....	223	1,038	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													
Newfoundland .....	1	x	x	x	x	x	x	x	x	x	x	x	x
Prince Edward Island .....	4	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia .....	45	171	347	465	30	985	2,064	1,075	49	120	163	515	1,074
New Brunswick .....	5	x	x	x	x	x	x	x	x	x	x	x	x
Quebec .....	28	176	381	554	23	1,016	2,719	1,796	25	68	217	703	1,862
Ontario .....	65	520	1,127	1,821	105	3,929	7,646	3,575	52	144	626	2,273	3,790
Manitoba .....	9	65	156	229	18	531	898	367	6	17	79	278	393
Saskatchewan .....	1	369	727	1,509	57	2,438	5,091	2,807	62	196	436	1,778	2,902
Alberta .....	2												
British Columbia .....	81												
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
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

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1963 and 1964

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	
1963													
Under \$10,000	46	6	11	13	7	105	281	181	53	93	6	13	181
\$ 10,000 to \$ 24,999	72	112	211	313	28	501	1,180	739	69	195	132	364	757
25,000 " 49,999	51	173	347	534	29	764	1,753	982	43	143	198	598	1,025
50,000 " 99,999	25	139	286	501	21	740	1,704	962	25	83	155	560	1,008
100,000 " 199,999	22	211	453	820	31	1,399	3,075	1,682	7	22	258	1,004	1,742
200,000 " 499,999	17	355	757	1,305	64	2,644	5,107	2,731	3	21	423	1,618	2,853
500,000 " 999,999	8	399	906	1,407	69	3,209	6,553	3,226	—	—	482	1,784	3,359
1,000,000 " 4,999,999													
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	241	1,395	2,972	4,892	249	9,362	19,655	10,502	200	556	1,654	5,941	10,924
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

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1963 and 1964

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	
1963													
Under \$10,000	92	58	109	155	21	427	978	548	105	227	65	170	570
\$ 10,000 to \$ 24,999	69	181	358	543	37	893	1,942	1,106	55	187	214	826	1,123
25,000 " 49,999	32	180	370	631	23	895	1,981	1,095	31	104	198	697	1,150
50,000 " 99,999	20	184	391	684	33	1,181	2,605	1,362	6	17	231	852	1,444
100,000 " 199,999	18	354	762	1,375	60	2,552	4,895	2,600	3	21	415	1,681	2,717
200,000 " 499,999	10	438	982	1,504	74	3,414	7,254	3,791	—	—	531	1,915	3,920
500,000 " 999,999													
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	241	1,395	2,972	4,892	249	9,362	19,655	10,502	200	556	1,654	5,941	10,924
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	1,376	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	1,444	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



TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1963 and 1964

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	
<b>1963</b>													
Under \$10,000	91	56	105	148	20	401	950	546	102	218	63	162	549
\$ 10,000 to \$ 24,999	71	186	370	562	39	932	2,014	1,137	56	191	220	647	1,162
25,000 " 49,999	29	161	326	548	20	862	1,838	989	33	109	174	594	1,016
50,000 " 99,999	22	200	426	756	35	1,200	2,704	1,439	6	17	251	942	1,559
100,000 " 199,999	16	334	715	1,277	55	2,305	4,283	2,234	1	5	386	1,544	2,246
200,000 " 499,999	12	458	1,029	1,602	80	3,660	7,865	4,157	2	16	560	2,053	4,392
500,000 " 999,999													
1,000,000 " 4,999,999													
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>241</b>	<b>1,395</b>	<b>2,972</b>	<b>4,892</b>	<b>249</b>	<b>9,362</b>	<b>19,655</b>	<b>10,502</b>	<b>200</b>	<b>556</b>	<b>1,654</b>	<b>5,941</b>	<b>10,924</b>
<b>1964</b>													
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	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>242</b>	<b>1,513</b>	<b>3,190</b>	<b>5,511</b>	<b>274</b>	<b>9,915</b>	<b>21,125</b>	<b>11,816</b>	<b>199</b>	<b>579</b>	<b>1,808</b>	<b>6,891</b>	<b>12,174</b>

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1963 and 1964

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	
<b>1963</b>													
Under 5 employed	145	157	308	469	45	1,174	2,623	1,483	148	379	180	526	1,493
5 - 14 employed	64	383	790	1,297	57	1,918	4,304	2,391	49	157	446	1,511	2,507
15 - 49 " "	26	533	1,135	1,977	91	4,061	7,919	3,961	3	21	638	2,472	4,249
50 - 99 " "	6	322	738	1,149	55	2,208	4,808	2,667	-	-	390	1,432	2,675
100-199 " "	-	-	-	-	-	-	-	-	-	-	-	-	-
200-499 " "	-	-	-	-	-	-	-	-	-	-	-	-	-
500 employed and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>241</b>	<b>1,395</b>	<b>2,972</b>	<b>4,892</b>	<b>249</b>	<b>9,362</b>	<b>19,655</b>	<b>10,502</b>	<b>200</b>	<b>556</b>	<b>1,654</b>	<b>5,941</b>	<b>10,924</b>
<b>1964</b>													
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	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>242</b>	<b>1,513</b>	<b>3,190</b>	<b>5,511</b>	<b>274</b>	<b>9,915</b>	<b>21,125</b>	<b>11,816</b>	<b>199</b>	<b>579</b>	<b>1,808</b>	<b>6,891</b>	<b>12,174</b>

TABLE 6. Principal Statistics classified by Type of Organization, 1963 and 1964

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	
1963													
Individual ownerships .....	117	220	444	700	39	1,291	2,751	1,492	117	319	224	707	1,497
Partnerships .....	39	90	183	310	21	780	1,666	912	83	237	96	326	1,019
Incorporated companies .....	85	1,085	2,344	3,882	189	7,291	15,238	8,098	...	...	1,334	4,909	8,408
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	241	1,395	2,972	4,892	249	9,362	19,655	10,502	200	556	1,654	5,941	10,924
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

TABLE 7. Calculation of Output, Input and Value Added, 1963 and 1964

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1963	1964	1963	1964	1963	1964
\$'000						
Output						
1. Shipments and other revenue .....	19,655	21,125	1,022	1,527	20,677	22,652
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	1,324	1,768	...	...	1,324	1,768
Finished goods .....	1,690	1,716	...	...	1,690	1,716
Deduct opening—Goods in process .....	1,292	1,304	...	...	1,292	1,304
Finished goods .....	1,265	1,301	...	...	1,265	1,301
2. Net inventory change .....	457	879	...	...	457	879
3. Gross output (1 + 2) .....	20,112	22,004	1,022	1,527	21,134	23,531
Input						
4. Purchases of goods not of own manufacture .....	...	...	613	939	613	939
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	228	337	228	337
Deduct closing .....	...	...	327	207	327	207
5. Cost of goods sold (not of own manufacture) .....	...	...	514	1,069	514	1,069
6. Materials, supplies, etc. ....	9,362	9,915	86	100	9,448	10,015
7. Fuel and electricity .....	249	274	...	...	249	274
8. Gross input (5 + 6 + 7) .....	9,611	10,189	600	1,169	10,211	11,358
Value added (3 - 8) .....	10,502	11,816	422	358	10,924	12,174



TABLE 8. Employment and Payroll, 1963 and 1964

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 distrib- ution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female					
	number										\$'000				
1963															
Newfoundland	x	—	—	—	x	x	x	x	x	x	x	—	x	x	x
Prince Edward Island	x	—	—	—	x	x	x	x	x	x	x	—	x	x	x
Nova Scotia	170	1	—	—	11	1	—	—	181	2	465	—	50	—	515
New Brunswick	x	—	—	—	x	x	x	x	x	x	x	—	x	x	x
Quebec	174	2	1	—	17	10	11	2	203	14	554	1	93	55	703
Ontario	501	19	—	—	61	32	12	1	574	52	1,821	—	364	88	2,273
Manitoba	65	—	3	—	7	3	1	—	76	3	229	4	34	11	278
Saskatchewan	4	1	—	—	2	1	—	—	6	2	14	—	8	—	22
Alberta	8	—	—	—	1	1	—	—	9	1	30	—	3	—	33
British Columbia	352	4	—	—	39	16	6	1	397	21	1,464	—	223	35	1,723
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	1,368	27	4	—	145	67	36	7	1,553	101	4,892	5	827	217	5,941
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

TABLE 9. Production and Related Workers, — Manufacturing Activity, 1963 and 1964

Month	1963		1964	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January .....	1,158	35	1,219	25
February .....	1,243	37	1,274	44
March .....	1,337	41	1,348	53
April .....	1,385	43	1,389	58
May .....	1,372	24	1,415	59
June .....	1,281	18	1,311	32
July .....	1,126	19	1,207	28
August .....	997	21	1,075	30
September .....	980	17	1,049	28
October .....	1,034	15	1,075	28
November .....	1,073	16	1,083	30
December .....	1,089	21	1,130	35
Averages .....	1,171	27	1,217	39
Establishments reporting annual averages (small establishments only) .....	197	—	257	—
Average for all establishments .....	1,368	27	1,474	39

TABLE 10. Inventories, 1964

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	x
Prince Edward Island	x	x	x	x	x	x
Nova Scotia	133	78	49	261	—	261
New Brunswick	x	x	x	x	x	x
Quebec	388	46	435	869	84	953
Ontario	844	730	517	2,091	133	2,225
Manitoba	70	26	42	138	—	138
Saskatchewan	x	x	x	x	x	x
Alberta	20	11	32	63	4	67
British Columbia	304	335	105	744	79	823
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	1,892	1,304	1,301	4,497	337	4,835
Closing:						
Newfoundland	x	—	—	x	x	x
Prince Edward Island	x	x	x	x	x	x
Nova Scotia	181	223	29	434	—	434
New Brunswick	x	x	x	x	x	x
Quebec	438	63	629	1,130	77	1,208
Ontario	876	949	628	2,453	68	2,521
Manitoba	60	42	39	141	2	143
Saskatchewan	x	x	x	x	x	x
Alberta	40	17	44	101	3	103
British Columbia	376	390	153	918	51	969
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	2,121	1,768	1,716	5,605	207	5,812

TABLE 11. Purchased Fuel and Electricity Used in Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton 600	8	236	3
(b) Imported	" 8	—	10	—
Sub-bituminous coal (from Alberta mines only)	" —	—	—	—
Anthracite coal	" 6	—	—	—
Lignite coal	" 18	—	22	—
Coke	" —	—	23	—
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 127,580	48	135,173	56
Fuel oil including kerosene or coal oil	" 274,764	39	301,998	44
Wood	cord 428	6	465	5
Gas:				
(a) Liquefied petroleum gases	Imp. gal. 12,804	3	8,434	2
(b) Other manufactured gas	M cu. ft. —	—	—	—
(c) Natural gas	" 26,510	22	35,960	34
Other fuel	... —	—	...	—
Electricity purchased	kwh. 4,016,528	81	4,432,894	79
Steam purchased	... —	—	...	—
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity	... —	41	...	50
3. All establishments:				
Total fuel and electricity used	... —	249	...	274

TABLE 12. Materials and Supplies - Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Lumber (rough or planed), softwood (pine, spruce, etc.) .....	M. bd. ft. 3,522	451	3,154	433
Lumber (rough or planed), hardwood (birch, oak, basswood, etc.) .....	" 1,973	395	1,685	438
Veneer .....	M. sq. ft. 942	62	563	34
Plywood .....	" 1,219	257	1,424	350
Steel, hot or cold rolled:				
Bats .....	ton 231	39	453	60
Sheets (thinner than 3/16 in.):				
Plain .....	" 172	44	238	59
Galvanized .....	" 35	8	16	4
Other iron and steel .....	...	118	...	388
Non-ferrous metal in all forms (including scrap):				
Aluminum:				
Castings .....	lb. 93,004	53	126,533	82
Sheet .....	670,286	392	829,052	460
Other forms .....	200,149	160	75,647	49
Brass and bronze .....	61,017	51	385,093	295
Other non-ferrous metals .....	..	48	..	44
Other materials and supplies:				
Fibreglass .....	...	672	...	776
Paints and varnishes .....	...	221	...	204
Synthetic resin (alkyd polyester type) .....	...	372	...	448
All other materials and components used <sup>1</sup> .....	...	5,680	...	5,379
2. Containers and other packaging materials and supplies used .....	...	44	...	62
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	236	...	233
4. Amount paid out to others for work done on materials owned by establishments .....	...	58	...	116
Total .....	...	9,362	...	9,915

<sup>1</sup> No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$1,163,908 in 1963 and \$1,601,995 in 1964.

TABLE 13. Shipments of Goods of Own Manufacture, 1963 and 1964

Description	1963		1964	
	Quantity	Value	Quantity	Value
	number	\$'000	number	\$'000
1. Products:				
Canoes .....	4,043	591	4,853	706
Row boats, skiffs, dories, etc. ....	3,951	482	2,656	251
Sailboats, including sail fishing boats .....	1,210	2,098	4,220	3,025
Outboard boats, including hulls:				
Aluminum .....	3,807	1,040	2,365	953
Reinforced plastic .....	5,441	3,104	6,689	3,553
Wood .....	4,782	2,299	3,601	2,104
Other .....	61	18	75	18
Motor boats, including motor fishing boats .....	587	4,336	600	5,094
Life boats and whale boats .....	30	36	48	60
Other boats .....	146	1,068	279	987
Oars and paddles .....	35,269	94	52,101	145
Marine and fishermen's supplies .....	...	358	...	173
Amount received for repairs of all kinds (at the plant) .....	...	2,225	...	3,037
Amount received for boat livery and storage .....	...	165	...	130
All other products .....	...	1,236	...	946
2. Amount received in payment for work done on materials and products owned by others .....	...	233	...	54
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(32)	...	(112)
Net adjustment for establishments receiving progress payments .....	...	304	...	-
Total adjusted value of shipments and work done .....	...	19,655	...	21,125

**TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1963 and 1964**

(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Description	1963		1964	
	Quantity	Value	Quantity	Value
	number	\$'000	number	\$'000
Canoes .....	4,959	671	6,117	829
Rowboats, skiffs, dories, etc. ....	3,951	482	2,737	256
Sailboats, inc. sail fishing boats .....	1,810	2,218	4,820	3,145
Outboard boats, including hulls:				
Aluminum .....	10,781	2,456	10,669	2,577
Reinforced plastic .....	7,856	5,055	8,761	5,067
Wood .....	4,832	2,324	3,651	2,129
Other .....	61	18	90	28
Motorboats, including motor fishing boats .....	615	4,501	614	5,217
Lifeboats and whaleboats .....	30	36	48	60
Other boats .....	154	1,182	...	1,027
<b>Totals</b> .....	<b>35,049</b>	<b>18,943</b>	<b>...</b>	<b>20,335</b>

**List of Establishments classified to This Industry, 1964**

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

Name	Location
<b>Newfoundland:</b>	
Grandy, R. & L. Ltd. ....	Fortune
<b>Prince Edward Island:</b>	
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
Hunt Bros. ....	Alberton
<b>Nova Scotia:</b>	
Allen, W. Lawrence .....	Lunenburg
Atkinson, Ernest .....	Centreville
Atkinson, Herbert A. & Son .....	Clarks Harbour
Barkhouse, John H. ....	Chester
Belliveau, Philip J. ....	Belliveau Cove
Boudreau Brothers .....	Mavillette
Boudreau, George Edward .....	Upper Wedgeport
Causeway Shipbuilding Ltd. ....	Point Tupper
Cottreau, Andrew C. & Sons .....	Lower Wedgeport
Covey's Boat Building & Repairs .....	Hackett's Cove
Cox, Harley S. & Sons Ltd. ....	Shelburne
D'entremont, Delisie 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 & Chlason .....	Cheticamp
Frost, O.C. & Son .....	Port Maitland
Gray, Brenton Boat Yard .....	Bald Rock
Greenwood, Joseph .....	Upper Shag Harbour
Heisler, Clarence R. ....	Indian Point
Hiltz, Alfred .....	Port Bickerton
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
Marden, Gerald E. ....	Lower Wood Harbour
Marriotts Cove Yacht Builder .....	Marriott's Cove
Mitchell, Alan .....	Chester
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, 1964 - Continued

Name	Location
<b>Nova Scotia - Concluded:</b>	
Sampson, B.D. ....	L'Ardoise
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
Therlault, Fred ....	Belliveau Cove
Wyman, Charles Ltd. ....	Shelburne
<b>New Brunswick:</b>	
Chestnut Canoe Co. Ltd. ....	Fredericton
Donelle, André ....	Shemogue
Duguay, Adolphe ....	Comeau Point
Fletcher, Clayton ....	Wilson's Beach
St. Simon Construction Ltd. ....	St. Simon Centre
<b>Quebec:</b>	
Aluminum Boats & Canoes Inc. ....	Princeville
Cadorette, Moise Inc. ....	St-Jean Des Piles
Canots Cadorette Canoes Inc. ....	Grand'Mère
Canots Tremblay Engr., Les ....	St-Félicien
Chaloupes Verchères Enr. ....	Verchères
Chantiers Maritimes Charlevoix Ltée ....	St-Joseph de la Rive
Chantiers Maritimes de St. Laurent (Quebec) Inc. ....	St. Laurent
Claude Marine Repairs ....	2089 St. Joseph, Lachine
Dansereau, Noel ....	Contrecoeur Co., Verchères
Desmarais, E. ....	Verchères
Desmarais, T. & Fils, Enr. ....	Verchères
Desrochers, Donat ....	Lantier
Gatlepy, Augustin ....	Lesage
Gros Louis, G. & C. Enr. ....	Village Huron
Lachance, F.X. ....	St-Laurent, Île d'Orléans
Laliberté & Frère ....	Sillery
Langevin, Julien ....	Verchères
Les Industries D'Auteuil Engr. ....	Ville D'Auteuil
Modern Boat Builders Reg'd. ....	Granby
Norcraft 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-Michels-Des-Saints. Co. Berthier
St. Maurice Canots Engr. ....	Shawinigan
Tanzercraft Ltd. ....	Pointe des Cascades
Trois-Rivières Yachtworks ....	Trois-Rivières
Tru-Craft Ltd. ....	St-André Est
<b>Ontario:</b>	
Abbott Boat Works ....	1458 London Rd., Sarnia
Andress, W.E. & Son ....	Rockport
Baycrest Boats & Marina ....	Demorestville
Blue Star Marine Enterprises ....	38 Milne Ave., Scarborough
Boat Repair Service ....	4 Elrose Ave., Weston
Brooks, Guilford & Son ....	Huntsville
Canadian Trimaram Co. Ltd. ....	Oakville
Centraplast of Canada Ltd. ....	22 Munham Gate, Scarborough
Cliffe Craft Co. ....	R.R. No. 2, Lansdowne
Cockburn, John A. ....	Pembroke
Coleman Craft Ltd. The ....	Galt
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
Duke Boats Ltd. ....	Port Carling
Ferris, Clarence W. ....	St. Williams
Foley's Boat Repair ....	Keene
Fontaine Boats ....	Georgina, York Co.
Georgian Steel Boats Ltd. ....	Niagara-on-the-Lake
Giesler, B. & Sons Ltd. ....	Powasson
Grampian Marine Ltd. ....	Oakville
Grew Limited ....	Penetanguishene
Harber Mfg. Ltd. ....	Port 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 Wendall Ave., Weston
Hunter Boats Ltd. ....	Orillia
Hurley's Boat Bldg. & Welding Service ....	Port Burwell
Ives, V.C. Plastics ....	R.R. No. 1, Port Perry
Kabfleich Boat Works ....	Warton
Ken-O-Kee Fibre Glass Products Ltd. ....	Keewatin
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, 1964 - Continued

Name	Location
<b>Ontario - Concluded:</b>	
Nassau Steel Cruiser & Structural Steel Works .....	Stouffville
Niemi Boat Works .....	169 McDougall St., Port Arthur
Nilsen, Einar & Co. ....	Point Aylmer, Lake of the Woods
Nippising Boat Co. Ltd. ....	North Bay
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
Rieger Fiberglass & Boats Ltd. ....	1078 Kipling Ave. N., Rexdale
Rilco Industries Ltd. ....	Lakefield
Roberts-Ross Industries Ltd. ....	Orillia
Sailfish Sportcraft Ltd. ....	Richmond Hill
Shepherd Boats Ltd. ....	Niagara-on-the-Lake
Sims, Richard .....	1225 Lakeshore Blvd. W., Toronto
Sound Boat Works .....	Parry Sound
Sportspal Enterprises .....	North Bay
Stewart's Steel Boats .....	Coldwater
Taylor, J.J. & Sons Ltd. ....	2 Stadium Rd., Toronto
Thornhill Marine .....	Willowdale
Traveller Mfg. Co. Ltd. ....	753 Lansdowne St. W., Peterborough
Water Holidays Ltd. ....	Brockville
Whitbay Boat Works Ltd. ....	570 Finlay Ave., Ajax
Wilker Boats Ltd. ....	Hyde Park
<b>Manitoba:</b>	
Aluma Way Boat (Mfg.) & Marine .....	Loi 46, West St. Paul
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. ....	Middlechurch
<b>Saskatchewan:</b>	
Lane Industries .....	225-29th St. E., Saskatoon
<b>Alberta:</b>	
Booth & Son (Boats) Ltd. ....	11825 - 145th St., Edmonton
C.R.S. Patent Industries Ltd. ....	1234 - 3rd. Ave. S., Lethbridge
Jet Boat Industries Ltd. ....	10103 - 80th Ave., Edmonton
Prairie Plastics (1963) Ltd. ....	Clareholm
<b>British Columbia:</b>	
Admiral Shipyard Ltd. ....	Hammond
Albion Boat Works .....	R.R. # 1, Haney
Alfab Alloy Fabrications .....	Ioco
Allen Boat Works .....	625 Denman St., Vancouver
Anderson Marine Ways .....	Sointula
Anderson's Advance Plastics .....	North Surrey
Art Craft Boat Works .....	Burnaby
Asher Marina Ltd. ....	Ft. Broughton St., Vancouver
Atagt 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
Brown, Lorne Boats Ltd. ....	272 East Esplanade, North Vancouver
Calgan Marine Ltd. ....	520 Mountain Hwy., North Vancouver
Canden Boat Builders .....	4 Huron St., Victoria
Cape Lazo Boat Yards Ltd. ....	Courtenay
Caper-Craft Boat Works .....	8525 Beatrice St., Vancouver
Chappell's Boat Works Ltd. ....	899 River Rd., Richmond
Chlne Boatyard .....	274 River Drive, 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
Ella Boat Works .....	8805 Selkirk St., Vancouver
Enno's Custom Boats Ltd. ....	Ft. of Rogers, North Vancouver
Grenfell Yachts .....	1615 West 2nd Ave., Vancouver
Hilmarine Boat Works .....	525 Head St., Victoria
Houston 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
Lamlate Engineering .....	400 Ewen Ave., New Westminster
Leclere & 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, 1964 - Concluded

Name	Location
<b>British Columbia - Concluded:</b>	
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.	Ft. of Jardine St., New Westminster
Osborne Shipyard Ltd.	1475 Front St., North Vancouver
Pearson, Ron Boatbuilding	Delta
Penwood Products	Penticton
Pleasure Craft Marine Service Ltd.	2537 Williams Ave., North Vancouver
Prince Rupert Boat Yard Ltd.	Prince Rupert
Progressive Plastics	Richmond
"Q" Cove Boat Works	Quathiaski Cove
Rabeneck Brothers	Nanaimo
Rae, Marshal	Madeira Park
Remmen Boat Works	North Surrey
Rook, P. Boat Works	691 E. St. James St., North Vancouver
Russell Marine Ltd.	Ucluelet
Sangstercraft Boat Works Ltd.	1739 West Georgia St., Vancouver
Sather Boat Works	101 Jardine St., New Westminster
Sather, Peder Boat Works	North Surrey
Shelter Point Plastics	R.R. # 1, Campbell River
Solvey Plastics	Chilliwack
Spencer Boats Ltd.	1347 Mitchell Rd., Vancouver
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
Vestad Boat Works	North Surrey
Wahl Boatyard Ltd.	Prince Rupert
West Van Boat Works	1413 Clyde Ave., West Vancouver
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 56 (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 140 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 various 1963 reports reflect the complete implementation of these changes and enable comparisons to be made with the years 1961 and 1962. 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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