

1963

CATALOGUE No.

42-205

ANNUAL



BOATBUILDING AND REPAIR

1963

ANNUAL CENSUS OF MANUFACTURES

Published by Authority of
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry Division

January 1966
6521-829

Price: 50 cents



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BOATBUILDING AND REPAIR

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Data presented in this report under the heading of Boatbuilding and Repair reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of industry statistics—see items “Standard Industrial Classification” and “Establishment” in the Explanatory Notes section of this report. 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.

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 A. Principal Statistics classified by Province, 1962 and 1963

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		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	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													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	3	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	43	153	288	368	25	554	1,413	886	49	109	167	399	885
New Brunswick	5	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	30	144	370	419	25	943	2,356	1,438	26	64	176	536	1,458
Ontario	71	474	955	1,449	108	3,216	5,782	2,866	72	186	563	1,856	2,962
Manitoba	9	31	55	91	10	160	382	213	8	16	35	101	223
Saskatchewan	1	305	580	1,225	56	1,737	4,182	2,437	62	183	373	1,498	2,543
Alberta	2												
British Columbia	78												
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
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	183	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

TABLE 1 B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1962 and 1963

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		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1962													
Under \$10,000.....	57	12	21	26	9	95	325	224	62	115	13	27	230
\$ 10,000 to \$ 24,999.....	78	85	152	208	30	384	1,211	791	95	233	95	226	816
25,000 " 49,999.....	43	153	328	453	21	584	1,578	988	45	130	178	533	1,019
50,000 " 99,999.....	26	172	348	591	29	790	1,910	1,147	12	46	201	685	1,186
100,000 " 199,999.....	22	247	488	878	43	1,212	2,942	1,735	5	23	310	1,140	1,843
200,000 " 499,999.....	11	296	542	916	68	1,806	2,854	1,400	3	21	342	1,110	1,429
500,000 " 999,999.....	5	243	570	799	38	2,124	4,294	2,197	—	—	295	1,057	2,189
1,000,000 " 4,999,999.....													
5,000,000 and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,208	2,450	3,870	236	6,996	15,113	8,482	222	568	1,434	4,779	8,711
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

TABLE 1 C. Principal Statistics classified by Size Groups based on Manufacturing Value Added, 1962 and 1963

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		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
1962	No.		'000			'000				'000		'000	
Under \$10,000.....	105	54	95	122	25	335	990	613	125	263	61	132	638
\$ 10,000 to \$ 24,999.....	57	122	250	345	24	515	1,428	913	62	163	138	397	941
25,000 " 49,999.....	36	188	383	582	26	904	2,159	1,221	26	96	223	683	1,237
50,000 " 99,999.....	27	338	682	1,131	58	1,821	3,604	1,858	7	30	413	1,443	1,983
100,000 " 199,999.....	11	224	416	785	56	1,222	2,361	1,453	2	16	258	945	1,498
200,000 " 499,999.....	6	282	624	905	46	2,197	4,571	2,423	—	—	341	1,179	2,413
500,000 " 999,999.....													
1,000,000 " 4,999,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals.....	242	1,208	2,450	3,870	236	6,996	15,113	8,482	222	568	1,434	4,779	8,711
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	626	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

TABLE 1 D. Principal Statistics classified by Size Groups based on Total Value Added, 1962 and 1963

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		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000.....	100	46	78	104	24	316	930	572	118	244	52	111	576
\$ 10,000 to \$ 24,999.....	61	123	250	341	26	524	1,454	930	67	176	140	397	970
25,000 " 49,999.....	37	195	399	604	26	914	2,193	1,245	28	101	230	705	1,269
50,000 " 99,999.....	25	297	595	999	55	1,690	3,341	1,683	7	30	363	1,277	1,771
100,000 " 199,999.....	12	255	475	865	57	1,262	2,359	1,446	—	—	296	1,052	1,510
200,000 " 499,999.....	7	292	651	956	49	2,288	4,836	2,605	2	16	353	1,238	2,614
500,000 " 999,999.....													
1,000,000 " 4,999,999.....													
5,000,000 and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	242	1,208	2,450	3,870	236	6,996	15,113	8,482	222	568	1,434	4,779	8,711
1963													
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	4,263	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.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	241	1,395	2,972	4,892	249	9,362	19,655	10,502	200	558	1,654	5,941	10,924

TABLE 1 E. Principal Statistics classified by Size Groups based on Total Employed, 1962 and 1963

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		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under 5 employed.....	150	121	230	327	45	763	2,157	1,348	166	383	141	378	1,384
5- 14 employed.....	64	375	765	1,255	58	1,710	4,285	2,520	55	179	437	1,480	2,647
15- 49 ".....	24	493	956	1,579	80	2,698	5,488	2,875	1	6	593	2,020	2,917
50- 99 ".....	4	219	499	709	53	1,825	3,183	1,739	—	—	263	901	1,763
100-199 ".....	—	—	—	—	—	—	—	—	—	—	—	—	—
200-499 ".....	—	—	—	—	—	—	—	—	—	—	—	—	—
500 employed and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	242	1,208	2,450	3,870	236	6,996	15,113	8,482	222	568	1,434	4,779	8,711
1963													
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.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	241	1,395	2,972	4,892	249	9,362	19,655	10,502	200	558	1,654	5,941	10,924

TABLE 1 F. Principal Statistics classified by Type of Organization, 1962 and 1963

Type of organization	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		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Individual ownerships	120	204	406	565	41	952	2,455	1,471	120	309	208	570	1,491
Partnerships	46	88	179	285	16	569	1,493	906	102	258	93	296	946
Incorporated companies	76	916	1,865	3,020	179	5,475	11,165	6,104	—	—	1,133	3,913	6,274
Cooperatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	242	1,208	2,450	3,870	236	8,996	15,113	8,482	222	568	1,434	4,779	8,711
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	3,662	189	7,291	15,238	8,098	—	—	1,334	4,909	8,408
Cooperatives	—	—	—	—	—	—	—	—	—	—	—	—	—
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

TABLE 2. Industry Output, Input and Value Added, 1962 and 1963

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1962	1963	1962	1963	1962	1963
	\$'000					
Output						
1. Shipments and other revenue	15,113	19,655	1,236	1,022	16,349	20,677
Inventories—Goods of own manufacture:						
Add closing—Goods in process	1,356	1,324	...	...	1,356	1,324
Finished goods	883	1,690	...	...	883	1,690
Less opening—Goods in process	839	1,292	...	...	839	1,292
Finished goods	800	1,265	...	...	800	1,265
2. Net inventory change	600	457	...	...	600	457
3. Gross output (1 + 2)	15,713	20,112	1,236	1,022	16,949	21,134
Input						
4. Purchases of goods not of own manufacture .....	...	...	914	613	914	613
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	187	228	187	228
Less closing .....	...	...	162	327	162	327
5. Costs of goods sold (not own manufacture) .....	...	...	939	514	939	514
6. Materials, supplies, components and semi-processed goods	6,996	9,362	69	86	7,065	9,448
7. Fuel and electricity	236	249	...	...	236	249
8. Gross input (5 + 6 + 7)	7,232	9,611	1,008	600	8,240	10,211
Census value added (3-8)	8,482	10,502	228	422	8,711	10,924

TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total employees		Production and related workers		Admin- istra- tive and office	Sales and distrib- ution	Total salaries and wages
	Manufacturing		Other								Manufac- turing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other					
1962	number										\$'000				
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	153	—	—	—	10	2	2	—	165	2	368	—	25	7	399
New Brunswick	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	144	—	—	—	16	6	8	2	168	8	418	—	78	40	536
Ontario	465	9	—	—	46	26	12	5	523	40	1,449	—	325	82	1,856
Manitoba	31	—	—	—	2	2	—	—	33	2	91	—	10	—	101
Saskatchewan	299	6	1	—	42	17	8	—	350	23	1,225	—	240	31	1,497
Alberta															
British Columbia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Yukon and Northwest Ter- ritories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	1,193	15	1	—	122	57	36	10	1,352	82	3,870	—	720	188	4,779
1963															
Newfoundland	x	x	x	x	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	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	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 Ter- ritories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	1,368	27	4	—	145	67	36	7	1,553	101	4,892	5	827	217	5,941

TABLE 3 A. Production and Related Workers,—Manufacturing Activity, by Months, 1962 and 1963

Month	Establishments reporting monthly detail			
	1962		1963	
	Male	Female	Male	Female
	number			
January	1,035	12	1,158	35
February	1,107	13	1,243	37
March	1,213	14	1,337	41
April	1,299	9	1,385	43
May	1,368	17	1,372	24
June	1,344	17	1,281	18
July	1,282	16	1,126	19
August	1,137	16	997	21
September	1,077	15	980	17
October	1,137	15	1,034	15
November	1,133	14	1,073	16
December	1,144	14	1,089	21
Average for establishments reporting monthly detail (collected only for large establish- ments)	988	14	1,171	27
Average for small establishments (only annual averages collected)	205	1	197	—
Average for all establishments	1,193	15	1,368	27

TABLE 4. Industry Inventories, 1963

Province	Manufacturing				Non-manufacturing	Total inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	x	x	x	x	x	x
Prince Edward Island	x	x	x	x	x	x
Nova Scotia	76	64	80	220	—	220
New Brunswick	x	x	x	x	x	x
Quebec	312	20	371	703	68	771
Ontario	650	942	446	2,038	76	2,114
Manitoba	42	18	67	127	1	128
Saskatchewan	299	190	206	695	67	762
Alberta						
British Columbia						
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	1,489	1,292	1,265	4,046	228	4,274
Closing:						
Newfoundland	x	x	x	x	x	x
Prince Edward Island	x	x	x	x	x	x
Nova Scotia	121	75	97	293	—	293
New Brunswick	x	x	x	x	x	x
Quebec	344	30	477	851	88	939
Ontario	750	683	668	2,101	138	2,239
Manitoba	67	24	79	170	—	170
Saskatchewan	383	343	263	989	64	1,053
Alberta						
British Columbia						
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	1,806	1,324	1,690	4,820	327	5,147

TABLE 5. Purchased Fuel and Electricity Used in Manufacturing Activity, 1962 and 1963

Description		1962		1963	
		Quantity	Cost	Quantity	Cost
			\$'000		\$'000
1. Large establishments which reported commodity detail:					
Bituminous coal:					
(a) From Canadian mines	ton	431	7	600	8
(b) Imported	"	—	—	8	—
Sub-bituminous coal (from Alberta mines only)	"	—	—	—	—
Anthracite coal	"	—	—	6	—
Lignite coal	"	—	—	18	—
Coke	"	—	—	—	—
Gasoline (including gasoline used in cars and trucks) ..	Imp. gal.	100,277	38	127,580	48
Fuel oil including kerosene or coal oil	"	215,079	35	274,764	39
Wood	cord	762	7	428	6
Gas:					
(a) Liquefied petroleum gases	Imp. gal.	4,913	1	12,804	3
(b) Other manufactured gas	M cu. ft.	—	—	—	—
(c) Natural gas	"	43,241	35	26,510	22
Other fuel		—	—	—	—
Electricity purchased	kwh.	3,196,188	64	4,016,528	81
Steam purchased		—	—	—	—
2. Estimate for small establishments:					
Fuel and electricity .....		...	47	...	41
3. All establishments:					
Total fuel and electricity used .....		...	236	...	249

TABLE 6. Materials and Supplies - Manufacturing Activity, 1962 and 1963

Description	1962		1963	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Materials used:				
Lumber (rough or planed), softwood (pine, spruce, etc.)	M. bd. ft. 2,765	352	3,522	451
Lumber (rough or planed), hardwood (birch, oak, basswood, etc.)	" 1,136	338	1,973	395
Veneer	M. sq. ft. 1,888	173	742	62
Plywood	" 950	200	1,219	257
Steel, hot or cold rolled:				
Bars	ton 90	18	231	39
Sheets (thinner than 3/16 in.):				
Plain	" 184	37	172	44
Galvanized	" 34	7	35	8
Other iron and steel .....	...	111	...	118
Non-ferrous metal in all forms (including scrap):				
Aluminum:				
Castings	lb. 126,238	73	93,004	53
Sheet	" 595,777	332	670,286	392
Other forms	" 283,700	152	200,149	160
Brass and bronze	" 40,328	30	61,017	51
Other non-ferrous metals .....	..	12	..	48
Other materials and supplies:				
Fibreglass .....	...	445	...	672
Paints and varnishes .....	...	149	...	221
Synthetic resin (alkyd polyester type) .....	...	318	...	372
All other materials and components used ¹ .....	...	3,891	...	5,680
2. Containers and other packaging materials and supplies used .....	...	69	...	44
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	207	...	236
4. Amount paid out to others for work done on materials owned by establishments...	...	83	...	58
Total .....	...	6,996	...	9,362

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$831,711 in 1962 and \$1,163,908 in 1963.

TABLE 7. Shipments of Goods of Own Manufacture, 1962 and 1963

Description	1962		1963	
	Quantity	Value	Quantity	Value
	number	\$'000	number	\$'000
1. Products:				
Canoes	3,743	416	4,043	591
Row boats, skiffs, dories, etc.	2,976	322	3,951	482
Sailboats, including sail fishing boats	720	821	1,210	2,098
Outboard boats, including hulls:				
Aluminum	3,460	914	3,807	1,040
Reinforced plastic	4,812	2,505	5,441	3,104
Wood	3,749	1,987	4,782	2,299
Other	84	25	61	18
Motor boats, including motor fishing boats	691	3,259	587	4,336
Life boats and whale boats	30	42	30	36
Other boats	179	836	146	1,068
Oars and paddles	25,344	59	35,269	94
Marine and fishermen's supplies .....	...	156	...	358
Amount received for repairs of all kinds (at the plant) .....	...	2,328	...	2,225
Amount received for boat livery and storage .....	...	163	...	165
All other products .....	...	1,110	...	1,236
2. Amount received in payment for work done on materials and products owned by others .....	...	184	...	233
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(12)	...	(32)
Net adjustment for establishments receiving progress payments .....	...	-	...	304
Total adjusted value of shipments and work done .....	...	15,113	...	19,655

TABLE 8. Shipments of Selected Goods of Own Manufacture — All Industries, 1962 and 1963
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Description	1962		1963	
	Quantity	Value	Quantity	Value
	number	\$'000	number	\$'000
Canoes	6,403	668	4,959	671
Rowboats, skiffs, dories, etc.	2,976	322	3,951	482
Sailboats, inc. sail fishing boats	720	821	1,810	2,218
Outboard boats, including hulls:				
Aluminum	8,451	1,935	10,781	2,456
Reinforced plastic	7,423	4,398	7,856	5,055
Wood	4,170	2,109	4,832	2,324
Other	88	26	61	18
Motorboats, including motor fishing boats	773	3,716	615	4,501
Lifeboats and whaleboats	30	42	30	36
Other boats	635	957	154	1,182
Totals	31,689	14,994	35,049	18,943

List of Establishments classified to This Industry, 1963

(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.	Fortune
Prince Edward Island:	
Alberton Industries Ltd.	Alberton
Bell, Nelson	White Sands
Derby, William F.	White Sands
Doucette, John A.	St. Louis
Nova Scotia:	
Allen, W. Lawrence	Lunenburg
Atkinson, Ernest	Centreville
Atkinson, Herbert A. & Son	Clarkes Harbour
Barkhouse, John H.	Chesler
Boudreau Brothers	Mavillette
Boudreau, George Edward	Upper Wedgeport
Causeway Shipbuilding Ltd.	Point Tupper
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'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
Fraser Kenneth J.	Pleasant Bay
Frost, O.C. & Son	Port Maitland
Gray, Brenton	Bald Rock
Greenwood, Joseph	Upper Shag Harbour
Heisler, Clarence R.	Indian Point
Hiltz, Alfred	Port Bickerton
Hutt, Norman	Owl's Head Harbour
Hutt, Reuben B.	Owl's Head Harbour
Industrial Shipping Co. Ltd.	Mahone Bay
Langille, Isaac	R.R. No. 2, Mahone Bay
Larkin & Shand	Shag Harbour
MacAlpine, Kenneth & Son	Shelburne
Marden, Gerald E.	Lower Wood Harbour
Marriotts Cove Yacht Builder	Marriott's Cove
Newell, Austin D.	Yarmouth
Nickerson, J.H.	Central Wood's Harbour
Philip Brothers	Sydney
Pothier, R.H.	Yarmouth
Robar, Wm. Warren	Upper LaHave
Sampson, B.D.	L'Ardoise
Sangster, Harry L.	New Harbour East
Scottian Boat & Fly Co.	Paradise
Stevens, Gerald Lawson	Chester
Stright-MacKay Ltd.	Copper Crown Point
Swaine, George R.	North West Harbour
Theriault, Fred	Belliveau Cove
Wyman, Charles Ltd.	Shelburne

List of Establishments classified to This Industry, 1963, - Continued

Name	Location
New Brunswick:	
Chantier Naval Limitée, Le	Middle Caraquet
Chestnut Canoe Co. Ltd.	Fredericton
Donelle, André	Shemogue
Fletcher, Clayton	Wilson's Beach
Mallet, Omer G.	Centre St. Simon
Quebec:	
Aluminum Boats & Canoes Inc.	Princeville
Aucoin, Léonard	Fatima
Berthiaume, Marcel	St-Donat, Co. Montcalm
Blais & Fils, Enr.	St-Sylvestre
Cadorette, Moise Inc.	St-Jean Des Piles
Canots Cadorette Canoes Inc.	Grand'Mère
Canots Tremblay Enrg., Les	St-Félicien
Chaloupes Verchères Enr.	Verchères
Chantiers Maritimes Charlevoix Ltée	St-Joseph de la Rive
Claude Marine Repairs	2089 St. Joseph, Lachine
Dansereau, Noel	Contrecoeur, Co. Verchères
Desmarais, E.	Verchères
Desmarais, T. & Fils, Enr.	Verchères
Gariépy, Augustin	Lesage
Lachance, P.X.	St-Laurent, Île d'Orléans
Laliberté & Frère	Sillery
Langevin, Julien	Verchères
Marbro Industries Ltd.	Ville St. Pierre
Modern Boat Builders Reg'd.	Granby
Northcraft Industries Ltd.	2190 Johnson St., St. Laurent
Nu-Craft Enr.	St-Hermas
Picard, Louis Ad.	Village Huron, Loretteville
Pigeon, Arthur & Fils	11921 Bellevols, Montreal-N.
Racine, Willy	St-Miches-Des-Saints, Co. Berthier
St. Maurice Canots Enrg.	Shawinigan
Tanzercraft Ltd.	R.R. No. 1, Vaudreuil
Trois-Rivières Yachtworks	Trois-Rivières
Tru-Craft Ltd.	St-André Est
Ontario:	
Abbott Boat Works	1458 London Rd., Samia
Adla Co.	Milvan Drive, Weston
Address, W.E. & Son	Rockport
Baycrest Boats	Demorestville
Boat Repair Service	4 Elrose Ave., Weston
Binks, Guilford & Son	R.R. No. 2, Huntsville
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
Dominion Marine & Boatworks	1434 Campbell Ave., Windsor
Duke Boats Ltd.	Port Carling
Fenelon Falls Marine	Fenelon Falls
Ferris, Clarence W.	St. Williams
Fontaine Boats	Pefferlan
Georgian Steel Boats Ltd.	Niagara on the Lake
Glesier, B. & Sons Ltd.	Powasson
Grampian Marine Ltd.	Oakville
Grassmere Boat Works	R.R. No. 2, Huntsville
Gren-Ell Wood Industries Ltd.	11 Brock Ave., 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 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
Kingscraft Marine Constr. Co.	Kingston
Langford Marine	R.R. No. 1, Baysville
McGruer, E.F. & Co. Ltd.	2605 Thrd Ave. W., Owen Sound
Masson Boats Mfg.	Smiths Falls
Morris Boat Works	600 Wentworth St. N., Hamilton
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
Ordo Boat Works	Port Perry
Outboard Marine Corp. of Can. Ltd.	Trenton
Paul, G.S. Marine Service	Lakefield
Plastic Service	Oliver Rd., Port Arthur
Rail's Marine Service	Pointe au Baril
Rice Lake Boat Works	Gores Landing
Richardson, Cliff Boats Ltd.	Meaford
Rieger Fiberglass & Boats Ltd.	1078 Kipling Ave. N., Rexdale
Risco Industries Ltd.	Lakefield

List of Establishments classified to This Industry, 1963 - Continued

Name	Location
Ontario - Concluded:	
Roberts-Ross Industries Ltd.	Atherly
Ronlee, Wm. Craft	2910 Walker Rd., Windsor
Sailfish Sportcraft Ltd.	Richmond Hill
Shepherd Boats Ltd.	Niagara-on-the-Lake
Shewman's Boats	Brighton
Sims, Richard	1225 Lakeshore Blvd. W., Toronto
Sound Boat Works	Parry Sound
Stewart's Steel Boats	Coldwater
Sun Parlor Marina	R.R. No. 1, Leamington
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
Wilker Boats Ltd.	Hyde Park
Manitoba:	
Aluma Way Boat (Mfg.) & Marine	Lot 46, West St. Paul
Anchor Industries Ltd.	Brandon
Aroline Boat Co. Ltd. The	26 Archibald St., St. Boniface
Atkins & Son	The Pas
Halliday, C.J.	Oakville
Lake Winnipeg Boat Works	Gimli
Riverton Boat Works Ltd.	Riverton
Simpson, Geo. D. Mfg. Co. Ltd.	Main & Portage, West Kildonan
Watson Marine Ltd.	Middlechurch
Saskatchewan:	
Lane Industries	225-29th St. E., Saskatoon
Alberta:	
Booth & Son (Boats) Ltd.	11825-145th St., Edmonton
Prairie Plastics Ltd.	1239-2nd. Ave. S., Lethbridge
British Columbia:	
Admiral Shipyard Ltd.	Hammond
Albion Boat Works	R.R. # 1, Hanover
Alfab Alloy Fabrications	Ioco
Allen Boat Works	625 Denman St., Vancouver
Anderson's Advance Plastics	North Surrey
Art Craft Boat Works	Burnaby
Atagi Boat Builders	610 Dyke Rd., Richmond
B.C. Fibre Glass Co. Ltd.	1621 Railway Ave., North Vancouver
Beaver Glass Hulls Ltd.	Foot of Twigg Rd., Richmond
Bel-Aire Shipyard Ltd.	Foot of Cardero St., Vancouver
Bel, Ralph Shipyards Ltd.	Albert Bay
Calgan Marine Ltd.	520 Mountain Hwy., North Vancouver
Cape Lazo Boat Yard	Courtenay
Caper-Craft Boat Works	1898 Kent St., Vancouver
Chappell's Boat Works Ltd.	Richmond
Clark Bros. Boat Works Ltd.	R.R. # 1, Sidney
Clinker Craft	272 East Esplanade, North Vancouver
D. & L. Boat Works	Royal Oak
Davidson Mfg. Co. Ltd.	1872 W. Georgia St., Vancouver
Deltaga Boat Works	9317 River Rd., New Westminster
Dewar Boat Works	North Surrey
Elia Boat Works	8805 Selkirk St., Vancouver
Enno's Custom Boats Ltd.	Ft. of Rogers, North Vancouver
Ganges Boat Yard Ltd.	Ganges, Saltspring Island
Gibsons Boat Works	Gibsons
Gooldrup, John F.	Gibsons
Grenfell Yachts	1615 West 2nd Ave., Vancouver
Hilmarine Boat Works	525 Head St., Victoria
Houston Glascraft Ltd.	1389 Main St., North Vancouver
Howie's Fibreglass Service	R.R. # 2, Prince George
Husum Boat Works	Hammond
Jones Boat Works	Duncan
Kanata Marine Ways Ltd.	Ft. of Boughton St., Vancouver
Karsen Boat Works	Burrard Yacht Club, Vancouver
Kencraft Plastics	Port Coquitlam
Kishi Boat Works	Steveston
Leclerc & Collins Shipyard Ltd.	Port Coquitlam
Leisure Craft Mfg. Ltd.	237 First St. E., North Vancouver
M & M Boat Works	Steveston
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 Shipyard Ltd.	Prince Rupert
Menchions, W.R. & Co. Ltd.	650 Cardero St., Vancouver
Nakade Boat Works	Steveston
North Arm Boat Works	91 Off Jardine St., New Westminster
Ohman Boat Works Ltd.	Ft. of Jardine St., New Westminster
Pelagic Constr. & Design, Ltd.	45 Songhees Rd., Victoria
Penwood Products	Penticton
Port Hammond Boat Yard	Port Hammond
Prince Rupert Boat Yard Ltd.	Prince Rupert
Progressive Plastics	Richmond
"Q" Cove Boat Works	Quathiaski Cove

List of Establishments classified to This Industry - Concluded

Name	Location
British Columbia—Concluded:	
Rabeneck Brothers	Nanaimo
Rae, Marshal	Madelra 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, Mal. Boat Works	101 Jardine St., New Westminster
Sather, Peder	North Surrey
Scott, Robert	5305 Joyce St., Vancouver
Shelter Point Plastics	R.R. # 1, Campbell River
Sjodin Boat Works	Heriot Bay
Solvey Plastics	Chilliwack
Spencer Boats Ltd.	1347 Mitchell Rd., Vancouver
Starlite Boats Ltd.	Burnaby 1
Stokkeland, O.P. Boat Yard	North Surrey
Stoltz Boat Works & Glasscraft	Steveston
Sturdi-Craft Boats Ltd.	1959 West Georgia St., Vancouver
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
Western Craft Ltd.	Ft. of Phillips Ave., North Vancouver
Wick Bros. Boats Works	Prince Rupert
Wicks Boat Works	1810 Kent St., Vancouver
Withey's Shipyard Ltd.	Garbiola Island
Yamanaka Boat Works Ltd.	Steveston

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 58 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 178 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 activity

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. 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. 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.). 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 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 materials and fuel and electricity consumed from the value of production (value of shipments 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

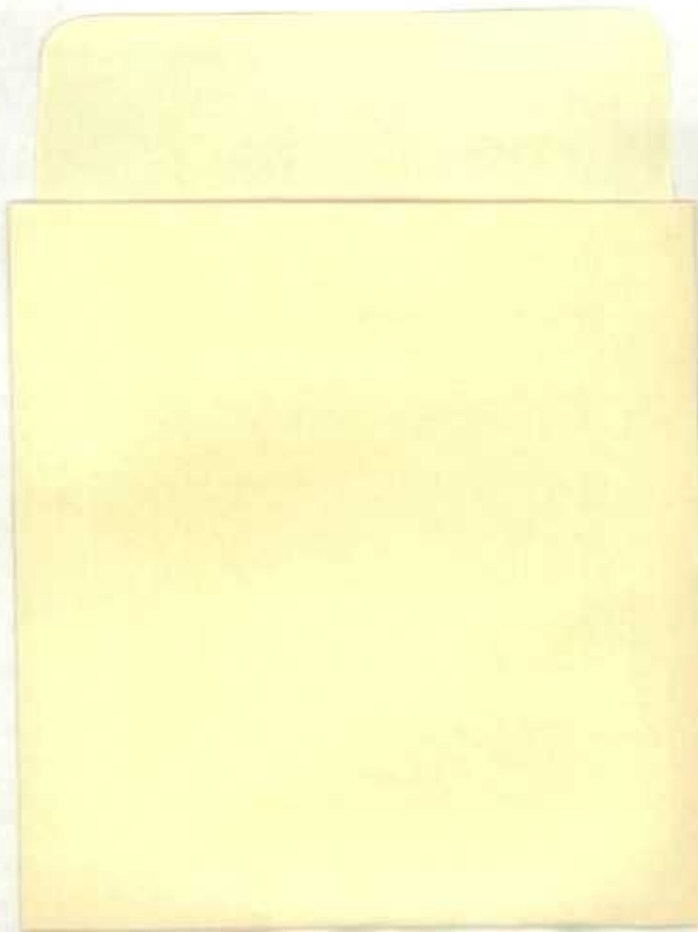
purchased for re-sale) and the cost of other materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

(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 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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