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METAL ROLLING, CASTING AND EXTRUDING, N.E.S.

1965

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A — Annual

Q — Quarterly

M — Monthly

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METAL ROLLING, CASTING AND EXTRUDING, N.E.S.

1965

For statistical purposes the industry titled Metal Rolling, Casting and Extruding, N.E.S. in the revised Standard Industrial Classification covers establishments primarily engaged in manufacturing non-ferrous metals such as zinc, tin, lead, nickel and titanium and their alloys in shapes such as bars, rods, plates, sheets and castings. In addition, this industry includes establishments primarily engaged in pressure die casting of all non-ferrous metals and their alloys and those engaged in the recovery of non-ferrous metals from scrap.

Value of shipments and other revenue of the Metal Rolling, Casting and Extruding, N.E.S. industry in 1965 totalled \$152 million. This amount included products of own manufacture such as secondary non-ferrous metals, non-ferrous alloys, castings and die-castings, other rolled, drawn and extruded non-ferrous products and secondary products valued at \$129 million. Other revenue was reported at \$23 million.

The cost of materials and supplies, etc. used in the production of goods of own manufacture increased by \$15.2 million. Cost of materials and supplies, etc. (inputs) represented 67 per cent of the value of shipments of own manufacture (outputs), compared to 68.5 per cent in 1964.

It should be noted that Table 13 covers the shipments of the establishments classified to this industry, whereas Table 14, presents the total value of shipments of specific commodities of Canadian manufacture, and includes shipments of those commodities reported by establishments classified to other industries.

SYMBOLS

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

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

-- amount too small to be expressed.

p preliminary figures.

* revised figures.

x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Principal Statistics, 1961-65

Year and province	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	73	1,848	3,821	6,867	1,105	40,871	63,576	22,508	16	78	2,731	11,742	23,872
1962													
Totals	74	1,908	3,996	7,437	1,163	46,800	70,470	22,342	14	88	2,770	12,533	23,564
1963													
Totals	74	2,123	4,437	8,430	1,249	51,354	77,808	26,044	11	64	3,038	13,968	29,432
1964													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	13	x	x	x	x	x	x	x	x	x	x	x	x
Ontario	45	1,814	3,891	7,517	1,117	54,878	79,755	24,764	5	31	2,544	12,328	27,520
Manitoba	4	97	187	373	60	2,575	4,314	1,983	-	-	136	669	2,058
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	4	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia	5	79	155	363	59	2,188	3,517	1,450	-	-	115	584	1,482
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	72	2,461	5,241	9,945	1,436	71,833	102,837	31,701	8	52	3,382	15,923	36,081
1965													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	14	x	x	x	x	x	x	x	x	x	x	x	x
Ontario	44	2,019	4,260	9,175	1,266	66,849	99,137	31,221	5	32	2,785	14,337	33,642
Manitoba	5	124	243	517	74	2,848	4,854	1,969	-	-	181	928	2,270
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	3	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia	6	90	193	475	68	2,474	4,767	2,192	-	-	135	756	2,204
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	73	2,753	5,821	12,261	1,625	87,053	129,406	41,340	8	55	3,736	18,800	44,589

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

Size group	Estab- lish- ments	Manufacturing activity						Total activity						
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added	
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages		
	No.		'000			\$'000				\$'000			\$'000	
1964														
Under \$10,000	7	11	22	32	7	73	197	117	5	26	13	39	117	
\$ 10,000 to \$ 24,999		8	31	64	14	343	648	291	1	8	39	182	294	
25,000 " 49,999		7	66	134	281	32	486	1,159	636	2	18	86	375	643
50,000 " 99,999		17	329	673	1,101	93	2,717	5,499	2,725	—	—	402	1,540	2,843
100,000 " 199,999		7	226	448	749	85	2,785	4,865	2,095	—	—	308	1,251	2,224
200,000 " 499,999	20	1,127	2,366	4,594	719	32,114	43,681	12,546	—	—	1,510	7,015	14,789	
500,000 " 999,999		671	1,535	3,062	485	33,315	46,788	13,291	—	—	1,024	5,521	15,172	
1,000,000 " 4,999,999	6													
5,000,000 and over														
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	72	2,461	5,241	9,945	1,436	71,833	102,837	31,701	8	52	3,382	15,923	36,081	
1965														
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—	
\$ 10,000 to \$ 24,999	3	2	4	4	1	15	44	29	2	9	3	5	31	
25,000 " 49,999	5	20	40	69	6	81	196	112	2	16	25	91	176	
50,000 " 99,999	5	17	34	66	10	191	363	168	2	10	21	83	167	
100,000 " 199,999	8	79	167	372	36	572	1,332	724	2	20	93	478	738	
200,000 " 499,999	18	356	717	1,248	102	3,476	6,345	2,854	—	—	470	1,949	3,076	
500,000 " 999,999	7	217	466	776	70	2,939	5,081	2,212	—	—	261	1,109	2,807	
1,000,000 " 4,999,999	19	1,107	2,306	4,761	741	30,906	47,251	15,470	—	—	1,472	7,062	15,565	
5,000,000 and over	8	955	2,088	4,966	660	48,872	68,794	19,772	—	—	1,391	8,023	22,028	
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	73	2,753	5,821	12,261	1,625	87,053	129,406	41,340	8	55	3,736	18,800	44,589	

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity					
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added	
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages		
	No.		'000			\$'000				\$'000		\$'000		
1964														
Under \$10,000	8	32	56	113	36	1,168	1,248	84	3	14	43	174	79	
\$ 10,000 to \$ 24,999		9	30	64	120	27	699	1,053	328	5	38	39	173	365
25,000 " 49,999		4	32	66	142	13	261	547	273	—	—	39	179	273
100,000 " 199,999		18	238	495	969	115	5,865	8,431	2,552	—	—	330	1,466	3,211
200,000 " 499,999		15	497	1,044	1,770	203	14,527	18,766	4,648	—	—	667	2,887	6,180
500,000 " 999,999	8	495	1,039	2,010	327	10,622	15,911	5,828	—	—	628	2,935	6,078	
1,000,000 " 4,999,999	10	1,137	2,478	4,821	715	38,689	56,882	17,988	—	—	1,636	8,109	19,896	
5,000,000 and over .....		...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	72	2,461	5,241	9,945	1,436	71,833	102,837	31,701	8	52	3,382	15,923	36,081	
1965														
Under \$10,000	3	2	4	4	2	26	51	23	2	12	3	5	23	
\$ 10,000 to \$ 24,999	5	20	40	69	7	138	248	106	2	14	22	81	166	
25,000 " 49,999	7	26	58	105	14	470	749	271	2	10	37	170	297	
50,000 " 99,999	7	37	76	167	33	1,456	1,991	521	2	20	58	298	577	
100,000 " 199,999	14	195	398	888	77	2,411	4,336	1,913	—	—	255	1,263	2,041	
200,000 " 499,999	13	386	792	1,340	183	10,463	14,574	4,136	—	—	497	2,091	4,763	
500,000 " 999,999	12	666	1,415	2,829	437	28,242	37,993	9,278	—	—	861	4,356	9,401	
1,000,000 " 4,999,999	12	1,421	3,037	6,861	872	43,848	69,465	25,092	—	—	2,003	10,536	26,220	
5,000,000 and over .....		...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	73	2,753	5,821	12,261	1,625	87,053	129,406	41,340	8	55	3,736	18,800	44,589	

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1964													
Under \$10,000	8	32	56	113	36	1,168	1,248	84	3	14	43	174	79
\$ 10,000 to \$ 24,999	8	24	48	97	24	495	806	287	5	38	32	143	297
25,000 " 49,999	5	38	81	165	16	465	795	314	—	—	46	209	341
50,000 " 99,999	16	193	390	772	86	3,116	5,420	2,243	—	—	259	1,137	2,283
100,000 " 199,999	13	418	851	1,307	133	8,850	12,428	3,665	—	—	529	2,020	3,895
200,000 " 499,999	10	489	1,031	1,976	325	11,736	16,988	5,833	—	—	646	3,091	7,143
500,000 " 999,999	12	1,267	2,783	5,516	816	46,002	65,152	19,275	—	—	1,827	9,149	22,043
1,000,000 " 4,999,999 .....	...	...	...	...	...	...	...	...	...	...	...	...	...
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	72	2,461	5,241	9,945	1,436	71,833	102,837	31,701	8	52	3,382	15,923	36,081
1965													
Under \$10,000	3	2	4	4	2	26	51	23	2	12	3	5	23
\$ 10,000 to \$ 24,999	3	4	8	11	4	100	162	59	1	6	5	17	60
25,000 " 49,999	7	21	42	86	12	211	463	248	2	10	31	150	261
50,000 " 99,999	7	48	104	199	31	1,066	1,489	415	3	28	64	292	506
100,000 " 199,999	15	181	375	843	81	2,970	4,936	1,931	—	—	236	1,197	2,005
200,000 " 499,999	14	402	825	1,410	180	10,567	15,208	4,653	—	—	522	2,163	4,518
500,000 " 999,999	9	495	1,042	1,929	291	12,996	19,533	6,090	—	—	620	2,823	6,933
1,000,000 " 4,999,999	15	1,600	3,421	7,777	1,024	59,117	87,564	27,922	—	—	2,255	12,154	30,282
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	73	2,753	5,821	12,261	1,625	87,053	129,406	41,340	8	55	3,736	18,800	44,589

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1964													
Under 5 employed	12	20	40	72	24	340	630	266	7	44	26	114	276
5- 14 employed	16	106	219	464	70	3,496	5,380	1,941	1	8	150	688	2,032
15- 49 "	23	416	896	1,777	345	22,895	29,208	6,888	—	—	601	3,049	8,445
50- 99 "	10	547	1,106	1,840	260	15,819	21,376	5,996	—	—	731	3,134	6,541
100-199 "	7	653	1,409	2,795	368	9,997	15,973	6,103	—	—	849	3,916	6,732
200-499 "	4	719	1,571	2,998	369	19,285	30,269	10,506	—	—	1,025	5,021	12,055
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	72	2,461	5,241	9,945	1,436	71,833	102,837	31,701	8	52	3,382	15,923	36,081
1965													
Under 5 employed	12	17	34	67	26	387	713	303	7	48	26	126	334
5- 14 employed	15	110	234	530	65	3,826	5,345	1,530	—	—	154	786	1,647
15- 49 "	24	454	954	1,996	302	20,819	28,994	8,115	1	8	647	3,328	8,870
50- 99 "	8	429	922	1,489	241	10,054	15,662	5,190	—	—	516	2,106	5,246
100-199 "	11	1,115	2,358	5,051	623	30,562	43,690	12,683	—	—	1,484	7,460	13,385
200-499 "	3	628	1,319	3,127	368	21,405	35,002	13,518	—	—	909	4,994	15,107
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	73	2,753	5,821	12,261	1,625	87,053	129,406	41,340	8	55	3,736	18,800	44,589

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

Type of organization	Estab- lish- ments	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	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Individual ownerships	6	12	24	44	16	188	345	143	8	52	12	44	149
Partnerships													
Incorporated companies	66	2,449	5,217	9,901	1,420	71,645	102,491	31,558	...	...	3,370	15,879	35,932
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	72	2,461	5,241	9,945	1,436	71,833	102,837	31,701	8	52	3,382	15,923	36,081
1965													
Individual ownerships	6	20	40	71	18	189	359	154	8	55	20	71	221
Partnerships													
Incorporated companies	67	2,733	5,781	12,190	1,607	86,864	129,047	41,186	...	...	3,716	18,729	44,369
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	73	2,753	5,821	12,261	1,625	87,053	129,406	41,340	8	55	3,736	18,800	44,589

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
\$'000						
Output						
1. Shipments and other revenue	102,837	129,406	19,676	22,990	122,513	152,396
Inventories— Goods of own manufacture:						
Add closing— Goods in process	2,167	2,002	...	...	2,167	2,002
Finished goods	7,255	7,920	...	...	7,255	7,920
Deduct opening— Goods in process	1,534	2,231	...	...	1,534	2,231
Finished goods	5,756	7,078	...	...	5,756	7,078
2. Net inventory change	2,132	613	...	...	2,132	613
3. Gross output (1 + 2)	104,969	130,019	19,676	22,990	124,645	153,009
Input						
4. Purchases of goods not of own manufacture .....	...	...	15,516	19,031	15,616	19,031
Inventories— Goods not of own manufacture:						
Add opening .....	...	...	1,213	2,117	1,213	2,117
Deduct closing .....	...	...	2,105	2,126	2,105	2,126
5. Cost of goods sold (not of own manufacture) .....	...	...	14,724	19,022	14,724	19,022
6. Materials, supplies, etc.	71,833	87,053	572	719	72,405	87,772
7. Fuel and electricity	1,436	1,625	...	...	1,436	1,625
8. Gross input (5 + 6 + 7)	73,269	88,678	15,296	19,741	88,565	108,419
Value added (3 - 8)	31,701	41,340	4,380	3,249	36,081	44,589

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distribution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			Manufacturing	Other	
	number										\$'000				
1964															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Quebec	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Ontario	1,549	265	4	-	429	140	132	25	2,114	430	7,517	21	3,563	1,228	12,328
Manitoba	89	8	-	-	31	6	2	-	122	14	373	-	275	22	669
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
British Columbia	77	2	-	-	21	9	4	2	102	13	363	-	190	31	584
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,127	334	4	-	546	177	167	27	2,844	538	9,945	21	4,497	1,460	15,923
1965															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Quebec	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Ontario	1,792	227	8	-	418	150	167	23	2,385	400	9,175	45	3,766	1,351	14,337
Manitoba	109	15	-	-	34	10	13	-	156	25	517	-	338	73	928
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
British Columbia	90	-	-	-	29	10	5	1	124	11	475	-	247	34	756
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,473	280	8	-	543	194	214	24	3,238	498	12,261	45	4,852	1,642	18,800

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

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	1,833	312	1,999	245
February	1,830	321	2,008	256
March	1,799	305	2,005	253
April	1,786	299	2,078	258
May	1,767	298	2,166	220
June	1,780	308	2,156	242
July	1,805	301	2,184	240
August	1,839	298	2,220	226
September	1,884	278	2,240	248
October	1,932	295	2,271	251
November	1,945	303	2,360	267
December	1,893	300	2,283	266
Averages	1,838	301	2,169	247
Establishments reporting annual averages (small establishments only)	289	33	304	33
Average for all establishments	2,127	334	2,473	280

TABLE 10. Inventories, 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	x	x	x	x	—	x
Quebec	x	x	x	x	x	x
Ontario	6,713	1,778	4,117	12,608	1,518	14,126
Manitoba	374	90	527	992	2	994
Saskatchewan	—	—	—	—	—	—
Alberta	x	—	x	x	x	x
British Columbia	491	156	1,163	1,809	—	1,809
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	8,461	2,231	7,078	17,771	2,117	19,888
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	x	x	x	x	—	x
Quebec	x	x	x	x	x	x
Ontario	5,360	1,439	4,654	11,454	1,450	12,904
Manitoba	289	65	589	943	1	943
Saskatchewan	—	—	—	—	—	—
Alberta	x	—	x	x	x	x
British Columbia	619	251	1,036	1,906	36	1,942
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	7,198	2,002	7,920	17,119	2,126	19,245

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

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	—	—	—
(b) Imported	"	471	344	5
Sub-bituminous coal (from Alberta mines only)	"	—	—	—
Anthracite coal	"	298	32	—
Lignite coal	"	—	—	—
Coke	"	1,603	2,368	38
Gasoline (including gasoline used in cars and trucks)	imp. gal.	239,847	240,797	38
Fuel oil including kerosene or coal oil	"	3,214,286	3,265,296	110
Wood	cord	8	16	—
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	209,633	279,581	54
(b) Other manufactured gas	M cu. ft.	3,650	—	—
(c) Natural gas	"	646,904	831,028	432
Other fuel .....	...	7	...	11
Electricity purchased	kwh.	35,632,588	38,148,462	390
Steam purchased .....	...	—	...	—
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	113	...	37
3. All establishments:				
Total fuel and electricity used .....	...	1,436	...	1,625

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

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Metals (other than scrap):				
Aluminum:				
Ingots	lb. 7,924,216	1,891	14,092,082	3,513
Other forms	" 1,502,041	373	3,043,000	761
Antimony	" 495,898	147	643,745	289
Arsenic (elemental and oxide)	" 119,078	9	158,927	10
Bismuth	" 39,244	92	35,010	123
Brass and bronze, all forms	" 557,977	238	561,067	275
Cadmium	" 132,155	366	87,511	245
Copper ingots and slabs	" 287,966	114	407,297	183
Die casting alloys	" 5,015,961	811	7,913,810	1,475
Lead, pig:				
Pure	" 36,007,642	4,659	39,087,914	5,970
Antimonial	" 4,991,736	624	4,816,670	835
Magnesium	" 826,178	276	867,311	291
Manganese metal	" 52,406	20	96,906	36
Nickel	" 2,013,306	1,767	1,013,348	860
Silicon metal	" 1,220,703	238	2,099,085	569
Silver, fine	troy oz. 48,860	64	55,784	84
Tellurium	lb. 1,076	5	2,608	13
Tin, pig	" 4,042,598	6,758	4,743,863	9,038
Zinc slabs, bars and ingots	" 41,878,375	6,138	48,972,051	7,462
Other metals, except scrap, but including alloys .....	...	1,114	...	1,156
Scrap metals of all kinds:				
Aluminum	lb. 42,506,159	5,924	49,876,016	7,775
Babbitt	" 4,104,867	811	2,801,798	611
Brass and bronze	" 39,718,579	11,067	43,077,092	13,465
Copper	" 15,834,530	5,304	18,544,326	7,254
Lead	" 106,300,053	7,473	99,455,991	8,168
Magnesium	" 158,037	38	187,959	38
Solder	" 1,616,180	537	1,854,852	1,020
Tin	" 208,946	190	233,040	204
Type metal	" 8,448,023	1,603	8,085,614	2,024
Zinc	" 3,987,246	294	4,117,669	292
Zinc dross	" 8,386,772	552	6,521,789	445
Other scrap, including scrap unspecified by kind	" 168,356	291	...	259
All other materials and components used ¹ .....	...	6,816	...	7,169
2. Containers and other packaging materials and supplies used .....	...	610	...	771
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	1,497	...	1,705
4. Amount paid out to others for work done on materials owned by establishments .....	...	2,919	...	2,681
Totals .....	...	71,833	...	87,053

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs amounted to \$3,008,182 in 1964 and \$3,321,677 in 1965.

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

Description	1964		1965	
	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000
1. Products:				
Secondary non-ferrous metals (reclaimed from scrap or remelted) (all forms pig, ingot, shot, etc.):				
Aluminum	41,475,146	9,475	53,095,183	12,364
Lead, unalloyed	20,874,833	2,812	24,524,346	3,819
Tin	100,042	170	138,464	280
Zinc	7,200,037	1,112	4,194,759	713
Other .....	..	41	..	1
Alloys, non-ferrous (all forms, pig, ingot, shot, etc.):				
Babbitt	1,443,717	1,098	3,335,815	1,961
Copper-base alloys (brass, bronze, etc.)	43,544,608	15,837	..	..
Die casting alloy	22,184,294	3,928	26,718,661	4,907
Lead, antimonial:				
Primary (made from virgin metal)	9,121,850	1,325	14,467,316	2,374
Secondary (reclaimed from scrap)	40,449,275	5,808	44,470,265	7,546
Solders	16,336,617	9,525	18,362,334	11,726
Type and type metal	12,009,031	2,769	12,620,331	4,034
Other alloys .....	..	2,087	..	2,884
Castings:				
Die casting:				
Aluminum-base alloy	6,838,405	4,559	12,871,251	7,695
Zinc-base alloy	20,327,950	10,054	28,256,758	13,558
Other castings .....	..	4,372	..	4,612
Lead products:				
Pipe and tubing, traps and bends	4,513,852	1,209	4,427,027	1,364
Plate, sheet and strip	4,727,671	1,067	4,941,965	1,373
Wire	817,740	464	770,411	619
Other rolled, drawn or extruded lead shapes .....	..	292	..	270
All other products .....	..	24,435	..	46,396
2. Amount received in payment for work done on materials and products owned by others .....	..	508	..	1,055
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual items described above .....	..	(110)	..	(133)
Net adjustment for establishments receiving progress payments .....	..	-	..	-
Total adjusted value of shipments and work done .....	..	102,837	..	129,406

¹ Confidential; included in "All other products".

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

A. Babbitt, Solders, Type and Type Metal, 1956-65

Year	Babbitt metal		Solders of all kinds		Type and type metal	
	Quantity	Selling value at plant	Quantity	Selling value at plant	Quantity	Selling value at plant
	'000 lbs.	\$'000	'000 lbs.	\$'000	'000 lbs.	\$'000
1956	2,963	1,194	12,937	6,086	9,975	2,614
1957	2,176	1,047	11,994	5,890	9,086	2,698
1958	1,595	764	11,435	5,033	6,918	2,373
1959	1,232	702	11,700	5,151	11,141	2,959
1960	1,941	967	11,926	5,386	10,621	2,652
1961	1,509	824	9,515	4,804	11,376	2,794
1962	1,455	913	13,555	6,065	11,125	2,675
1963	1,972	1,178	15,996	6,957	11,455	2,686
1964	1,533	1,155	16,361	9,545	12,009	2,770
1965	3,405	2,004	18,387	11,746	12,620	4,024

B. Die Castings, ¹ 1958-65

Year	Aluminum base		Zinc base	
	Quantity	Value	Quantity	Value
	'000 lbs.	\$'000	'000 lbs.	\$'000
1958	2,560	1,645	16,561	7,543
1959	3,749	2,442	17,066	7,702
1960	3,918	2,699	16,606	7,419
1961	3,737	2,651	17,913	9,099
1962	8,098	5,302	22,249	10,146
1963	10,128	6,086	23,183	11,590
1964	9,755	6,378	26,573	14,463
1965	20,439	12,363	36,791	19,326

¹ Reported for sale as such. Does not include castings produced for own use or castings reported under other commodity headings such as hardware, parts, etc.

List of Establishments classified to this Industry, 1965

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

Name	Location
New Brunswick:	
Pope, A.O., Limited	90 Winter St., Saint John
Quebec:	
Canada Metal Co. Ltd., The	6265 Notre Dame St. E., Montreal
Eagle Smelting and Refining Works Ltd.	1095 Smith St., Montreal
Eastern Die Castings Inc.	2020 Thimens, St-Laurent
Federated Metals (Canada) Ltd.	1400 Norman St., Lachine
Herlicon Metals and Plastics Inc.	3815 Ruskin St., Ville St-Michel
International Metal & Smelting Co. Ltd.	1400, Boul. Labelle, St.-Thérèse de Blainville, Qué.
Kay Lead and Alloys Co.	7929 Dante Ave., ville St-Michel
Lutulippe, Charles	519 rue Silvain, Notre-Dame de Sacré-Coeur
Lyster Die Casting Ltd.	145, rue des Bouleaux, Lyster Station
Metals and Alloys Ltd.	1611 Bercy St., Montreal
Richler Metal Co.	10,244 Balzac St., Montreal Nord
Richmond Machine Tool and Die Casting Co. Ltd.	5680 Fullum St., Montreal
Riverside Smelting and Refining Works Ltd.	639 Farm St., Montreal
Wall Colmonoy (Canada) Ltd.	2997 Broadway St., Montreal
Ontario:	
Ace Castings	51 Amiens Rd., Scarborough
Amalite Co. Ltd.	907 Oxford St., Toronto
Atlas Titanium Ltd.	Centre Street, Welland
Balog Die Casting	67 Bechtel St., Hespeler
Barber Die Casting Co. Ltd.	Hillyard St., Hamilton
Bernard, H., (Canada) Ltd.	15 Wallsend Drive, West Hill
Burlington Die Castings Ltd.	2410 Industrial St., Burlington
Canada Metal Co. Ltd., The	721 Eastern Ave., Toronto
Canadian Hanson and Van Winkle Co. Ltd.	45 Vansco Rd., Etobicoke (Toronto 18)
Canadian Magnesium Products Ltd.	225 Concession Rd., Preston
Cohen, I., and Co. Ltd.	594 Montreal St., Kingston
Cramco Alloy Sales Ltd.	80 Sinnott Rd., Scarborough
Deloro Stellite - Division of Deloro Smelting and Refining Co. Ltd.	471 Dundas St. E., Belleville
Die Casters Co. Ltd.	45 Colville Rd., Toronto
Dominion Die Casting Ltd.	Libby St., Wallaceburg
Dominion Magnesium Ltd.	Haley
Dominion and Monarch Type Ltd.	34 Mercer St., Toronto
Dundas Die Casters Ltd.	James St., Dundas
E and S Quality Products	#3 Highway, Cottam
Eastland Metals Ltd.	79 Vulcan St., Rexdale
Federated Metals (Canada) Ltd.	1110 Birchmount Rd., Scarborough
General Smelting Company of Canada Ltd.	834 Appleby Line, Burlington
Grenville Castings Ltd.	Merrickville
Haley Industries Ltd.	Haley
Hewitt Metals Corporation Ltd.	1554 McDougall Ave., Windsor
Ingot Metal Co. Ltd., The	111 Fenmar Drive, Weston
J and K Zinc Die Casting Co. Ltd.	48 Crockford Blvd., Scarborough
Kester Solder Company of Canada Ltd.	1 Prince Charles Rd., Brantford
Lakeshore Die Castings Ltd.	482 Queen Elizabeth Way, Oakville
Last Minute Manufacturing Co. Ltd.	100 Wellington St. N., Thorold
McKay Smelters Ltd.	20 Charlevoix St., Ottawa
Mendler Mfg. Co.	Malden and Hudson Sts., Sandwich West
Metal and Alloys Ltd.	205 Wicksteed Ave., Leaside
Moore Type Foundry Ltd.	431 King St. W., Toronto
Pressure Castings of Canada Ltd.	177 Weston Rd., Weston
Prince and Smith Type Foundry Ltd.	113 St. Patrick St., Toronto
Ram Refined Alloys Ltd.	167 Barton St. W., Hamilton
Schultz Die Casting Co. of Canada Ltd.	77 St. David St., Lindsay
Tonolli Co. of Canada Ltd.	2414 Dixie Rd., Port Credit
Toronto Refiners and Smelters Ltd.	28 Bathurst St., Toronto
Uxbridge Foundry	Uxbridge
Wagman, Z., and Son Ltd.	190 Edwin Ave., Toronto
White Die Casting Co., Ltd.	354 McNab St., Dundas
Wilson Products	5 Lea Ave., Toronto
Manitoba:	
Bay Bronze (1962) Ltd.	1520 Wall St., Winnipeg
Canada Metal Co. Ltd., The	1221 St. James St., Winnipeg
Diecast Products Ltd.	1085 Winnipeg Ave., Winnipeg
Microdar of Canada Ltd.	1085 Winnipeg Ave., Winnipeg, Man.
Metals and Alloys Ltd.	265 Hamelin St., Fort Garry
Alberta:	
Canada Metal Co. Ltd., The	5524-4th St. S. E., Calgary
Roan-B Lead Shot Industries Ltd.	2916-11th Ave. N.W., Calgary
Siren Mfg. Co. Ltd.	3436-15th St. S.E., Calgary
British Columbia:	
Canada Metal Co. Ltd., The	1428 Gravnville St., Vancouver
Canadian Lead and Alloys Ltd.	2345 Douglas Road, North Burnaby
Fourway Brass & Aluminum	1055 East Cordova St., Vancouver 6, B.C.
General Metals Industries Ltd.	8726 Barnard St., Vancouver
Kennametal Inc. Macro Division	Kingsway, Port Coquitlam
Stuart Die Casting Co. Ltd.	1270 Boundary Rd., Vancouver

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

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

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

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

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

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

Establishment

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

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

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

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

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

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

Head Offices and Auxiliary Units

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

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

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

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

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

Employees

(a) Production and related workers – Manufacturing activities

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

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

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

(c) Administrative and office employees

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

(d) Sales and distribution workers

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

(e) Total Employees

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

Working Owners or Partners

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

Salaries and Wages

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

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

Fuel and Electricity

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

Materials and Supplies

(a) Manufacturing activities

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

(b) Non-manufacturing activities

1. Purchases for re-sale as such

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

2. Other materials and supplies used

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

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

Shipments

(a) General

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

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

(b) Shipments of goods of own manufacture

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

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

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

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

(c) Shipments of goods not of own manufacture

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

(d) Other revenue

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

Inventories

(a) Manufacturing activities

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

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

(b) Non-manufacturing activities

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

Value Added

(a) By manufacturing activities

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

(b) By non-manufacturing activities

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

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

(c) By Total activities

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

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