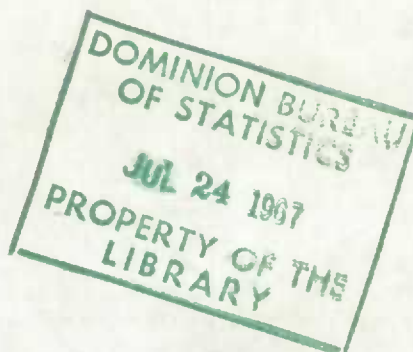


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# MANUFACTURERS OF ELECTRIC WIRE AND CABLE

1965

ANNUAL CENSUS  
OF MANUFACTURES

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## MANUFACTURERS OF ELECTRIC WIRE AND CABLE

1965

For statistical purposes the industry titled Manufacturers of Electric Wire and Cable in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing electric wire and cable both insulated or armoured and non-insulated. Establishments primarily engaged in manufacturing non-electric wire and wire products are included in Industry No. 305 - Wire and Wire Products Manufacturers.

An analysis of the Principal Statistics for this Industry indicates that the total value of shipments of products of own manufacture increased 21 per cent in 1965. The total cost of materials used in the manufacture of these products increased by 25 per cent, the value of production increased by 23 per cent and value added increased by 20 per cent. The total value of materials used represented 62 per cent of the value of production and value added represented 34 per cent of the value of production.

The value of shipments of electric wire and cable by the firms classified to this industry accounted for 91 per cent of their total value of shipments. Some of the other products shipped were fuses, potheads, wire rope and strand, merchants wire, aluminum wire, copper rod, coat hangers, and clothesline.

### **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.
- ◊ 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 .....	25	4,403	9,673	19,888	1,834	103,253	163,300	62,983	-	-	6,541	31,504	64,158
1962													
Totals .....	24	4,683	10,330	22,074	2,363	115,282	181,018	65,315	-	-	6,834	34,762	66,053
1963													
Totals .....	24	4,745	10,585	23,321	2,098	127,582	195,445	66,683	-	-	6,611	36,021	68,094
1964													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec .....	6	2,050	4,673	10,984	871	60,931	100,506	40,857	-	-	2,914	16,938	42,588
Ontario .....	12	2,747	6,107	13,329	1,338	73,066	108,655	32,235	x	x	3,957	20,142	32,443
Manitoba .....	2	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	2	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	25	5,061	11,379	25,466	2,336	146,464	227,178	79,243	x	x	7,199	38,565	81,210
1965													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec .....	6	2,365	5,405	13,664	906	79,376	126,232	48,884	-	-	3,286	20,181	51,052
Ontario .....	12	2,921	6,145	14,709	1,325	87,597	125,508	39,120	-	-	4,164	21,837	39,436
Manitoba .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	3	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	25	5,633	12,300	30,001	2,407	182,539	274,723	95,121	-	-	7,864	44,049	97,567



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	
<b>1964</b>													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999 .....	3	45	88	167	9	671	1,164	528	x	x	62	247	537
200,000 " 499,999 .....													
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	11	713	1,657	2,700	296	18,862	29,227	11,238	-	-	955	4,051	11,362
Head offices, sales offices and auxiliary units .....	11	4,303	9,634	22,600	2,030	126,931	196,787	67,477	-	-	6,182	34,266	69,310
Totals .....	25	5,061	11,379	25,466	2,336	146,464	227,178	79,243	x	x	7,199	38,563	81,210
<b>1965</b>													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999 .....	12	605	1,308	2,536	247	17,953	28,074	10,192	-	-	813	3,745	10,400
200,000 " 499,999 .....													
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	13	5,028	10,992	27,465	2,161	164,586	246,649	84,929	-	-	7,051	40,304	87,167
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	25	5,633	12,300	30,001	2,407	182,539	274,723	95,121	-	-	7,864	44,049	97,567

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	
<b>1964</b>													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999 .....	4	111	260	379	18	1,686	2,633	1,025	x	x	159	640	1,136
200,000 " 499,999 .....													
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	6	295	659	1,072	139	10,702	14,379	4,346	-	-	365	1,461	4,350
Head offices, sales offices and auxiliary units .....	11	1,719	3,714	7,732	800	54,414	80,695	25,568	-	-	2,346	11,438	25,557
Totals .....	4	2,936	6,746	16,284	1,379	79,662	129,471	48,304	-	-	4,329	25,026	50,166
5,000,000 and over .....	4	2,936	6,746	16,284	1,379	79,662	129,471	48,304	-	-	4,329	25,026	50,166
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	25	5,061	11,379	25,466	2,336	146,464	227,178	79,243	x	x	7,199	38,563	81,210
<b>1965</b>													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999 .....	5	72	147	323	32	3,268	4,720	1,465	-	-	99	457	1,472
200,000 " 499,999 .....													
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	3	144	331	690	69	5,642	8,371	2,289	-	-	188	962	2,547
Head offices, sales offices and auxiliary units .....	12	1,868	3,972	8,495	764	60,950	87,367	26,353	-	-	2,502	12,085	26,288
5,000,000 and over .....	5	3,549	7,849	20,494	1,543	112,679	174,265	65,014	-	-	5,075	30,545	67,200
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	25	5,633	12,300	30,001	2,407	182,539	274,723	95,121	-	-	7,864	44,049	97,567

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 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999 .....	3	45	88	167	9	671	1,164	528	x	x	62	247	537
100,000 " 199,999 .....													
200,000 " 499,999 .....													
500,000 " 999,999 .....		7	361	831	1,284	148	11,717	15,848	4,843	—	—	462	1,853
1,000,000 " 4,999,999 .....	11	1,719	3,714	7,732	800	54,414	80,695	25,568	—	—	2,346	11,438	25,557
5,000,000 and over .....	4	2,936	6,746	16,284	1,379	79,661	129,470	48,304	—	—	4,329	25,026	50,166
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	25	5,061	11,379	25,466	2,336	146,464	227,178	79,243	x	x	7,199	38,565	81,210
1965													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999 .....	7	157	342	757	82	7,846	11,258	2,889	—	—	200	978	2,881
100,000 " 199,999 .....													
200,000 " 499,999 .....													
500,000 " 999,999 .....		13	1,927	4,109	8,750	783	62,014	89,201	27,219	—	—	2,589	12,527
1,000,000 " 4,999,999 .....	5	3,549	7,849	20,494	1,543	112,679	174,265	65,014	—	—	5,075	30,545	67,260
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	25	5,633	12,300	30,001	2,407	182,539	274,723	95,121	—	—	7,864	44,049	97,567

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 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
5 - 14 employed .....	8	190	420	825	87	8,083	11,978	4,428	x	x	236	1,060	4,432
15 - 49 " .....													
50 - 99 " .....		3	185	438	707	58	6,070	8,672	2,749	—	—	251	1,065
100-199 " .....	3	280	617	962	189	7,441	11,363	4,070	—	—	410	1,707	4,020
200-499 " .....	3	1,793	3,874	8,681	843	54,038	79,897	25,554	—	—	2,400	12,400	25,584
500 employed and over .....	8	2,613	6,029	14,291	1,159	70,832	115,268	42,443	—	—	3,902	22,333	44,291
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	25	5,061	11,379	25,466	2,336	146,464	227,178	79,243	x	x	7,199	38,565	81,210
1965													
Under 5 employed .....	—	—	—	—	—	—	—	—	—	—	—	—	—
5 - 14 employed .....	3	19	40	59	4	1,238	1,684	555	—	—	28	94	562
15 - 49 " .....	3	80	166	422	51	4,350	6,622	1,661	—	—	103	547	1,659
50 - 99 " .....	4	248	533	1,139	110	8,971	13,552	4,650	—	—	305	1,504	4,899
100-199 " .....	4	463	979	1,686	237	13,499	19,455	6,222	—	—	623	2,617	6,157
200-499 " .....	8	1,917	4,121	9,799	824	65,060	93,572	28,699	—	—	2,585	13,621	28,699
500 employed and over .....	3	2,906	6,461	16,897	1,181	89,422	139,839	53,334	—	—	4,220	25,666	55,590
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	25	5,633	12,300	30,001	2,407	182,539	274,723	95,121	—	—	7,864	44,049	97,567

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

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1964</b>													
Individual ownerships .....	25	5,061	11,379	25,466	2,336	146,464	227,178	79,243	x	x	7,199	38,565	81,210
Partnerships .....													
Incorporated companies .....													
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>25</b>	<b>5,061</b>	<b>11,379</b>	<b>25,466</b>	<b>2,336</b>	<b>146,464</b>	<b>227,178</b>	<b>79,243</b>	<b>x</b>	<b>x</b>	<b>7,199</b>	<b>38,565</b>	<b>81,210</b>
<b>1965</b>													
Individual ownerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Partnerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies .....	25	5,633	12,300	30,001	2,407	182,539	274,723	95,121	—	—	7,864	44,049	97,567
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>25</b>	<b>5,633</b>	<b>12,300</b>	<b>30,001</b>	<b>2,407</b>	<b>182,539</b>	<b>274,723</b>	<b>95,121</b>	<b>—</b>	<b>—</b>	<b>7,864</b>	<b>44,049</b>	<b>97,567</b>

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
<b>\$'000</b>						
<b>Output</b>						
1. Shipments and other revenue .....	227,178	274,723	7,828	8,187	235,006	282,910
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	11,358	17,797	...	...	11,358	17,797
Finished goods .....	21,275	19,873	...	...	21,275	19,873
Deduct opening—Goods in process .....	9,169	13,116	...	...	9,169	13,116
Finished goods .....	22,598	19,209	...	...	22,598	19,209
2. Net inventory change .....	866	5,345	...	...	866	5,345
3. Gross output (1 + 2) .....	228,044	280,068	7,628	8,187	235,672	288,255
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	5,243	4,771	5,243	4,771
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	287	310	287	310
Deduct closing .....	...	...	310	360	310	360
5. Cost of goods sold (not of own manufacture) .....	...	...	5,220	4,721	5,220	4,721
6. Materials, supplies, etc. ....	146,464	182,539	642	1,021	147,106	183,560
7. Fuel and electricity .....	2,336	2,407	...	...	2,336	2,407
8. Gross input (5 + 6 + 7) .....	148,800	184,946	5,862	5,742	154,662	190,608
Value added (3 - 8) .....	79,243	95,121	1,966	2,446	81,210	97,567



TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distri- bution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female					
	number										\$'000				
1964															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	x	-	-	-	x	x	-	-	x	x	x	-	x	-	x
New Brunswick .....	x	-	-	-	x	x	-	-	x	x	x	-	x	-	x
Quebec .....	1,885	165	-	-	678	126	53	7	2,616	298	10,984	-	5,586	368	16,936
Ontario .....	2,641	106	-	-	755	215	192	48	3,588	369	13,329	-	5,594	1,219	20,142
Manitoba .....	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x
Saskatchewan .....	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	4,787	274	-	-	1,476	350	255	57	6,518	681	25,466	-	11,447	1,651	38,565
1965															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	x	-	-	-	x	x	-	-	x	x	x	-	x	-	x
New Brunswick .....	x	-	-	-	x	x	-	-	x	x	x	-	x	-	x
Quebec .....	2,210	155	-	-	727	131	54	9	2,991	295	13,664	-	6,107	411	20,181
Ontario .....	2,812	109	-	-	766	220	202	55	3,780	384	14,709	-	5,632	1,496	21,837
Manitoba .....	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x
Saskatchewan .....	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	5,365	268	-	-	1,537	362	266	66	7,168	696	30,001	-	12,067	1,980	44,049

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 .....	4,575	261	4,978	276
February .....	4,596	265	5,101	274
March .....	4,632	281	5,186	271
April .....	4,669	273	5,212	265
May .....	4,737	277	5,305	273
June .....	4,861	273	5,413	286
July .....	4,798	287	5,301	259
August .....	4,898	261	5,455	258
September .....	4,894	263	5,549	267
October .....	4,904	268	5,586	269
November .....	4,940	280	5,648	262
December .....	4,907	259	5,639	273
Averages .....	4,787	274	5,365	268
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments .....	4,787	274	5,365	268

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 .....	x	x	x	x	—	x
New Brunswick .....	x	—	x	x	—	x
Quebec .....	5,151	6,399	6,209	17,759	13	17,772
Ontario .....	6,747	6,286	11,009	24,042	286	24,329
Manitoba .....	x	—	x	x	x	x
Saskatchewan .....	x	x	x	x	x	x
Alberta .....	—	—	—	—	—	—
British Columbia .....	x	x	x	x	—	x
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	13,574	13,116	19,209	45,899	310	46,209
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	x	x	x	x	—	x
New Brunswick .....	x	x	x	x	—	x
Quebec .....	6,779	8,695	6,847	22,321	59	22,380
Ontario .....	7,965	8,505	11,323	27,793	302	28,095
Manitoba .....	x	—	x	x	—	x
Saskatchewan .....	x	—	x	x	—	x
Alberta .....	—	—	—	—	—	—
British Columbia .....	x	x	x	x	—	x
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	16,550	17,797	19,873	54,220	360	54,580

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	41	—	—
(b) Imported .....	"	23,709	22,636	278
Sub-bituminous coal (from Alberta mines only) .....	"	—	—	—
Anthracite coal .....	"	—	—	—
Lignite coal .....	"	—	—	—
Coke .....	"	—	—	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	235,429	247,729	90
Fuel oil including kerosene or coal oil .....	"	4,624,213	4,398,785	357
Wood .....	cord	—	—	—
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	55,501	73,769	17
(b) Other manufactured gas .....	M cu. ft.	—	—	—
(c) Natural gas .....	"	288,479	332,898	255
Other fuel .....	...	11	...	1
Electricity purchased .....	kwh.	174,630,624	186,417,651	1,410
Steam purchased .....	...	—	...	—
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	—	...	—
3. All establishments:				
Total fuel and electricity used .....	...	2,336	...	2,407

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

Description	1964		1965	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Materials used:				
Aluminum:				
Castings .....	lb. 160,131	92	161,286	89
Wire rods .....	" 68,317,941	19,136	86,525,838	25,564
Sheets and strip .....	" 7,461,730	3,373	8,598,196	3,912
Other forms .....	... 2,167	...	...	2,637
Asbestos (yarn, tape, etc.) .....	lb. 202,972	221	207,870	231
Brass and bronze:				
Sheets and strip .....	" 55,722	39	197,331	145
Wire rods .....	" 321,792	179	306,749	193
Other forms .....	... 14	...	...	8
Chalk or whiting .....	lb. 2,277,930	65	5,117,896	139
China clay (Kaolin) .....	ton 5,386	219	5,182	223
Copper:				
Wire rods .....	lb. 194,131,148	68,790	232,137,981	92,384
Sheets and strip .....	" 788,500	386	823,058	445
Tubing and pipe .....	" 742,950	345	1,034,731	567
Wire, other insulated .....	... 578	...	...	123
Other forms .....	... 1,283	...	...	829
Cotton and linen, all forms (sheet, tape, yarn, etc.) .....	... 1,837	...	...	1,822
Fibreglass (yarn, tape, etc.) .....	... 599	...	...	522
Insulating varnishes, japans, enamels and lacquers .....	... 2,765	...	...	1,724
Iron and steel:				
Steel bars and rods .....	ton 5,010	627	2,810	425
Steel sheets and strip .....	" 2,903	814	2,089	819
Steel wire .....	" 12,946	3,635	22,709	4,380
Other iron and steel .....	... 633	...	...	505
Lead .....	... 352	...	...	217
Lead:				
Pig (pure) .....	lb. 8,219,837	1,044	7,920,223	1,203
Antimonial .....	" 1,778,475	250	1,991,383	344
Other .....	" 4,089,437	799	3,942,784	813
Lead oxide:				
Litharge .....	" 24,970	4	17,450	3
Red lead .....	" 230,573	88	275,991	102
Mica unfabricated forms .....	" 1,250 <sup>1</sup>	1	2,105	2
Paints, stains, lacquers, etc. (for finishing only) .....	... 460	...	...	476
Papers, insulating, all forms .....	... 2,385	...	...	2,968
Resins, synthetic (moulding powders, sheets, etc.):				
Vinyl type (PVC, etc.) .....	... 5,594	...	...	6,102
Polyethylene type (polythene, etc.) .....	... 5,732	...	...	7,734
Other (bakelite, nylon, orlon, etc.) .....	... 268	...	...	396
Resistance wire, ribbon and strip .....	lb. 24,504	44	44,102	70
Rubber .....	" 8,903,563	3,020	12,766,513	3,586
Sulphuric acid, 100% .....	" 387,834	4	552,940	8
Talc .....	" 193,590	3	233,670	9
Tin .....	" 172,927	278	203,699	391
Zinc oxide .....	" 931,230	140	1,070,570	174
All other materials and components used .....	... 11,297 <sup>1</sup>	...	...	11,579
2. Containers and other packaging materials and supplies used .....	... 2,094	...	...	2,666
3. Operating, maintenance and repair supplies used (excluding fuel) .....	... 4,793	...	...	5,209
4. Amount paid out to others for work done on materials owned by establishments .....	... 14	...	...	801
Totals .....	... 146,464	...	...	182,539

<sup>1</sup> No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$211,000 in 1964.



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

Description	Value	
	1964	1965
	\$'000	
1. Products:		
Telephone cables — Exchange, toll and toll entrance .....	42,586	55,683
Telephone wires insulated (drop wires, inside wires, other telephone wires) .....	7,983	9,004
Telephone switchboard wires and cables .....	8,228	9,795
Television and radio wires and cables .....	4,434	4,648
Telephone cordage .....	1	1
Bare wires and cables (other than copperweld and aluminum) .....	12,313	14,218
Bare copperweld wires and cables and copperweld-copper strands .....	966	254
Bare ACSR and aluminum wires and cables .....	20,990	28,471
Annunciator and office wires and cables .....	194	749
Magnet wires:		
Thin film insulated .....	16,861	21,077
Other than thin film insulated .....	5,280	6,339
Weatherproof wires .....	4,566	4,538
Power cables (copper or aluminum conductors) .....	16,296	23,108
Signal and control cables .....	3,097	3,500
Portable and power supply cables .....	5,894	6,308
Building wires:		
Non-metallic sheathed cables .....	13,110	13,968
Flexible armoured building cables .....	7,672	7,992
Other building wires (exclusive of types covered preceding two items) .....	19,114	20,983
Flexible cords and fixture wires .....	6,415	7,414
Service and service entrance cables .....	3,311	3,716
Other wires and cables, including mineral insulated, asbestos covered, rubber and plastic insulated wires and cables not otherwise provided for .....	13,020	15,891
All other products .....	22,558	22,602
2. Amount received in payment for work done on materials and products owned by others .....	22	33
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	(7,735)	(7,565)
Net adjustment for establishments receiving progress payments .....	—	—
Total adjusted value of shipments and work done .....	227,178	274,732

<sup>1</sup> Included with "Other wires and cables".

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

Item	Value	
	1964	1965
	\$'000	
Telephone cables — Exchange, toll and toll entrance .....	42,586	55,683
Telephone wires, insulated (drop wires, inside wires, other telephone wires) .....	7,983 <sup>1</sup>	9,004
Telephone switchboard wires and cables .....	8,228	9,795
Television and radio wires and cables .....	4,434	4,648
Telephone cordage .....	1	1
Bare wires and cables (other than copperweld and aluminum) .....	12,313	14,218
Bare copperweld wires and cables and copperweld-copper strands .....	966	254
Bare ACSR and aluminum wires and cables .....	20,990	28,471
Annunciator and office wires and cables .....	194	749
Magnet wires:		
Thin film insulated .....	16,861	21,077
Other than thin film insulated .....	5,280	6,339
Weatherproof wires .....	4,566	4,538
Power cables (copper or aluminum conductors) .....	16,296	23,108
Signal and control cables .....	3,097	3,500
Portable and power supply cables .....	5,894	6,308
Building wires:		
Non-metallic sheathed cables .....	13,110	13,968
Flexible armoured building cables .....	7,672	7,992
Other building wires (exclusive of types covered by preceding two items) .....	19,114	20,983
Flexible cords and fixture wires .....	6,415	7,414
Service and service entrance cables .....	3,311	3,716
Other wires and cables not otherwise provided for .....	13,020	15,891
Totals .....	212,330 <sup>1</sup>	259,656

<sup>1</sup> Included with "Other wire and cables".



**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
<b>Nova Scotia:</b>	
Phillips Cables Limited .....	Dartmouth
<b>New Brunswick:</b>	
Canada Wire and Cable Company Limited .....	Lancaster
<b>Quebec:</b>	
Aluminum Company of Canada Limited .....	Shawinigan
Northern Electric Company Limited .....	150 Montreal-Toronto Blvd., Lachine
Phillips Cables Limited .....	5795 De Gaspé Ave., Montreal
Pirelli Cables Ltd. ....	77 Richelieu St., St. Johns
Royal Electric Co. (Que.) Ltd. ....	Pointe Claire
Universal Wire & Cable Co. Ltd., The .....	9250 Hochelaga St., Montreal
<b>Ontario:</b>	
Amphenol Canada Ltd. ....	Renfrew
Boston Insulated Wire & Cable Co. Ltd. ....	118 Shaw St., Hamilton
Canada Wire and Cable Company Limited .....	Simcoe
Canada Wire and Cable Company Limited .....	147 Laird Dr., Leaside
Canadian General Electric Co., Ltd. ....	107 Park St., Peterborough
Federal Wire and Cable Co. Ltd. ....	Guelph
General Wire & Cable Ltd. ....	Cobourg
Industrial Wire & Cable Co. Ltd. ....	Index Rd., Toronto 18
Phillips Cables Limited .....	Brockville
Phillips R.A., Manufacturing Co. ....	113 Breithaupt St., Kitchener
Pyrotex of Canada Ltd. ....	Trenton
Triangle Conduit & Cable (Canada) Ltd. ....	756 Warden Ave., Scarborough
<b>Manitoba:</b>	
Telecables & Wires Ltd. ....	1395 Buffalo Place, Winnipeg
<b>Saskatchewan:</b>	
Canada Wire and Cable Company Limited .....	Weyburn
<b>British Columbia:</b>	
Canada Wire and Cable Co. Ltd. ....	Prince George
Canada Wire and Cable Company Limited .....	917 Cliveden Ave., New Westminster
Phillips Cables Limited .....	8330 Chester St., 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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