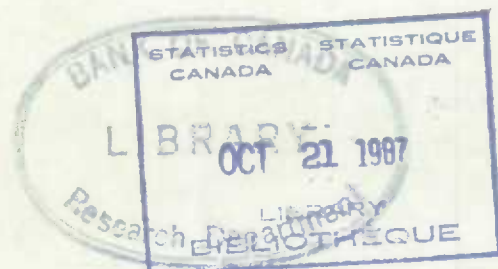


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# MANUFACTURERS OF ELECTRIC WIRE AND CABLE 1963

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## MANUFACTURERS OF ELECTRIC WIRE AND CABLE

### 1963

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

For statistical purposes the industry titled 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.

### SYMBOLS

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

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

— amount too small to be expressed.

p preliminary figures.

r revised figures.

x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1 A. Principal Statistics classified by Province, 1962 and 1963

Year and province	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	25	4,403	9,675	19,888	1,834	103,253	163,300'	62,983'	—	—	6,541	31,504	64,158'
1962													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	1	1,879	4,095	9,333	727	49,245	82,381	33,400	—	—	2,913	15,739	34,141
New Brunswick	1												
Quebec	6												
Ontario	11	2,804	6,235	12,741	1,636	66,037	98,637'	31,914'	—	—	3,921	19,023	31,912'
Manitoba	2												
Saskatchewan	1												
Alberta	—	2											
British Columbia	2												
Yukon and Northwest Terri-tories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	24	4,683	10,330	22,074	2,363	115,282	181,018'	65,315'	—	—	6,834	34,762	86,053'
1963													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	1	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	1	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	6	1,889	4,251	9,734	734	52,153	85,788	33,459	—	—	2,804	15,799	34,238
Ontario	11	2,627	5,836	12,673	1,239	63,490	92,763	28,632	—	—	3,716	18,996	29,058
Manitoba	2	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	1	x	x	x	x	x	x	x	x	x	x	x	x
Alberta	—	—	—	—	—	—	—	—	—	—	—	—	—
British Columbia	2	x	x	x	x	x	x	x	x	x	x	x	x
Yukon and Northwest Terri-tories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	24	4,745	10,585	23,321	2,098	127,582	195,445	65,883	—	—	8,811	36,821	68,094



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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000.....	4	94	219	288	34	1,127	1,930	782	—	—	130	457	777
\$ 10,000 to \$ 24,999.....													
25,000 " 49,999.....													
50,000 " 99,999.....													
100,000 " 199,999.....													
200,000 " 499,999.....	10	667	1,334	2,597	274	13,811	24,539	11,037	—	—	883	3,606	11,012
500,000 " 999,999.....													
1,000,000 " 4,999,999.....	10	3,922	8,777	19,189	2,056	100,343	154,549	53,496	—	—	5,821	30,699	54,264
5,000,000 and over.....													
Head offices, sales offices and auxiliary units.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals.....	24	4,683	10,330	22,074	2,363	115,282	181,018	65,315	—	—	6,834	34,762	66,053
1963													
Under \$10,000.....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999.....	3	44	88	153	17	771	1,286	452	—	—	62	244	472
500,000 " 999,999.....													
1,000,000 " 4,999,999.....	10	617	1,373	2,198	274	17,739	26,196	8,371	—	—	822	3,247	8,412
5,000,000 and over.....	11	4,084	9,124	20,971	1,807	109,072	167,963	58,061	—	—	5,927	32,529	59,210
Head offices, sales offices and auxiliary units.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals.....	24	4,745	10,585	23,321	2,098	127,582	195,445	66,883	—	—	6,811	36,021	68,094

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000.....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999.....	3	40	80	150	22	721	1,100	373	—	—	59	233	368
100,000 " 199,999.....													
200,000 " 499,999.....													
500,000 " 999,999.....	6	228	530	833	85	6,246	9,346	3,207	—	—	283	1,118	3,200
1,000,000 " 4,999,999.....													
5,000,000 and over.....	15	4,415	9,721	21,091	2,256	108,315	170,573	61,735	—	—	6,492	33,411	62,485
Head offices, sales offices and auxiliary units.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	24	4,683	10,330	22,074	2,363	115,282	181,018	65,315	—	—	6,834	34,762	66,053
1963													
Under \$10,000.....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999.....	6	213	519	685	95	5,916	7,508	1,505	—	—	268	969	1,594
100,000 " 199,999.....													
200,000 " 499,999.....													
500,000 " 999,999.....	3	111	243	411	58	6,892	9,085	2,112	—	—	126	486	2,110
1,000,000 " 4,999,999.....													
5,000,000 and over.....	15	4,421	9,823	22,225	1,946	114,774	178,852	63,266	—	—	6,417	34,566	64,390
Head offices, sales offices and auxiliary units.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	24	4,745	10,585	23,321	2,098	127,582	195,445	66,883	—	—	6,611	36,021	68,094

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1962</b>													
Under \$10,000.....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999.....	3	40	80	150	22	721	1,100	373	—	—	59	233	368
100,000 " 199,999.....	6	228	530	833	85	6,246	9,346	3,207	—	—	283	1,118	3,200
200,000 " 499,999.....	6	228	530	833	85	6,246	9,346	3,207	—	—	283	1,118	3,200
500,000 " 999,999.....	15	4,415	9,721	21,091	2,256	108,315	170,573	61,735	—	—	6,492	33,411	62,485
1,000,000 " 4,999,999.....	15	4,415	9,721	21,091	2,256	108,315	170,573	61,735	—	—	6,492	33,411	62,485
5,000,000 and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>24</b>	<b>4,683</b>	<b>10,330</b>	<b>22,074</b>	<b>2,363</b>	<b>115,282</b>	<b>181,018</b>	<b>65,315</b>	—	—	<b>8,834</b>	<b>34,762</b>	<b>66,053</b>
<b>1963</b>													
Under \$10,000.....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999.....	6	213	519	685	95	5,916	7,508	1,505	—	—	268	969	1,594
100,000 " 199,999.....	6	213	519	685	95	5,916	7,508	1,505	—	—	268	969	1,594
200,000 " 499,999.....	3	111	243	411	58	6,892	9,085	2,112	—	—	126	486	2,110
500,000 " 999,999.....	3	111	243	411	58	6,892	9,085	2,112	—	—	126	486	2,110
1,000,000 " 4,999,999.....	15	4,421	9,823	22,225	1,946	114,774	178,852	63,266	—	—	6,417	34,566	64,390
5,000,000 and over.....	15	4,421	9,823	22,225	1,946	114,774	178,852	63,266	—	—	6,417	34,566	64,390
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>24</b>	<b>4,745</b>	<b>10,585</b>	<b>23,321</b>	<b>2,096</b>	<b>127,582</b>	<b>195,445</b>	<b>66,883</b>	—	—	<b>6,811</b>	<b>36,021</b>	<b>68,094</b>

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1962</b>													
Under 5 employed.....	—	—	—	—	—	—	—	—	—	—	—	—	—
5- 14 ".....	8	107	241	440	74	5,137	6,912	1,956	—	—	145	610	1,949
15- 49 ".....	5	267	657	1,011	87	5,305	9,164	3,858	—	—	348	1,326	3,848
50- 99 ".....	3	299	850	1,169	227	9,198	13,437	4,093	—	—	433	1,931	4,129
100-199 ".....	7	1,478	3,057	6,706	721	38,137	60,154	20,858	—	—	2,113	10,234	20,812
200-499 ".....	3	2,512	5,724	12,747	1,254	57,505	91,351	34,551	—	—	3,795	20,661	35,314
500 employed and over.....	3	2,512	5,724	12,747	1,254	57,505	91,351	34,551	—	—	3,795	20,661	35,314
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>24</b>	<b>4,683</b>	<b>10,330</b>	<b>22,074</b>	<b>2,363</b>	<b>115,282</b>	<b>181,018</b>	<b>65,315</b>	—	—	<b>6,834</b>	<b>34,762</b>	<b>66,053</b>
<b>1963</b>													
Under 5 employed.....	—	—	—	—	—	—	—	—	—	—	—	—	—
5- 14 ".....	7	155	330	629	82	7,672	11,053	3,320	—	—	196	844	3,339
15- 49 ".....	4	251	611	821	103	7,165	9,655	2,388	—	—	314	1,143	2,467
50- 99 ".....	3	308	656	1,220	175	10,214	14,873	4,830	—	—	458	2,066	4,864
100-199 ".....	3	308	656	1,220	175	10,214	14,873	4,830	—	—	458	2,066	4,864
200-499 ".....	7	1,591	3,365	7,567	718	43,558	64,810	21,831	—	—	2,147	10,970	21,738
500 employed and over.....	3	2,440	5,623	13,085	1,020	58,973	95,054	34,513	—	—	3,696	20,997	35,686
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>24</b>	<b>4,745</b>	<b>10,585</b>	<b>23,321</b>	<b>2,096</b>	<b>127,582</b>	<b>195,445</b>	<b>66,883</b>	—	—	<b>6,811</b>	<b>36,021</b>	<b>68,094</b>

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

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		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1962</b>													
Individual ownerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Partnerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies .....	24	4,683	10,330	22,074	2,363	115,282	181,018*	65,315*	—	—	6,834	34,762	66,053*
Cooperatives .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>24</b>	<b>4,683</b>	<b>10,330</b>	<b>22,074</b>	<b>2,363</b>	<b>115,282</b>	<b>181,018*</b>	<b>65,315*</b>	<b>—</b>	<b>—</b>	<b>6,834</b>	<b>34,762</b>	<b>66,053*</b>
<b>1963</b>													
Individual ownerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Partnerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies .....	24	4,745	10,585	23,321	2,098	127,582	195,445	66,883	—	—	6,811	36,021	68,094
Cooperatives .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>24</b>	<b>4,745</b>	<b>10,585</b>	<b>23,321</b>	<b>2,098</b>	<b>127,582</b>	<b>195,445</b>	<b>66,883</b>	<b>—</b>	<b>—</b>	<b>6,811</b>	<b>36,021</b>	<b>68,094</b>

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1962	1963	1962	1963	1962	1963
\$'000						
<b>Output</b>						
1. Shipments and other revenue .....	181,018*	195,445	6,361	6,477	187,379	201,922
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	8,013	9,169	...	...	8,013	9,169
Finished goods .....	22,351	22,598	...	...	22,351	22,598
Less opening—Goods in process .....	7,945	8,162	...	...	7,945	8,162
Finished goods .....	20,477	22,487	...	...	20,477	22,487
2. Net inventory change .....	1,942	1,118	...	...	1,942	1,118
3. Gross output (1 + 2) .....	182,960*	196,563	6,361	6,477	189,321	203,040
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	4,720	4,887	4,720	4,887
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	262	153	262	153
Less closing .....	...	...	294	287	294	287
5. Cost of goods sold (not of own manufacture) .....	...	...	4,688	4,753	4,688	4,753
6. Materials, supplies, components and semi-processed goods	115,282*	127,582	935	512	116,217	128,094
7. Fuel and electricity .....	2,363	2,098	...	...	2,363	2,098
8. Gross input (5 + 6 + 7) .....	117,645	129,680	5,623	5,265	123,268	134,945
<b>Census value added (3-8) .....</b>	<b>65,315*</b>	<b>66,883</b>	<b>738</b>	<b>1,211</b>	<b>66,053</b>	<b>68,094</b>



TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages				
	Production and related workers				Administrative and office		Sales and distribution		Total employees		Production and related workers		Administrative and office	Sales and distribution	Total salaries and wages
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female					
	number										\$'000				
1962															
Newfoundland .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia .....	1,746	133	—	—	747	134	127	26	2,620	293	9,333	—	5,498	907	15,738
New Brunswick .....															
Quebec .....	2,697	107	—	—	731	205	139	42	3,567	354	12,741	—	5,270	1,013	19,024
Ontario .....															
Manitoba .....															
Saskatchewan .....															
Alberta .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
British Columbia .....															
Yukon and Northwest Territories .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	4,443	240	—	—	1,478	339	286	68	6,187	647	22,074	—	10,769	1,919	34,762
1963															
Newfoundland .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia .....	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick .....	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Quebec .....	1,741	148	—	—	642	116	133	24	2,516	288	9,734	—	5,130	935	15,799
Ontario .....	2,518	109	4	—	682	203	159	41	3,363	353	12,673	10	5,200	1,113	18,996
Manitoba .....	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan .....	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Alberta .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
British Columbia .....	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Yukon and Northwest Territories .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	4,484	261	4	—	1,367	328	300	67	6,155	656	23,321	10	10,593	2,087	36,021

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

Month	Establishments reporting monthly detail			
	1962		1963	
	Male	Female	Male	Female
	number			
January .....	4,268	213	4,368	255
February .....	4,338	213	4,434	257
March .....	4,346	235	4,358	257
April .....	4,411	237	4,472	270
May .....	4,543	249	4,511	275
June .....	4,653	255	4,610	262
July .....	4,551	240	3,971	239
August .....	4,402	238	4,584	246
September .....	4,527	246	4,691	260
October .....	4,458	249	4,631	268
November .....	4,436	259	4,616	272
December .....	4,381	243	4,588	267
Average for establishments reporting monthly detail (collected only for large establishments) .....	4,443	240	4,484	261
Average for small establishments (only annual averages collected) .....	...	...	...	...
Average for all establishments .....	4,443	240	4,484	261

TABLE 4. Industry Inventories, 1963

Province	Manufacturing				Non-manufacturing	Total inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	x	x	x	x	x	x
New Brunswick .....	x	x	x	x	x	x
Quebec .....	4,471	4,501	5,765	14,737	3	14,739
Ontario .....	4,080	3,355	15,295	22,730	151	22,880
Manitoba .....	x	x	x	x	x	x
Saskatchewan .....	x	x	x	x	x	x
Alberta .....	—	—	—	—	—	—
British Columbia .....	x	x	x	x	x	x
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	9,575	8,162	22,487	40,223	153	40,377
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	x	x	x	x	x	x
New Brunswick .....	x	x	x	x	x	x
Quebec .....	4,283	4,823	6,001	15,107	6	15,113
Ontario .....	4,119	4,122	15,127	23,367	281	23,649
Manitoba .....	x	x	x	x	x	x
Saskatchewan .....	x	x	x	x	x	x
Alberta .....	—	—	—	—	—	—
British Columbia .....	x	x	x	x	x	x
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	9,846	9,169	22,588	41,613	287	41,900

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

Description	1962		1963	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments which reported commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	2,040	39	—
(b) Imported .....	"	19,747	20,057	250
Sub-bituminous coal (from Alberta mines only) .....	"	—	—	—
Anthracite coal .....	"	—	—	—
Lignite coal .....	"	—	—	—
Coke .....	"	—	—	—
Gasoline (including gasoline used in cars and trucks) ..	Imp. gal.	257,422	89	225,982
Fuel oil including kerosene or coal oil .....	"	6,458,368	610	4,175,210
Wood .....	cord	—	—	—
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	33,764	6	45,342
(b) Other manufactured gas .....	M cu. ft.	—	—	—
(c) Natural gas .....	"	206,829	203	205,449
Other fuel .....		20	...	13
Electricity purchased .....	kwh.	144,134,883	1,161	150,183,679
Steam purchased .....		...	...	—
2. Estimate for small establishments:				
Fuel and electricity .....		4	...	—
3. All establishments:				
<b>Total fuel and electricity used</b> .....		<b>2,363</b>	...	<b>2,098</b>

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

Description	1962		1963	
	Quantity	Cost \$'000	Quantity	Cost \$'000
<b>1. Materials used:</b>				
Aluminum:				
Castings .....	lb.	279, 555	388, 513	223
Wire rods .....	"	54, 988, 892	73, 188, 647	20, 520
Sheets and strip .....	"	5, 113, 696	6, 221, 491	2, 859
Other forms .....	"	...	...	615
Asbestos (yarn, tape, etc.) .....	lb.	150, 818	145, 112	151
Brass and bronze:				
Sheets and strip .....	"	50, 881	25, 112	17
Wire rods .....	"	328, 855	210, 434	110
Other forms .....	"	...	...	18
Chalk or whiting .....	lb.	1, 769, 975	2, 703, 800	88
China clay (Kaolin) .....	ton	1, 349	1, 864	84
Copper:				
Wire rods .....	lb.	163, 483, 931	171, 910, 202	58, 015
Sheets and strip .....	"	806, 210	550, 053	275
Tubing and pipe .....	"	736, 069	713, 457	361
Wire, other insulated .....	"	...	...	380
Other forms .....	"	1, 308	...	1, 042
Cotton and linen, all forms (sheet, tape, yarn etc.) .....	"	...	...	1, 887
Fibreglass (yarn, tape, etc.) .....	"	...	...	195
Insulating varnishes, japans, enamels and lacquers .....	"	1, 340	...	1, 160
Jutes .....	"	231	...	292
Papers, insulating, all forms .....	"	1, 376	...	2, 063
Iron and steel:				
Steel bars and rods .....	ton	2, 273	597	538
Steel sheet and strip .....	"	1, 814	2, 247	694
Steel wire .....	"	12, 267	14, 601	4, 074
Other iron and steel .....	"	...	...	124
Lead:				
Pig (pure) .....	lb.	9, 723, 621	9, 489, 921	1, 046
Antimonial .....	"	1, 017, 505	2, 088, 191	237
Other .....	"	3, 372, 583	2, 735, 488	303
Lead oxide:				
Litharge .....	"	14, 518	15, 160	4
Red lead .....	"	88, 880	152, 055	63
Mica unfabricated forms .....	"	7, 400	13, 900	2
Paints, stains, lacquers, etc. (for finishing only) .....	"	450	...	504
Resins synthetic (moulding powders, sheets, etc.):				
Vinyl type (PVC, etc.) .....	"	4, 656	...	5, 383
Polyethylene type (polythene, etc.) .....	"	6, 321	...	5, 493
Other (bakelite, nylon, orlon, etc.) .....	"	745	...	452
Resistance wire, ribbon and strip .....	lb.	12, 565	14, 641	42
Rubber .....	"	8, 988, 085	8, 885, 828	2, 644
Sulphuric acid, 100% .....	"	253, 320	372, 861	6
Talc .....	"	189, 320	250, 660	8
Tin .....	"	229, 752	136, 833	159
Zinc oxide .....	"	578, 306	730, 484	142
All other materials and components used <sup>1</sup> .....	"	6, 807	...	9, 143
<b>2. Containers and other packaging materials and supplies used .....</b>				
<b>3. Operating, maintenance and repair supplies used (excluding fuel) .....</b>				
<b>4. Amount paid out to others for work done on materials owned by establishments .....</b>				
<b>Totals .....</b>	<b>...</b>	<b>115, 282</b>	<b>...</b>	<b>127, 582</b>

<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 \$180,000 in 1962 and \$275,000 in 1963.



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

Description	Value	
	1962	1963
	\$'000	
1. Products:		
Telephone cables:		
Exchange, toll and entrance .....	31,318	33,508
Telephone wires insulated (drop wires, inside wires, other telephone wires) .....	7,509	7,703
Telephone switchboard wires and cables .....	6,736	7,742
Television and radio wires and cables .....	2,577	3,040
Telephone cordage .....	1	1
Bare wires and cables (other than copperweld and aluminum) .....	7,401	9,877
Bare copperweld wires and cables and copperweld-copper strands .....	538	603
Bare ACSR and aluminum wires and cables .....	16,265	22,479
Annunciator and office wires and cables .....	170	179
Magnet wires:		
Thin film insulated .....	14,551	15,461
Other than thin film insulated .....	3,187	3,528
Weatherproof wires .....	4,565	4,359
Power cables (copper or aluminum conductors) .....	14,659	15,668
Signal and control cables .....	3,092	4,067
Portable and power supply cables .....	5,083	3,489
Building wires:		
Non-metallic sheathed cables .....	10,269	10,413
Flexible armoured building cables .....	5,922	6,233
Other building wires (exclusive of types in preceding two items) .....	14,873	14,853
Flexible cords and fixture wires .....	4,068	5,902
Service and service entrance cables .....	3,112	3,169
Other wires and cables, including mineral insulated, asbestos covered, rubber and plastic insulated wires and cables not otherwise provided for .....	10,760	9,310
All other products .....	19,729	17,868
2. Amount received in payment for work done on materials and products owned by others .....	8	-
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	(5,374) <sup>r</sup>	(4,006)
Net adjustment for establishments receiving progress payments .....	-	-
Total adjusted value of shipments and work done .....	181,018 <sup>r</sup>	195,445

<sup>r</sup> Included with other wires and cables.

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

Electrical Wires and Cable

Item	Value	
	1962	1963
	\$'000	
Telephone cables:		
Exchange .....	31,318	33,508
Toll and toll entrance .....		
Telephone wires, insulated (drop wires, inside wires, other telephone wires) .....	7,509	7,703
Telephone switchboard wires and cables .....	6,736	7,742
Television and radio wires and cables .....	2,577	3,040
Telephone cordage .....	746	1
Bare wires and cables (other than copperweld and aluminum) .....	7,401	9,877
Bare copperweld wires and cables and copperweld-copper strands .....	538	603
Bare ACSR and aluminum wires and cables .....	16,265	22,479
Annunciator and office wires and cables .....	170	179
Magnet wires:		
Thin film insulated .....	14,551	15,461
Other than thin film insulated .....	3,187	3,528
Weatherproof wires .....	4,565	4,359
Power cables (copper or aluminum conductors) .....	14,659	15,668
Signal and control cables .....	3,092	4,067
Portable and power supply cables .....	5,083	3,489
Building wires:		
Non-metallic sheathed cables .....	10,270	10,413
Flexible armoured building cables .....	5,922	6,233
Other building wires (exclusive of types covered by preceding two items) .....	14,873	14,853
Flexible cords and fixture wires .....	4,068	5,902
Service and service entrance cables .....	3,113	3,169
Other wires and cables not otherwise provided for .....	10,400	9,316
Totals .....	167,043	181,583

<sup>r</sup> Included with "other wire and cables".



**List of Establishments classified to This Industry, 1963**

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

Name	Location
<b>Nova Scotia:</b>	
Phillips Electrical Company, 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.....	Lachine
Phillips Electrical Company, Limited.....	5795 De Gaspé Ave., Montreal
Pirelli Cables Conduits Ltd. ....	St. Johns
Royal Electric Co. (Que.) Ltd. ....	Pointe Claire
Universal Wire & Cable Co. Ltd. The.....	9250 Hochelaga St., Montreal 5
<b>Ontario:</b>	
Amphinol 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 Company, Limited .....	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 Electrical Company, Limited .....	Brockville
Protenax of Canada Ltd. ....	Trenton
Triangle Conduit & Cable (Canada) Ltd. ....	756 Warden Ave., Scarborough
<b>Manitoba:</b>	
Canada Wire and Cable Company, Limited .....	Fort Garry
Telecables & Wires Ltd. ....	Fort Garry
<b>Saskatchewan:</b>	
Canada Wire and Cable Company, Limited .....	Weyburn
<b>British Columbia:</b>	
Canada Wire and Cable Company, Limited .....	Annacis Island, New Westminster
Phillips Electrical Company, 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 58 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 178 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

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

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

The results of the Census are presented in some 140 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures: (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the various 1963 reports reflect the complete implementation of these changes and enable comparisons to be made with the years 1961 and 1962. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

### Establishment

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

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

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

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



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

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

#### **Head Offices and Auxiliary Units**

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

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

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

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the

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

#### **Employees**

##### **(a) Production and related workers – Manufacturing activity**

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

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

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

##### **(c) Administrative and office employees**

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers,

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

#### (d) Sales and distribution workers

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

#### (e) Total Employees

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

#### Working Owners or Partners

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

#### Salaries and Wages

Salaries and wages refer to gross earnings of employees **before** deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages, bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any

other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

#### Fuel and Electricity

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

#### Materials and Supplies

##### (a) Manufacturing activities

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

##### (b) Non-manufacturing activities

###### 1. Purchases for re-sale as such

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

###### 2. Other materials and supplies used

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



fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

## **Shipments**

### **(a) General**

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

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

### **(b) Shipments of goods of own manufacture**

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

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

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity are collected by means of the Commodity questionnaire referred to earlier. Such shipments together

with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

### **(c) Shipments of goods not of own manufacture**

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

### **(d) Other revenue**

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

## **Inventories**

### **(a) Manufacturing activities**

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

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

**(b) Non-manufacturing activities**

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

**Value Added**

**(a) By manufacturing activities**

Figures are compiled by deducting the cost of materials and fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process).

**(b) By non-manufacturing activities**

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

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

**(c) By Total activities**

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



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