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# MOTOR VEHICLE MANUFACTURERS 1963

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ANNUAL

Motor Vehicle Manufacturers

1963

ERRATA

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Page 12, Table 6A

	Trucks and buses		Total	
	Number	Selling value at plant	Number	Selling value at plant
1962 - Reads .....	81,843	198,214	507,928	1,093,082
Should read .....	82,049	204,381	508,134	1,099,249



## MOTOR VEHICLE MANUFACTURERS

1963

Data presented in this report under the heading of Motor Vehicle Manufacturers 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 Motor Vehicle Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing or assembling complete motor vehicles such as passenger automobiles, commercial cars and buses, trucks, and special purpose motor vehicles such as ambulances and taxicabs.

## 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	17	16,167	35,929	84,681	5,085	804,350	870,942	276,151	—	—	25,183	141,113	328,643
1962													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	...	...	...	...	...	...	...	...	...	...	18	130	...
New Brunswick	...	...	...	...	...	...	...	...	...	...	134	746	...
Quebec	3	7,444	41,043	104,516	5,322	795,661'	1,161,782	365,574'	—	—	25,356	158,573	410,359'
Ontario	8												
Manitoba	2	x	x	x	x	x	x	x	—	—	x	x	x
Saskatchewan	...	...	...	...	...	...	...	...	...	...	157	910	...
Alberta	...	...	...	...	...	...	...	...	...	...	169	957	...
British Columbia	4	x	x	x	x	x	x	x	x	x	x	x	x
Yukon and Northwest Terri-tories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	17	17,997	42,239	106,775	5,394	806,480'	1,179,982	372,793'	—	—	27,001	166,918	417,608'
1963													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	1	x	x	x	x	x	x	x	—	—	x	x	x
New Brunswick	...	...	...	...	...	...	...	...	...	...	136	820	x
Quebec	3	x	x	x	x	x	x	x	—	—	x	x	x
Ontario	8	20,426	48,289	132,281	6,043	1,025,144	1,498,398	490,035	—	—	28,527	192,391	536,201
Manitoba	2	x	x	x	x	x	x	x	—	—	x	x	x
Saskatchewan	...	...	...	...	...	...	...	...	...	...	156	940	...
Alberta	...	...	...	...	...	...	...	...	...	...	183	1,095	...
British Columbia	4	294	602	1,449	60	8,056	14,165	6,167	—	—	745	4,030	6,278
Yukon and Northwest Terri-tories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	18	21,543	50,851	137,091	6,244	1,042,239	1,528,726	504,557	—	—	31,509	208,236	551,999



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.....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999.....	9	539	1,252	2,093	91	9,801	14,455	4,907	—	—	808	3,392	5,265
500,000 " 999,999.....													
1,000,000 " 4,999,999.....													
5,000,000 and over.....	8	17,458	40,987	104,681	5,303	796,679	1,165,527	367,886	—	—	23,614	146,879	416,356
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	2,579	16,648	(4,012)
Totals .....	17	17,997	42,239	106,775	5,394	806,480	1,179,982	372,793	—	—	27,001	166,918	417,609
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	139	326	465	24	952	1,969	954	—	—	162	587	1,014
500,000 " 999,999.....													
1,000,000 " 4,999,999.....													
5,000,000 and over.....	9	21,098	49,826	135,065	6,143	1,031,609	1,511,711	498,194	—	—	27,798	184,652	545,476
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	3,055	20,446	(26)
Totals .....	18	21,543	50,851	137,091	6,244	1,042,239	1,528,726	504,557	—	—	31,509	208,236	551,999

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.....	4	133	331	500	28	3,174	3,764	920	—	—	190	733	1,165
50,000 " 99,999.....													
100,000 " 199,999.....													
200,000 " 499,999.....	4	221	499	939	34	5,099	7,872	2,827	—	—	384	1,771	2,950
500,000 " 999,999.....													
1,000,000 " 4,999,999.....													
5,000,000 and over.....	5	1,582	3,407	7,223	474	48,675	67,562	17,244	—	—	2,366	11,575	19,685
Head offices, sales offices and auxiliary units.....	4	16,061	38,002	98,112	4,857	749,532	1,100,783	351,802	—	—	21,482	136,192	397,821
Totals .....	17	17,997	42,239	106,775	5,394	806,480	1,179,982	372,793	—	—	27,001	166,918	417,609
1963													
Under \$10,000.....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999.....	7	301	681	1,174	70	6,616	9,831	2,646	—	—	424	1,783	2,881
50,000 " 99,999.....													
100,000 " 199,999.....													
200,000 " 499,999.....	6	1,253	2,871	5,963	393	27,066	42,820	17,950	—	—	2,022	10,157	19,901
500,000 " 999,999.....													
1,000,000 " 4,999,999.....													
5,000,000 and over.....	5	19,989	47,299	129,955	5,781	1,008,557	1,476,075	483,961	—	—	26,008	175,850	529,243
Head offices, sales offices and auxiliary units.....	...	...	...	...	...	...	...	...	...	...	3,055	20,446	(26)
Totals .....	18	21,543	50,851	137,091	6,244	1,042,239	1,528,726	504,557	—	—	31,509	208,236	551,999



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.....	3	92	241	333	22	1,621	2,116	459	—	—	115	394	429
\$ 10,000 to \$ 24,999.....													
25,000 " 49,999.....													
50,000 " 99,999.....													
100,000 " 199,999.....													
200,000 " 499,999.....	5	262	589	1,106	40	6,652	9,520	3,287	—	—	459	2,110	3,686
500,000 " 999,999.....	4	1,244	2,687	5,533	249	37,234	51,377	12,517	—	—	1,818	8,610	14,014
1,000,000 " 4,999,999.....	5	16,399	38,722	99,803	5,082	760,973	1,116,968	356,529	—	—	22,030	139,157	403,492
5,000,000 and over.....													
Head offices, sales offices and auxiliary units.....											2,579	16,648	(4,012)
<b>Totals</b> .....	<b>17</b>	<b>17,997</b>	<b>42,239</b>	<b>106,775</b>	<b>5,394</b>	<b>806,480</b>	<b>1,179,982</b>	<b>372,793</b>	<b>—</b>	<b>—</b>	<b>27,001</b>	<b>166,918</b>	<b>417,609</b>
<b>1963</b>													
Under \$10,000.....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999.....	—	—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999.....	7	301	681	1,174	70	6,616	9,831	2,646	—	—	424	1,783	2,881
200,000 " 499,999.....													
500,000 " 999,999.....													
1,000,000 " 4,999,999.....	4	588	1,300	2,575	90	10,913	18,995	8,819	—	—	896	4,227	8,861
5,000,000 and over.....	7	20,654	48,870	133,342	6,084	1,024,710	1,499,900	493,091	—	—	27,134	181,780	540,283
Head offices, sales offices and auxiliary units.....											3,055	20,446	(26)
<b>Totals</b> .....	<b>18</b>	<b>21,543</b>	<b>50,851</b>	<b>137,091</b>	<b>6,244</b>	<b>1,042,239</b>	<b>1,528,726</b>	<b>504,557</b>	<b>—</b>	<b>—</b>	<b>31,509</b>	<b>208,236</b>	<b>551,999</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 ".....	7	279	638	1,064	63	5,692	8,310	2,979	—	—	411	1,816	3,361
15- 49 ".....													
50- 99 ".....													
100-199 ".....	4	777	1,779	3,327	104	13,839	22,850	8,516	—	—	1,204	5,383	9,994
200-499 ".....													
500 employed and over.....	6	16,941	39,822	102,384	5,227	786,949	148,822	361,299	—	—	22,807	143,072	408,265
Head offices, sales offices and auxiliary units.....											2,579	16,648	(4,012)
<b>Totals</b> .....	<b>17</b>	<b>17,997</b>	<b>42,239</b>	<b>106,775</b>	<b>5,394</b>	<b>806,480</b>	<b>1,179,982</b>	<b>372,793</b>	<b>—</b>	<b>—</b>	<b>27,001</b>	<b>166,918</b>	<b>417,609</b>
<b>1963</b>													
Under 5 employed.....	—	—	—	—	—	—	—	—	—	—	—	—	—
5- 14 ".....	—	—	—	—	—	—	—	—	—	—	—	—	—
15- 49 ".....	8	347	813	1,496	83	8,364	13,194	4,724	—	—	496	2,320	4,910
50- 99 ".....													
100-199 ".....													
200-499 ".....	4	859	1,999	3,853	140	12,290	22,693	11,572	—	—	1,314	6,153	12,788
500 employed and over.....													
Head offices, sales offices and auxiliary units.....	6	20,337	48,039	131,743	6,021	1,021,584	1,492,839	488,261	—	—	26,644	179,317	534,327
Head offices, sales offices and auxiliary units.....											3,055	20,446	(26)
<b>Totals</b> .....	<b>18</b>	<b>21,543</b>	<b>50,851</b>	<b>137,091</b>	<b>6,244</b>	<b>1,042,239</b>	<b>1,528,726</b>	<b>504,557</b>	<b>—</b>	<b>—</b>	<b>31,509</b>	<b>208,236</b>	<b>551,999</b>

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

Type of organization	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1962</b>													
Individual ownerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Partnerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies .....	17	17,997	42,239	106,775	5,394	806,480	1,179,982	372,793	—	—	24,422	150,271	421,621
Cooperatives .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	—	—	—	—	—	—	—	—	—	—	2,579	16,648	(4,012)
<b>Totals .....</b>	<b>17</b>	<b>17,997</b>	<b>42,239</b>	<b>106,775</b>	<b>5,394</b>	<b>806,480</b>	<b>1,179,982</b>	<b>372,793</b>	<b>—</b>	<b>—</b>	<b>27,001</b>	<b>166,918</b>	<b>417,609</b>
<b>1963</b>													
Individual ownerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Partnerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies .....	18	21,543	50,851	137,091	6,244	1,042,239	1,528,726	504,557	—	—	28,454	187,790	552,025
Cooperatives .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	—	—	—	—	—	—	—	—	—	—	3,055	20,446	(26)
<b>Totals .....</b>	<b>18</b>	<b>21,543</b>	<b>50,851</b>	<b>137,091</b>	<b>6,244</b>	<b>1,042,239</b>	<b>1,528,726</b>	<b>504,557</b>	<b>—</b>	<b>—</b>	<b>31,509</b>	<b>208,236</b>	<b>551,999</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
<b>\$'000</b>						
<b>Output</b>						
1. Shipments and other revenue .....	1,179,982	1,528,726	218,464	170,135	1,398,446	1,698,861
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	68,948	86,541	...	...	68,948	86,541
Finished goods .....	21,750	28,560	...	...	21,750	28,560
Less opening—Goods in process .....	55,666	68,996	...	...	55,666	68,996
Finished goods .....	30,348	21,791	...	...	30,348	21,791
2. Net inventory change .....	4,684	24,314	...	...	4,684	24,314
3. Gross output (1 + 2) .....	1,184,666	1,553,040	218,464	170,135	1,403,130	1,723,175
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	172,981	123,042	172,981	123,042
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	44,820	49,079	44,820	49,079
Less closing .....	...	...	49,078	54,245	49,078	54,245
5. Cost of goods sold (not of own manufacture) .....	...	...	168,723	117,876	168,723	117,876
6. Materials, supplies, components and semi-processed goods	806,480	1,042,239	4,925	4,816	811,405	1,047,055
7. Fuel and electricity .....	5,394	6,244	...	...	5,394	6,244
8. Gross input (5 + 6 + 7) .....	811,874	1,048,483	173,648	122,692	985,522	1,171,175
<b>Census value added (3-8) .....</b>	<b>372,793</b>	<b>504,557</b>	<b>44,816</b>	<b>47,443</b>	<b>417,609</b>	<b>551,999</b>

TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total employees		Production and related workers		Admin- istra- tive and office	Sales and 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 .....	...	...	...	...	...	...	17	1	17	1	...	...	...	130	130
New Brunswick .....	...	...	...	...	...	...	89	28	89	28	...	...	...	637	637
Quebec .....	17,052	392	15	—	4,184	1,185	1,991	439	23,242	2,016	104,516	24	38,528	14,840	157,907
Ontario .....															
Manitoba .....	x	x	x	—	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan .....	...	...	...	...	...	...	31	102	31	102	...	...	...	741	741
Alberta .....	...	...	...	...	...	...	35	120	35	120	...	...	...	882	882
British Columbia .....	x	x	x	—	x	x	x	x	x	x	x	x	x	x	x
Yukon and Northwest Territories .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	17,604	393	65	—	4,339	1,243	2,734	623	24,742	2,259	106,775	223	39,567	18,549	166,918
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 .....	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Ontario .....	19,977	449	6	—	4,681	1,289	1,759	366	26,423	2,104	132,281	31	46,183	13,897	192,391
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 .....	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia .....	294	—	66	—	132	46	165	42	657	88	1,449	301	896	1,384	4,030
Yukon and Northwest Territories .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	21,090	453	73	—	5,029	1,382	2,878	612	29,062	2,447	137,091	334	48,350	22,460	208,236

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 .....	17,615	406	20,488	502
February .....	16,953	420	20,624	491
March .....	15,495	430	21,187	488
April .....	18,693	429	21,790	506
May .....	19,224	428	22,087	499
June .....	19,107	409	21,955	488
July .....	16,523	209	18,030	191
August .....	9,990	239	13,183	250
September .....	17,725	379	21,296	447
October .....	19,548	432	23,218	506
November .....	20,071	455	24,375	522
December .....	20,131	483	24,827	541
Average for establishments reporting monthly detail (collected only for large establishments) .....	17,604	393	21,090	453
Average for small establishments (only annual averages collected) .....	...	...	...	...
Average for all establishments .....	17,604	393	21,090	453

TABLE 4. Industry Inventories,<sup>1</sup> 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 .....	—	—	—	—	—	—
Quebec .....	x	x	x	x	x	x
Ontario .....	7,177	66,928	22,145	96,250	48,340	144,590
Manitoba .....	x	x	x	x	x	x
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	—
British Columbia .....	2,324	370	418	3,112	474	3,586
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	13,139	68,996	23,381	105,516	49,079	154,595
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	x	x	x	x	x	x
New Brunswick .....	—	—	—	—	—	—
Quebec .....	x	x	x	x	x	x
Ontario .....	7,909	83,075	29,645	120,629	53,457	174,086
Manitoba .....	x	x	x	x	x	x
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	—
British Columbia .....	2,734	556	349	3,639	512	4,151
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	15,584	86,541	30,973	133,098	54,245	187,343

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	14,106	10,941	117
(b) Imported .....	"	168,568	193,694	2,080
Sub-bituminous coal (from Alberta mines only) .....	"	1,195	—	—
Anthracite coal .....	"	—	—	—
Lignite coal .....	"	—	371	3
Coke .....	"	—	—	—
Gasoline (including gasoline used in cars and trucks) ..	Imp. gal.	1,832,163	2,167,228	494
Fuel oil including kerosene or coal oil .....	"	1,320,691	1,573,625	175
Wood .....	cord	—	31	1
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	692,503	778,409	86
(b) Other manufactured gas .....	M cu. ft.	—	—	—
(c) Natural gas .....	"	443,676	694,115	532
Other fuel .....		—	—	—
Electricity purchased .....	kwh.	274,365,466	337,399,281	2,626
Steam purchased .....		—	—	130
2. Estimate for small establishments:				
• Fuel and electricity .....		—	—	—
3. All establishments:				
<b>Total fuel and electricity used</b> .....		<b>5,394</b>		<b>6,244</b>

<sup>1</sup> The difference between figures in Table 4 and those in Table 2 arises from firms reporting output of products on the basis of production rather than of shipments. Consequently, inventories of finished products for such respondents are not taken into account for purposes of compiling value added in Table 2. See also "Concepts and Definitions" for explanation of other variances.



**TABLE 6. 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)

Type	Production (whether shipped or not)	Factory shipments					
		For sale in Canada		For export		Total shipments	
		Number	Value \$'000	Number	Value \$'000	Number	Value \$'000
<b>1962</b>	<b>No.</b>						
<b>(a) Passenger cars:</b>							
Convertible cars:							
Soft top .....	17,830	17,481	42,797	129	276	17,610	43,073
Hard top:							
2-door .....	47,443	47,137	107,231	136	244	47,273	107,475
4-door .....	23,179	21,429	54,934	1,742	3,275	23,171	58,209
Permanent closed cars:							
2-door sedan or coupe:							
Compact model .....	26,789	26,017	64,654	36	53	26,053	64,707
Other .....	34,342	35,595	52,523	27	49	35,622	52,571
4-door sedan:							
Compact model .....	60,213	59,553	110,886	1,626	2,416	61,179	113,302
Other .....	179,906	170,428	361,237	9,699	15,931	180,127	377,168
Station-wagon type:							
2-door .....	357	350	703	—	—	350	703
4-door .....	29,145	28,881	65,799	358	464	29,239	66,263
Chassis (sold without bodies) .....	120	—	—	120	217	120	217
Other models .....	5,257	5,249	11,028	92	151	5,341	11,179
<b>Totals, passenger cars .....</b>	<b>424,581</b>	<b>412,120</b>	<b>871,791</b>	<b>13,965</b>	<b>23,076</b>	<b>426,085</b>	<b>894,868</b>
<b>(b) Trucks (classified according to maximum gross vehicle weight-in pounds):</b>							
6,000 or less .....	43,719	42,142	70,240	2,029	2,150	44,171	72,390
6,001-10,000 .....	10,357	10,129	19,252	588	692	10,717	19,944
10,001-14,000 .....	1,070	1,133	3,090	5	11	1,138	3,101
14,001-16,000 .....	3,902	3,766	13,149	279	384	4,045	13,533
16,001-19,500 .....	4,481	3,734	11,152	979	1,712	4,713	12,865
19,501-26,000 .....	10,259	10,297	33,234	43	89	10,340	33,323
26,001-33,000 .....	2,401	2,449	12,651	—	—	2,449	12,651
Over 33,000 .....	2,117	2,140	22,764	32	569	2,172	23,333
<b>Totals, trucks .....</b>	<b>78,306</b>	<b>75,790</b>	<b>185,532</b>	<b>3,955</b>	<b>5,608</b>	<b>79,745</b>	<b>191,140</b>
<b>(c) Buses or coaches:</b>							
Complete .....	299	299	8,633	—	—	299	8,633
Chassis only .....	2,001	2,005	4,608	—	—	2,005	4,608
<b>Totals, buses .....</b>	<b>2,300</b>	<b>2,304</b>	<b>13,241</b>	<b>—</b>	<b>—</b>	<b>2,304</b>	<b>13,241</b>
<b>Totals, all vehicles .....</b>	<b>505,187</b>	<b>490,214</b>	<b>1,070,564</b>	<b>17,920</b>	<b>28,685</b>	<b>508,134</b>	<b>1,099,249</b>
<b>1963</b>							
<b>(a) Passenger cars:</b>							
Convertible cars:							
Soft top .....	31,414	30,988	78,943	250	498	31,238	79,440
Hard top:							
2-door .....	71,286	70,478	165,172	293	521	70,771	165,693
4-door .....	31,285	28,557	74,242	2,502	4,485	31,059	78,728
Permanent closed cars:							
2-door sedan or coupe:							
Compact model .....	27,729	27,417	50,818	177	329	27,594	51,146
Other .....	36,788	37,103	74,009	22	36	37,125	74,045
4-door sedan:							
Compact model .....	75,870	73,164	141,675	2,351	3,507	75,515	145,162
Other .....	216,914	206,224	443,886	9,894	16,419	216,118	460,304
Station-wagon type:							
Compact models .....	14,978	14,744	32,203	230	424	14,974	32,627
4-door .....	25,751	25,110	60,313	428	848	25,538	61,161
Chassis (sold without bodies) .....	228	—	—	228	380	228	380
Other models .....	—	—	—	—	—	—	—
<b>Totals, passenger cars .....</b>	<b>532,243</b>	<b>513,785</b>	<b>1,121,260</b>	<b>16,375</b>	<b>27,446</b>	<b>530,160</b>	<b>1,148,706</b>
<b>(b) Trucks (classified according to maximum gross vehicle weight-in pounds):</b>							
6,000 or less .....	54,359	51,001	87,216	3,048	3,358	54,049	90,574
6,001-10,000 .....	14,941	13,987	26,022	1,028	1,209	15,015	27,231
10,001-14,000 .....	450	451	2,283	—	—	451	2,283
14,001-16,000 .....	4,333	4,083	11,763	110	148	4,193	11,911
16,001-19,500 .....	3,964	3,572	9,878	213	362	3,785	10,240
19,501-26,000 .....	12,246	12,141	39,560	48	100	12,189	39,660
26,001-33,000 .....	2,585	2,551	12,621	—	—	2,551	12,621
Over 33,000 .....	3,281	3,332	31,757	—	—	3,332	31,757
<b>Totals, trucks .....</b>	<b>96,159</b>	<b>91,118</b>	<b>221,100</b>	<b>4,447</b>	<b>5,178</b>	<b>95,565</b>	<b>226,277</b>
<b>(c) Buses or coaches:</b>							
Complete .....	109	108	3,777	1	36	109	3,813
Chassis only .....	2,845	2,686	7,482	67	1,240	2,753	8,723
<b>Totals, buses .....</b>	<b>2,954</b>	<b>2,794</b>	<b>11,259</b>	<b>68</b>	<b>1,277</b>	<b>2,862</b>	<b>12,536</b>
<b>Totals, all vehicles .....</b>	<b>631,356</b>	<b>607,697</b>	<b>1,353,619</b>	<b>20,890</b>	<b>33,900</b>	<b>628,587</b>	<b>1,387,519</b>

TABLE 6 A. Factory Shipments<sup>1</sup> of Motor Vehicles, by Types, 1954-63 (from All Industries)

Year	Passenger cars		Trucks and buses		Total	
	Number	Selling value at plant <sup>2</sup>	Number	Selling value at plant <sup>2</sup>	Number	Selling value at plant <sup>2</sup>
		\$'000		\$'000		\$'000
1954	287,191	436,820	69,892	122,291	357,083	559,112
1955	375,028	610,683	78,569	143,455	453,597	754,139
1956	374,312	646,523	93,552	190,224	467,864	836,748
1957	340,016	639,852	71,868	149,668	411,884	789,521
1958	298,349	583,921	81,428	135,774	359,777	719,696
1959	300,616	613,350	67,441	170,968	368,057	784,318
1960	326,273	650,307	70,670	170,684	396,943	820,992
1961	321,927	656,155	63,799	153,354	385,726	809,510
1962	426,085	894,868	81,843	198,214	507,928	1,093,082
1963	530,160	1,148,708	98,427	238,813	628,587	1,387,519

<sup>1</sup> Shipment figures include wheeled vehicles for military use.

<sup>2</sup> Selling value represents the wholesale value or the amount of money received by manufacturers from their dealers or distributors; taxes, dealers' commissions, etc., are not included.

TABLE 6 B. Factory Shipments of Motor Vehicles, showing Made for Sale in Canada and Made for Export Separately, 1954-63

Year	Passenger cars			Trucks and buses		
	Made for sale in Canada	Made for export	Total	Made for sale in Canada	Made for export	Total
	number					
1954	267,452	19,739	287,191	59,686	10,226	69,892
1955	349,306	25,722	375,028	69,186	9,383	78,569
1956	349,809	24,503	374,312	85,094	8,458	93,552
1957	318,416	21,600	340,016	64,857	7,011	71,868
1958	280,677	17,672	298,349	55,908	5,520	61,428
1959	285,841	14,775	300,616	63,429	4,012	67,441
1960	307,499	18,774	326,273	66,293	4,377	70,670
1961	312,599	9,328	321,927	60,332	3,467	63,799
1962	412,120	13,965	426,085	78,094	3,955	82,049
1963	513,785	16,375	530,160	93,912	4,515	98,427

TABLE 6 C. Motor Vehicle Shipments by Canadian Producers, by Months, 1962 and 1963

Month	Passenger		Commercial		Total	
	For sale in Canada	For export	For sale in Canada	For export	For sale in Canada	For export
number						
1962						
January .....	34,033	1,280	5,525	139	39,558	1,419
February .....	33,116	1,178	5,515	150	38,631	1,328
March .....	37,118	1,097	7,749	327	44,867	1,424
April .....	38,656	1,062	7,171	553	45,827	1,615
May .....	48,072	1,279	8,416	431	56,488	1,710
June .....	43,203	1,218	8,501	192	51,704	1,410
July .....	28,175	988	5,921	350	34,096	1,336
August .....	5,267	171	2,409	55	7,676	226
September .....	20,615	1,167	5,459	341	26,074	1,508
October .....	39,204	1,181	6,612	451	45,816	1,632
November .....	46,009	2,201	7,486	397	53,495	2,598
December .....	43,172	1,198	6,691	546	49,863	1,744
Totals .....	416,640	14,020	77,455	3,932	494,095	17,952
1963						
January .....	47,145	1,548	7,244	317	54,389	1,863
February .....	41,021	1,380	7,533	401	48,554	1,781
March .....	42,025	1,505	8,853	341	50,878	1,846
April .....	50,865	1,176	9,326	810	60,191	1,786
May .....	55,867	1,388	9,952	579	65,819	1,967
June .....	50,184	1,093	8,774	294	58,958	1,387
July .....	33,067	687	8,728	74	39,795	761
August .....	1,507	87	3,011	22	4,518	109
September .....	30,009	954	6,992	398	37,001	1,352
October .....	46,346	1,849	7,912	534	54,258	2,383
November .....	59,285	2,488	8,742	323	68,027	2,811
December .....	58,425	2,061	9,130	561	67,555	2,622
Totals .....	515,746	16,214	93,997	4,454	609,743	20,668

Note: Above breakdown developed from a special monthly report on "Motor Vehicle Shipments" Totals do not agree with annual totals in Tables 6, 6 A and 6 B because of differences in reporting periods, calendar year vs fiscal year, in some cases and also because of the preliminary status of monthly figures.



**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>	
Volvo (Canada) Ltd. ....	Dartmouth
<b>Quebec:</b>	
Prevost Car Inc. ....	Ste. Claire
Sherbrooke Coach Mfg. Co. ....	Sherbrooke
Sicard Inc. ....	2055 Bennett Ave., Montreal
<b>Ontario:</b>	
American Motors (Canada) Ltd. ....	Brampton
Chrysler Canada Ltd. ....	Box 60, Windsor
F.W.D. Corp. (Canada) Ltd. ....	655 Block Line Rd. Kitchener
Ford Motor Co. of Canada Ltd. ....	Canadian Road, Oakville
General Motors of Canada Ltd. ....	
International Harvester Co. of Canada Ltd. ....	Hillyard St., Hamilton
Kaiser Jeep of Canada Ltd. ....	2525 Central Ave., Windsor
Studebaker of Canada Ltd. ....	Ferrie St. East, Hamilton
<b>Manitoba:</b>	
Motor Coach Industries Ltd. ....	841 Erie St., Winnipeg
Western Plyer Coach Ltd. ....	702 Broadway Ave., Winnipeg
<b>British Columbia:</b>	
Canadian Kenworth Ltd. ....	Burnaby
Freightliner of Canada Ltd. ....	4242 Phillips Ave. N., Burnaby
Hayes Manufacturing Co. Ltd. ....	Box 818, Vancouver
Pacific Truck & Trailer Ltd. ....	1460 Franklin 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 DBS publication Catalogue No. 61-202, "Survey of Production".





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