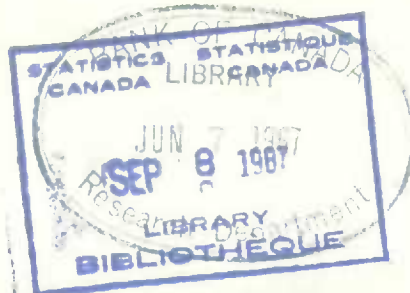


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MOTOR VEHICLE MANUFACTURERS

1965

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MOTOR VEHICLE MANUFACTURERS

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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.

A comparison of 1965 figures with those for 1964 indicates that the total value of shipments increased 26 per cent, the total value of production increased 25.8 per cent, the total cost of materials used increased 24.8 per cent and value added in the manufacturing process increased 28.4 per cent. The number of vehicles produced increased by 26 per cent, the number of vehicles shipped increased by 25.8 per cent and the number of vehicles exported increased by 93.2 per cent.

Other products produced by firms classified to this industry were marine motors, snowblowers, street flushers, airport sweepers, motoloaders, logging trailers and logging winches.

SYMBOLS

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

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- ° preliminary figures.
- ' revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Principal Statistics, 1961-65

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	17	16,167	35,929	84,861	3,085	604,350	870,942	276,151	-	-	25,183	141,113	328,643
1962													
Totals	17	17,997	42,239	106,775	5,394	806,480	1,179,982	372,793	-	-	27,001	166,918	417,609
1963													
Totals	18	21,543	50,851	137,091	6,244	1,042,239	1,516,297	492,128	-	-	31,727	208,236	539,570
1964													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick .....	...	...	...	...	...	...	...	...	...	...	125	771	...
Quebec	3	x	x	x	x	x	x	x	-	-	x	x	x
Ontario	8	23,412	52,665	147,667	6,502	1,181,129	1,638,253	476,600	-	-	32,709	216,438	531,649
Manitoba	2	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan .....	...	...	...	...	...	...	...	...	...	...	134	853	...
Alberta .....	...	...	...	...	...	...	...	...	...	...	173	1,097	...
British Columbia	4	408	784	1,875	66	11,964	18,162	6,146	-	-	887	5,131	6,823
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	18	24,860	55,921	153,790	6,720	1,206,433	1,678,817	491,775	-	-	36,026	234,551	548,077
1965													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick .....	...	...	...	...	...	...	...	...	...	...	139	930	...
Quebec	5	x	x	x	x	x	x	x	-	-	x	x	x
Ontario	8	28,140	64,869	198,729	7,661	1,452,468	2,048,630	609,163	-	-	38,236	279,191	708,171
Manitoba	2	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan .....	...	...	...	...	...	...	...	...	...	...	142	984	...
Alberta .....	...	...	...	...	...	...	...	...	...	...	248	1,586	...
British Columbia	4	548	1,129	3,009	101	21,360	28,173	7,696	-	-	1,115	6,492	8,643
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	20	30,014	69,138	207,176	8,126	1,505,949	2,120,302	631,390	-	-	42,432	302,518	732,775

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999	—	—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999	—	—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999	—	—	—	—	—	—	—	—	—	—	—	—	—
500,000 " 999,999	3	158	386	577	27	1,005	1,824	918	—	—	185	740	966
1,000,000 " 4,999,999	6	422	918	2,081	92	14,620	21,323	6,624	—	—	650	3,288	7,050
5,000,000 and over	9	24,280	54,617	151,132	6,602	1,190,809	1,655,670	484,233	—	—	32,371	210,422	540,032
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,820	20,102	29
Totals	18	24,860	55,921	153,790	6,720	1,206,433	1,678,817	491,775	—	—	36,026	234,551	548,077
1965													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999	—	—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999	—	—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999	—	—	—	—	—	—	—	—	—	—	—	—	—
500,000 " 999,999	3	147	345	535	38	1,049	1,753	736	—	—	161	598	771
1,000,000 " 4,999,999	5	338	779	1,785	62	10,656	14,326	2,874	—	—	517	2,815	4,387
5,000,000 and over	12	29,529	68,014	204,856	8,025	1,494,244	2,104,223	627,780	—	—	38,957	278,151	718,143
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,797	20,955	9,478
Totals	20	30,014	69,138	207,176	8,126	1,505,949	2,120,302	631,390	—	—	42,432	302,518	732,775

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity					
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added	
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages		
	No.		'000			\$'000				\$'000		\$'000		
1964														
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—	
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—	
25,000 " 49,999	—	—	—	—	—	—	—	—	—	—	—	—	—	
50,000 " 99,999	—	—	—	—	—	—	—	—	—	—	—	—	—	
100,000 " 199,999	}	4	222	551	882	37	3,015	4,091	1,230	—	—	294	1,277	1,652
200,000 " 499,999		3	186	380	652	45	7,315	9,733	2,373	—	—	253	1,183	2,454
500,000 " 999,999		5	1,155	2,597	4,967	161	18,606	33,555	14,752	—	—	1,728	8,455	15,848
1,000,000 " 4,999,999		6	23,297	52,393	147,089	6,477	1,177,498	1,631,438	473,419	—	—	30,931	203,535	528,095
5,000,000 and over														
Head offices, sales offices and auxiliary units	2,820	20,102	29
Totals	18	24,860	55,921	153,790	6,720	1,206,433	1,678,817	491,775	—	—	36,026	234,551	548,077	
1965														
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—	
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—	
25,000 " 49,999	}	6	343	817	1,559	78	6,121	8,657	1,728	—	—	480	2,356	3,360
50,000 " 99,999		3	242	503	1,179	54	11,126	13,894	2,823	—	—	318	1,604	2,740
100,000 " 199,999		4	1,192	2,742	5,374	178	25,853	38,192	12,942	—	—	1,824	8,926	15,440
200,000 " 499,999		7	28,237	65,076	199,064	7,816	1,462,848	2,059,559	613,898	—	—	37,013	268,677	701,702
500,000 " 999,999														
1,000,000 " 4,999,999														
5,000,000 and over														
Head offices, sales offices and auxiliary units	2,797	20,955	9,478
Totals	20	30,014	69,138	207,176	8,126	1,505,949	2,120,302	631,390	—	—	42,432	302,518	732,775	

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1964													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999	3	158	386	577	26	1,005	1,824	918	-	-	185	740	966
200,000 " 499,999													
500,000 " 999,999	4	250	545	1,157	55	9,325	12,000	2,685	-	-	362	1,720	3,140
1,000,000 " 4,999,999	4	734	1,537	2,962	102	13,343	23,317	9,949	-	-	1,114	5,418	10,486
5,000,000 and over	9	23,718	53,453	149,094	6,536	1,182,761	1,641,676	478,223	-	-	31,545	206,572	533,456
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,820	20,102	29
Totals	18	24,860	55,921	153,790	6,720	1,206,433	1,678,817	491,775	-	-	36,026	234,551	548,077
1965													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999	4	220	517	779	48	1,642	2,807	1,210	-	-	254	975	1,245
100,000 " 199,999													
200,000 " 499,999	4	310	683	1,578	68	13,434	16,602	3,139	-	-	440	2,311	3,537
500,000 " 999,999	4	1,003	2,363	4,420	138	17,671	27,001	8,861	-	-	1,449	6,889	11,444
1,000,000 " 4,999,999	8	28,481	65,574	200,399	7,871	1,473,201	2,073,891	618,181	-	-	37,492	271,388	707,076
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	2,797	20,955	9,473
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,797	20,955	9,473
Totals	20	30,014	69,128	207,176	8,126	1,505,949	2,120,302	631,390	-	-	42,432	302,518	732,775

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1964													
Under 5 employed	-	-	-	-	-	-	-	-	-	-	-	-	-
5- 14 employed	-	-	-	-	-	-	-	-	-	-	-	-	-
15- 49 "	4	190	448	722	31	1,948	3,679	1,817	-	-	222	913	1,859
50- 99 "													
100-199 "	7	952	2,020	3,974	153	21,724	33,461	11,736	-	-	1,439	6,964	12,733
200-499 "	7	23,718	53,453	149,094	6,536	1,182,761	1,641,676	478,223	-	-	31,545	206,572	533,456
500 employed and over													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,820	20,102	29
Totals	18	24,860	55,921	153,790	6,720	1,206,433	1,678,817	491,775	-	-	36,026	234,551	548,077
1965													
Under 5 employed	-	-	-	-	-	-	-	-	-	-	-	-	-
5- 14 employed	-	-	-	-	-	-	-	-	-	-	-	-	-
15- 49 "	5	282	653	1,090	58	4,161	6,298	2,189	-	-	329	1,342	2,239
50- 99 "													
100-199 "	4	303	667	1,648	75	13,086	16,253	2,362	-	-	469	2,618	3,880
200-499 "	3	626	1,329	3,363	262	30,636	37,531	11,067	-	-	1,096	5,836	12,025
500 employed and over	8	28,803	66,489	201,076	7,731	1,458,066	2,060,220	615,773	-	-	37,741	271,767	705,157
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,797	20,955	9,473
Totals	20	30,014	69,138	207,176	8,126	1,505,949	2,120,302	631,390	-	-	42,432	302,518	732,775

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

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Individual ownerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Partnerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies	18	24,860	55,921	153,790	6,720	1,206,433	1,678,817	491,775	...	...	33,206	214,450	548,048
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,820	20,102	29
Totals	18	24,860	55,921	153,790	6,720	1,206,433	1,678,817	491,775	—	—	36,026	234,551	548,077
1965													
Individual ownerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Partnerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies	20	30,014	69,138	207,176	8,126	1,505,949	2,120,302	631,390	...	...	39,635	281,563	723,301
Co-operatives													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,797	20,955	9,473
Totals	20	30,014	69,138	207,176	8,126	1,505,949	2,120,302	631,390	—	—	42,432	302,518	732,775

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
\$'000						
Output						
1. Shipments and other revenue	1,678,817	2,120,302	221,179	359,946	1,899,996	2,480,248
Inventories—Goods of own manufacture:						
Add closing—Goods in process	108,792	124,058	...	...	108,792	124,058
Finished goods	32,421	42,227	...	...	32,421	42,227
Deduct opening—Goods in process	86,541	108,704	...	...	86,541	108,704
Finished goods	28,560	32,418	...	...	28,560	32,418
2. Net inventory change	26,112	25,163	...	...	26,112	25,163
3. Gross output (1 + 2)	1,704,929	2,145,465	221,179	359,946	1,926,108	2,505,411
Input						
4. Purchases of goods not of own manufacture .....	...	...	164,677	268,303	164,677	268,303
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	54,245	58,872	54,245	58,872
Deduct closing .....	...	...	58,872	73,771	58,872	73,771
5. Cost of goods sold (not of own manufacture) .....	...	...	160,050	253,404	160,050	253,404
6. Materials, supplies, etc.	1,206,433	1,505,949	4,827	5,157	1,211,260	1,511,106
7. Fuel and electricity	6,720	8,126	...	...	6,720	8,126
8. Gross input (5 + 6 + 7)	1,213,153	1,514,075	164,877	258,561	1,378,030	1,772,636
Value added (3 - 8)	491,775	631,390	56,302	101,385	548,077	732,775

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Admin- istra- tive and office	Sales and distrib- ution	Total
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
number										\$'000					
1964															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x
New Brunswick .....	...	...	...	...	...	...	97	28	97	28	...	...	...	771	771
Quebec	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x
Ontario	22,940	472	4	-	5,707	1,405	1,791	390	30,442	2,267	147,667	19	54,088	14,664	216,438
Manitoba	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan .....	...	...	...	...	...	...	103	31	103	31	...	...	...	853	853
Alberta .....	...	...	...	...	...	...	134	39	134	39	...	...	...	1,097	1,097
British Columbia	408	-	66	-	165	48	159	41	798	89	1,875	361	1,482	1,413	5,131
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	24,384	476	71	-	6,104	1,515	2,847	629	33,406	2,620	153,790	381	57,093	23,288	234,551
1965															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x
New Brunswick .....	...	...	...	...	...	...	110	29	110	29	...	...	...	930	930
Quebec	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Ontario	27,576	564	2	-	6,189	1,502	1,998	405	35,765	2,471	198,729	11	62,906	17,545	279,191
Manitoba	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Saskatchewan .....	...	...	...	...	...	...	108	34	108	34	...	...	...	984	984
Alberta .....	...	...	...	...	...	...	202	46	202	46	...	...	...	1,586	1,586
British Columbia	548	-	97	-	180	66	182	42	1,007	108	3,009	507	1,306	1,670	6,492
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	29,426	588	99	-	6,777	1,666	3,214	662	39,516	2,916	207,176	518	66,906	27,918	302,518

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

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	25,489	580	29,552	677
February	25,545	587	23,967	681
March	25,704	586	30,371	684
April	25,917	569	31,119	680
May	26,041	550	31,689	682
June	26,298	487	31,702	683
July	20,243	201	29,076	544
August	20,031	397	19,835	203
September	26,927	597	27,570	519
October	21,114	317	32,062	573
November	26,528	519	33,147	577
December	22,770	325	33,022	547
Averages	24,384	476	29,426	588
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments	24,384	476	29,426	588

TABLE 10. Inventories¹, 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	x	—	x	x	—	x
New Brunswick	—	—	—	—	—	—
Quebec	x	x	x	x	x	x
Ontario	12, 230	106, 040	33, 329	151, 600	57, 666	209, 266
Manitoba	x	x	x	x	—	x
Saskatchewan	—	—	—	—	—	—
Alberta	—	—	—	—	—	—
British Columbia	3, 857	569	351	4, 777	1, 080	5, 857
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	21, 557	108, 704	35, 503	165, 764	58, 872	224, 636
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	x	—	x	x	—	x
New Brunswick	—	—	—	—	—	—
Quebec	x	x	x	x	x	x
Ontario	14, 080	116, 804	43, 185	174, 068	72, 110	246, 178
Manitoba	x	x	x	x	—	x
Saskatchewan	—	—	—	—	—	—
Alberta	—	—	—	—	—	—
British Columbia	5, 534	1, 480	424	7, 438	1, 557	8, 995
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	25, 309	124, 058	45, 268	194, 635	73, 771	268, 406

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

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	58, 032	53, 162	575
(b) Imported	"	141, 381	169, 611	1, 864
Sub-bituminous coal (from Alberta mines only)	"	—	—	—
Anthracite coal	"	—	—	—
Lignite coal	"	158	217	2
Coke	"	—	—	—
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	2, 370, 837	3, 242, 077	800
Fuel oil including kerosene or coal oil	"	1, 376, 058	3, 366, 284	324
Wood	cord	46	52	1
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	895, 712	1, 151, 142	128
(b) Other manufactured gas	M cu. ft.	—	—	—
(c) Natural gas	"	866, 500	1, 039, 945	781
Other fuel .....	...	—	...	—
Electricity purchased	kwh.	378, 257, 668	465, 483, 344	3, 495
Steam purchased .....	...	147	...	156
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	—	...	—
3. All establishments:				
Total fuel and electricity used .....	...	6, 720	...	8, 126

¹ The difference between figures in Table 10 and those in Table 7 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 7. See also "Concepts and Definitions" for explanation of other variances.

TABLE 12. Shipments of Selected Goods of Own Manufacture - All Industries, 1964 and 1965

(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Type	Production (whether shipped or not)	Factory shipments					
		For sale in Canada		For export		Total shipments	
		Number	Value	Number	Value	Number	Value
	No.		\$'000		\$'000		\$'000
1964							
(a) Passenger cars:							
Convertible cars:							
Soft top	30,261	29,788	79,610	574	1,179	30,362	80,789
Hard top:							
2-door	96,362	94,800	225,075	1,833	3,291	96,633	228,366
4-door	35,804	32,169	85,147	3,532	6,290	35,701	91,437
Permanent closed cars:							
2-door sedan or coupe:							
Compact model	30,607	26,327	50,873	2,878	5,127	29,205	56,000
Other	51,303	49,934	105,069	508	852	50,442	105,921
4-door sedan:							
Compact model	72,658	60,684	119,679	13,252	22,253	73,936	141,931
Other	199,354	187,859	412,062	11,449	17,873	199,308	429,935
Station-wagon type:							
2-door	17,221	15,425	35,103	1,246	1,854	16,671	36,957
4-door	25,896	23,626	57,849	2,195	4,403	25,821	62,252
Chassis (sold without bodies)	137	131	174	—	—	131	174
Other models	—	—	—	—	—	—	—
Totals, passenger cars	559,603	520,743	1,170,640	37,467	63,122	558,210	1,233,762
(b) Trucks (classified according to maximum gross vehicle weight-in pounds):							
6,000 or less	62,395	58,514	102,485	4,187	4,921	62,701	107,405
6,001-10,000	15,429	14,406	28,102	1,422	1,826	15,828	29,928
10,001-14,000	540	522	2,343	—	—	522	2,343
14,001-16,000	5,398	4,721	14,488	506	752	5,227	15,240
16,001-19,500	3,035	2,182	7,069	932	1,725	3,114	8,793
19,501-26,000	12,109	11,723	39,101	349	587	12,072	39,688
26,001-33,000	3,568	3,626	17,673	26	53	3,652	17,726
Over 33,000	5,263	5,307	52,116	13	301	5,320	52,417
Totals, trucks	107,737	101,001	263,376	7,435	10,166	108,436	273,542
(c) Buses or coaches:							
Complete	3,650	3,445	19,384	215	3,428	3,660	22,812
Chassis only	—	—	—	—	—	—	—
Totals, buses	3,650	3,445	19,384	215	3,428	3,660	22,812
Totals, all vehicles	670,990	625,189	1,453,400	45,117	76,716	670,306	1,530,116
1965							
(a) Passenger cars:							
Convertible cars:							
Soft top	36,778	36,175	95,581	679	1,440	36,854	97,021
Hard top:							
2-door	151,744	143,828	339,037	7,642	12,460	151,470	351,497
4-door	64,852	55,509	143,222	8,581	13,826	64,090	157,048
Permanent closed cars:							
2-door	64,704	56,181	112,521	8,755	13,886	64,936	126,407
4-door	339,239	300,644	651,219	38,952	61,218	339,596	712,437
Station-wagons	49,274	44,198	108,710	4,273	7,773	48,471	116,483
Chassis (sold without bodies)	219	203	260	—	—	203	260
Other models	—	—	—	—	—	—	—
Totals, passenger cars	706,810	636,738	1,450,551	68,882	110,604	705,620	1,561,154
(b) Trucks (classified according to maximum gross vehicle weight-in pounds):							
6,000 or less	79,034	68,758	118,379	9,529	13,714	78,287	132,093
6,001-10,000	20,807	16,921	33,294	3,624	5,839	20,545	39,132
10,001-14,000	7,261	6,415	18,515	774	1,606	7,189	20,121
14,001-16,000	—	—	—	—	—	—	—
16,001-19,500	18,630	14,736	47,003	3,822	10,321	18,558	57,324
19,501-26,000	3,332	3,099	17,360	87	254	3,186	17,614
26,001-33,000	6,021	5,874	61,838	21	541	5,895	62,380
Over 33,000	—	—	—	—	—	—	—
Totals, trucks	135,085	115,803	296,389	17,857	32,275	133,660	328,664
(c) Buses or coaches:							
Complete	4,714	4,114	25,583	451	4,567	4,565	30,150
Chassis only	—	—	—	—	—	—	—
Total, buses	4,714	4,114	25,583	451	4,567	4,565	30,150
Totals, all vehicles	846,609	756,655	1,772,523	87,190	147,446	843,845	1,919,968

TABLE 12 A. Factory Shipments¹ of Motor Vehicles, by Types, 1956-65 (from All Industries)

Year	Passenger-cars		Trucks and buses		Total	
	Number	Selling value at plant ²	Number	Selling value at plant ²	Number	Selling value at plant ²
		\$'000		\$'000		\$'000
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	61,428	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	82,049	204,381	508,134	1,099,249
1963	530,160	1,148,706	98,427	238,813	628,587	1,387,519
1964	558,210	1,233,762	112,096	296,354	670,306	1,530,116
1965	705,620	1,561,154	138,225	358,614	843,845	1,919,968

¹ Shipments figures include wheeled vehicles for military use.

² 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 12 B. Factory Shipments of Motor Vehicles, showing Made for Sale in Canada and Made for Export Separately, 1956-65

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					
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
1964	520,743	37,467	558,210	104,446	7,650	112,096
1965	636,738	68,882	705,620	112,917	18,308	138,225

TABLE 12 C. Motor Vehicle Shipments by Canadian Producers, by Months, 1964 and 1965

Month	Passenger		Commercial		Total	
	For sale in Canada	For export	For sale in Canada	For export	For sale in Canada	For export
1964	number					
January	57,836	2,702	10,047	443	67,883	3,145
February	51,876	2,439	9,360	388	61,236	2,827
March	56,168	2,952	10,419	346	66,587	3,298
April	60,718	3,103	11,244	495	71,962	3,598
May	54,932	3,475	10,567	833	65,499	4,306
June	56,641	3,628	10,995	502	67,636	4,130
July	26,565	2,245	5,911	539	32,476	2,784
August	4,047	885	3,203	248	7,250	1,133
September	37,425	2,307	9,552	578	46,977	2,885
October	35,727	4,056	7,014	1,192	42,741	5,248
November	41,495	6,120	8,395	1,174	49,890	7,294
December	37,861	3,654	6,559	635	44,420	4,289
Totals	521,291	37,566	103,266	7,373	624,557	44,939
1965						
January	47,414	6,527	8,014	1,507	55,428	8,034
February	47,891	4,013	9,025	903	56,916	4,916
March	69,203	5,359	12,971	1,172	82,174	6,531
April	65,206	6,388	12,864	1,726	78,070	8,114
May	67,978	5,203	12,539	2,456	80,517	7,659
June	64,691	3,436	12,952	2,183	77,643	5,619
July	48,103	2,086	8,213	1,140	56,316	3,226
August	18,382	296	3,847	241	22,229	537
September	28,739	8,300	7,073	235	35,812	8,535
October	48,430	11,966	10,964	1,630	59,394	13,596
November	65,055	10,707	11,164	4,471	76,219	15,178
December	64,888	8,629	10,439	5,560	75,327	14,199
Totals	635,980	73,510	120,065	23,224	756,045	96,734

Note: Above breakdown developed from a special monthly report on "Motor Vehicle Shipments". Totals do not agree with annual totals in Tables 12, 12 A and 12 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, 1965

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

Name	Location
Nova Scotia:	
Volvo (Canada) Ltd.	Dartmouth
Quebec:	
General Motors of Canada Ltd.	Ste-Thérèse
Prevost Car Inc.	Ste-Claire
Sherbrooke Coach Mfg. Co.	Sherbrooke
Sicard Inc.	Ste-Thérèse
Société de Montage Automobile	St-Bruno
Ontario:	
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.	Oshawa
International Harvester Co. of Canada Ltd.	Chatham
Kaiser Jeep of Canada Ltd.	2525 Central Ave., Windsor
Studebaker of Canada Ltd.	Ferrie St. East, Hamilton
Manitoba:	
Motor Coach Industries Ltd.	1149 St. Mathews Ave., Winnipeg
Western Flyer Coach Ltd.	702 Broadway Ave., Winnipeg
British Columbia:	
Canadian Kenworth Ltd.	3750 Kitchener St., North Burnaby
Freightliner of Canada Ltd.	4242 Phillips Ave., North Burnaby
Hayes Manufacturing Co. Ltd.	225 West 2nd Ave., 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 55 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

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

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

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

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

Establishment

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

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

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

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

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

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

Head Offices and Auxiliary Units

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

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

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

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

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

Employees

(a) Production and related workers – Manufacturing activities

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

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

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

(c) Administrative and office employees

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

(d) Sales and distribution workers

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

(e) Total Employees

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

Working Owners or Partners

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

Salaries and Wages

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

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

Fuel and Electricity

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

Materials and Supplies

(a) Manufacturing activities

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

(b) Non-manufacturing activities

1. Purchases for re-sale as such

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

2. Other materials and supplies used

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

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

Shipments

(a) General

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

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

(b) Shipments of goods of own manufacture

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

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

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

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

(c) Shipments of goods not of own manufacture

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

(d) Other revenue

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

Inventories

(a) Manufacturing activities

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

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

(b) Non-manufacturing activities

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

Value Added

(a) By manufacturing activities

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

(b) By non-manufacturing activities

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

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

(c) By Total activities

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

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