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CATALOGUE No.

42-209

ANNUAL



# MOTOR VEHICLE MANUFACTURERS

1964

DOMINION BUREAU  
OF STATISTICS

SEP 16 1966

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ANNUAL CENSUS  
OF MANUFACTURES

*Published by Authority of*  
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS

Industry Division

September 1966  
6506-824

Price: 50 cents

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## CATALOGUE No.

42-209

ANNUAL

Motor Vehicle Manufacturers1964ERRATAPage 11 Table 12DOMINION BUREAU  
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## Trucks over 33,000 lbs.:

Reads	4,816	4,860	47,107	13	301	4,873	47,408
Should read	5,263	5,307	52,116	13	301	5,320	52,417

## Totals, trucks:

Reads	107,290	100,554	258,367	7,435	10,166	107,989	268,533
Should read	107,737	101,001	263,376	7,435	10,166	108,436	273,542

## Buses or Coaches:

## Complete:

Reads	64	64	2,460	-	-	64	2,460
-------	----	----	-------	---	---	----	-------

## Chassis only:

Reads	3,333	3,128	8,662	215	3,428	3,343	12,089
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## Should read Buses and Chassis Combined:

	3,650	3,445	19,384	215	3,428	3,660	22,812
--	-------	-------	--------	-----	-------	-------	--------

## Total, buses and chassis:

Reads	3,397	3,192	11,122	215	3,428	3,407	14,549
Should read	3,650	3,445	19,384	215	3,428	3,660	22,812

## Totals, all vehicles:

Reads	670,290	624,489	1,440,129	45,117	76,716	669,606	1,516,845
Should read	670,990	625,189	1,453,400	45,117	76,716	670,306	1,530,116

Page 12 Table 12A 1964

Reads	558,210	1,233,762	111,396	283,082	669,606	1,516,844
Should read	558,210	1,233,762	112,096	296,354	670,306	1,530,116

Page 12 Table 12B 1964

Reads	520,743	37,467	558,210	103,746	7,650	111,396
Should read	520,743	37,467	558,210	104,446	7,650	112,096



## MOTOR VEHICLE MANUFACTURERS

1964

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.

• preliminary figures.

\* revised figures.

x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Principal Statistics, 1961-64

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		Employees		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	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													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick .....	...	...	...	...	...	...	...	...	...	...	117 <sup>r</sup>	686 <sup>r</sup>	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	1,485,969 <sup>r</sup>	477,606 <sup>r</sup>	-	-	28,878 <sup>r</sup>	193,278 <sup>r</sup>	523,772 <sup>r</sup>
Manitoba .....	2	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan .....	...	...	...	...	...	...	...	...	...	...	131 <sup>r</sup>	775 <sup>r</sup>	...
Alberta .....	...	...	...	...	...	...	...	...	...	...	164 <sup>r</sup>	970 <sup>r</sup>	...
British Columbia .....	4	294	602	1,449	60	8,056	14,165	6,167	-	-	722 <sup>r</sup>	3,895 <sup>r</sup>	6,278
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	18	21,543	50,851	137,091	6,244	1,042,239	1,516,297 <sup>r</sup>	492,128 <sup>r</sup>	-	-	31,727 <sup>r</sup>	208,236	539,570 <sup>r</sup>
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



TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1963 and 1964

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	
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 .....	6	306	699	1,561	76	9,678	15,046	5,409	—	—	494	2,551	5,535
Head offices, sales offices and auxiliary units .....	9	21,098	49,826	135,065	6,143	1,031,609	1,499,282	485,765	—	—	28,204	185,914	533,047
.....	...	...	...	...	...	...	...	...	...	...	2,867	19,184	(26)
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													
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	158	386	577	27	1,005	1,824	918	—	—	185	740	966
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	6	422	918	2,081	92	14,620	21,323	6,624	—	—	650	3,288	7,050
Head offices, sales offices and auxiliary units .....	9	24,280	54,617	151,132	6,602	1,190,809	1,655,670	484,233	—	—	32,371	210,422	540,032
.....	...	...	...	...	...	...	...	...	...	...	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

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1963 and 1964

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	
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 .....	7	301	681	1,174	70	6,616	9,831	2,646	—	—	424	1,783	2,881
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	6	1,253	2,871	5,963	393	27,066	42,820	17,950	—	—	2,022	10,157	19,901
Head offices, sales offices and auxiliary units .....	5	19,989	47,299	129,955	5,781	1,008,557	1,463,646	471,532	—	—	26,414	177,111	516,814
.....	...	...	...	...	...	...	...	...	...	...	2,867	19,184	(26)
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													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999 .....	4	222	551	682	37	3,015	4,091	1,230	—	—	294	1,277	1,652
200,000 " 499,999 .....													
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....	3	186	380	852	45	7,315	9,733	2,373	—	—	253	1,183	2,454
5,000,000 and over .....	5	1,155	2,597	4,967	161	18,606	33,555	14,752	—	—	1,728	8,455	15,848
Head offices, sales offices and auxiliary units .....	6	23,297	52,393	147,089	8,477	1,177,498	1,631,438	473,419	—	—	30,931	203,535	528,095
.....	...	...	...	...	...	...	...	...	...	...	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



TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1963 and 1964

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	
1963													
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	1,487,477	480,662	-	-	27,540	183,042	527,854
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,867	19,184	(26)
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													
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 .....													
1,000,000 " 4,999,999 .....	4	250	545	1,157	55	9,325	12,000	2,685	-	-	362	1,720	3,140
5,000,000 and over .....	4	734	1,537	2,962	102	13,343	23,317	9,949	-	-	1,114	5,418	10,486
Head offices, sales offices and auxiliary units .....	7	23,718	53,453	149,094	6,536	1,182,761	1,641,676	478,223	-	-	31,545	206,572	533,456
Totals .....	18	24,860	55,921	153,790	6,720	1,206,433	1,678,817	491,775	-	-	36,026	234,551	548,077

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1963 and 1964

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	
1963													
Under 5 employed .....	-	-	-	-	-	-	-	-	-	-	-	-	-
5- 14 employed .....	8	347	813	1,496	83	8,364	13,194	4,724	-	-	496	2,320	4,910
15- 49 " .....													
50- 99 " .....													
100-199 " .....	4	859	1,999	3,853	140	12,290	22,693	11,572	-	-	1,314	6,153	12,788
200-499 " .....													
500 employed and over .....	6	20,337	48,039	131,743	6,021	1,021,584	1,480,410	475,832	-	-	27,050	180,579	521,898
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,867	19,184	(26)
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													
Under 5 employed .....	-	-	-	-	-	-	-	-	-	-	-	-	-
5- 14 employed .....	4	190	448	722	31	1,948	3,679	1,817	-	-	222	913	1,859
15- 49 " .....													
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 " .....													
500 employed and over .....	7	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

TABLE 6. Principal Statistics classified by Type of Organization, 1963 and 1964

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		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1963													
Individual ownerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Partnerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Incorporated companies .....	18	21,543	50,851	137,091	6,244	1,042,239	1,516,297 <sup>r</sup>	492,128 <sup>r</sup>	...	...	28,860 <sup>r</sup>	189,052 <sup>r</sup>	539,596 <sup>r</sup>
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	2,867 <sup>r</sup>	19,184 <sup>r</sup>	(26)
Totals .....	18	21,543	50,851	137,091	6,244	1,042,239	1,516,297 <sup>r</sup>	492,128 <sup>r</sup>	-	-	31,727 <sup>r</sup>	208,236	539,570 <sup>r</sup>
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

TABLE 7. Calculation of Output, Input and Value Added, 1963 and 1964

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1963	1964	1963	1964	1963	1964
	\$'000					
Output						
1. Shipments and other revenue .....	1,516,297 <sup>r</sup>	1,678,817	170,135	221,179	1,686,432 <sup>r</sup>	1,899,996
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	86,541	108,792	...	...	86,541	108,792
Finished goods .....	28,560	32,421	...	...	28,560	32,421
Deduct opening—Goods in process .....	68,996	86,541	...	...	68,996	86,541
Finished goods .....	21,791	28,560	...	...	21,791	28,560
2. Net inventory change .....	24,314	26,112	...	...	24,314	26,112
3. Gross output (1 + 2) .....	1,540,611 <sup>r</sup>	1,704,929	170,135	221,179	1,710,746 <sup>r</sup>	1,926,108
Input						
4. Purchases of goods not of own manufacture .....	...	...	123,042	164,677	123,042	164,677
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	49,079	54,245	49,079	54,245
Deduct closing .....	...	...	54,245	58,872	54,245	58,872
5. Cost of goods sold (not of own manufacture) .....	...	...	117,876	160,050	117,876	160,050
6. Materials, supplies, etc. ....	1,042,239	1,206,433	4,816	4,827	1,047,055	1,211,260
7. Fuel and electricity .....	6,244	6,720	...	...	6,244	6,720
8. Gross input (5 + 6 + 7) .....	1,048,483	1,213,153	122,692	164,877	1,171,175	1,378,030
Value added (3 - 8) .....	492,128 <sup>r</sup>	491,775	47,443	56,302	539,570 <sup>r</sup>	548,077

TABLE 8. Employment and Payroll, 1963 and 1964

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	Manufacturing	Other			
number										\$'000					
1963															
Newfoundland .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia .....	x	x	x	—	x	x	x	x	x	x	x	x	x	x	x
New Brunswick .....	...	...	...	...	...	...	89 <sup>f</sup>	28 <sup>f</sup>	89 <sup>f</sup>	28 <sup>f</sup>	...	...	...	686 <sup>f</sup>	686 <sup>f</sup>
Quebec .....	x	x	x	—	x	x	x	x	x	x	x	x	x	x	x
Ontario .....	19,977	449	6	—	4,935 <sup>f</sup>	1,400 <sup>f</sup>	1,749 <sup>f</sup>	362 <sup>f</sup>	26,667 <sup>f</sup>	2,211 <sup>f</sup>	132,281	31	47,224 <sup>f</sup>	13,743 <sup>f</sup>	193,278 <sup>f</sup>
Manitoba .....	x	x	x	—	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan .....	...	...	...	...	...	...	100 <sup>f</sup>	31 <sup>f</sup>	100 <sup>f</sup>	31 <sup>f</sup>	...	...	...	775 <sup>f</sup>	775 <sup>f</sup>
Alberta .....	...	...	...	...	...	...	127 <sup>f</sup>	37 <sup>f</sup>	127 <sup>f</sup>	37 <sup>f</sup>	...	...	...	970 <sup>f</sup>	970 <sup>f</sup>
British Columbia .....	294	—	66	—	132	46	146 <sup>f</sup>	38 <sup>f</sup>	638 <sup>f</sup>	84 <sup>f</sup>	1,449	301	896	1,249 <sup>f</sup>	3,895 <sup>f</sup>
Yukon and Northwest Terri- tories .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	21,090	453	73	—	5,283 <sup>f</sup>	1,493 <sup>f</sup>	2,747 <sup>f</sup>	588 <sup>f</sup>	29,193 <sup>f</sup>	2,534 <sup>f</sup>	137,091	334	49,391 <sup>f</sup>	21,420 <sup>f</sup>	208,236
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	1,513	2,847	629	33,406	2,620	153,790	381	57,003	23,288	234,551

TABLE 9. Production and Related Workers, — Manufacturing Activity, 1963 and 1964

Month	1963		1964	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	20,488	502	25,489	580
February	20,624	491	25,545	587
March	21,187	488	25,704	586
April	21,790	506	25,917	569
May	22,087	499	26,041	550
June	21,955	488	26,298	487
July	18,030	191	20,243	201
August	13,183	250	20,031	397
September	21,296	447	26,927	597
October	23,218	506	21,114	317
November	24,375	522	26,528	519
December	24,827	541	22,770	325
Averages	21,090	453	24,384	476
Establishments reporting annual averages (small establishments only)	...	...	...	...
Average for all establishments	21,090	453	24,384	476

TABLE 10. Inventories, 1964

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	x	x	x	x	x	x
New Brunswick .....	—	—	—	—	—	—
Quebec .....	x	x	x	x	x	x
Ontario .....	8,409	83,075	29,375	120,859	53,457	174,316
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 .....	16,084	86,541	30,703	133,327	54,245	187,572
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	x	x	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	x
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	—
British Columbia .....	3,856	569	351	4,777	1,080	5,857
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	21,543	108,792	35,506	165,840	58,872	224,712

TABLE 11. Purchased Fuel and Electricity Used in Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	10,941	58,032	623
(b) Imported .....	"	193,694	141,381	1,557
Sub-bituminous coal (from Alberta mines only) .....	"	—	—	—
Anthracite coal .....	"	—	—	—
Lignite coal .....	"	371	158	1
Coke .....	"	—	—	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	2,167,228	2,370,837	621
Fuel oil including kerosene or coal oil .....	"	1,573,625	1,376,058	155
Wood .....	cord	31	46	1
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	778,409	895,712	89
(b) Other manufactured gas .....	M cu. ft.	—	—	—
(c) Natural gas .....	"	694,115	866,500	659
Other fuel .....	...	—	...	—
Electricity purchased .....	kwh.	337,399,281	378,257,668	2,867
Steam purchased .....	...	130	...	144
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	—	...	—
3. All establishments:				
<b>Total fuel and electricity used</b> .....	...	<b>6,244</b>	...	<b>6,720</b>

<sup>1</sup> 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, 1963 and 1964**  
(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>1963</b>	<b>No.</b>						
(a) Passenger cars:							
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	145,182
Other .....	216,914	206,224	443,886	9,894	16,419	216,118	460,304
Station-wagon type:							
2-door .....	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) Trucks (classified according to maximum gross vehicle weight-in pounds):							
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>
(c) Buses or coaches:							
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>
<b>1964</b>							
(a) Passenger cars:							
Convertible cars:							
Soft top .....	30,261	29,788	79,610	574	1,179	30,382	80,789
Hard top:							
2-door .....	96,362	94,600	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:							
Compact models .....	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 .....	—	—	—	—	—	—	—
<b>Totals, passenger cars</b> .....	<b>559,603</b>	<b>520,743</b>	<b>1,170,640</b>	<b>37,467</b>	<b>63,122</b>	<b>558,210</b>	<b>1,233,762</b>
(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	28	53	3,652	17,726
Over 33,000 .....	4,816	4,860	47,107	13	301	4,873	47,408
<b>Totals, trucks</b> .....	<b>107,290</b>	<b>100,554</b>	<b>258,367</b>	<b>7,435</b>	<b>10,166</b>	<b>107,989</b>	<b>268,533</b>
(c) Buses or coaches:							
Complete .....	64	64	2,460	—	—	64	2,460
Chassis only .....	3,333	3,128	8,662	215	3,428	3,343	12,089
<b>Total, buses</b> .....	<b>3,397</b>	<b>3,192</b>	<b>11,122</b>	<b>215</b>	<b>3,428</b>	<b>3,407</b>	<b>14,549</b>
<b>Totals, all vehicles</b> .....	<b>670,290</b>	<b>624,489</b>	<b>1,440,129</b>	<b>45,117</b>	<b>76,716</b>	<b>669,606</b>	<b>1,516,845</b>

TABLE 12A. Factory Shipments<sup>1</sup> of Motor Vehicles, by Types, 1955-64 (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
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	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 <sup>r</sup>	204,381 <sup>r</sup>	508,134 <sup>r</sup>	1,099,249 <sup>r</sup>
1963	530,160	1,148,706	98,427	238,813	628,587	1,387,519
1964	558,210	1,233,762	111,396	283,082	669,606	1,516,844

<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 12B. Factory Shipments of Motor Vehicles, showing Made for Sale in Canada and Made for Export Separately, 1955-64

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					
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
1964	520,743	37,467	558,210	103,746	7,650	111,396

TABLE 12C. Motor Vehicle Shipments by Canadian Producers, by Months, 1963 and 1964

Month	Passenger		Commercial		Total	
	For sale in Canada	For export	For sale in Canada	For export	For sale in Canada	For export
1963	number					
January .....	47,145	1,546	7,244	317	54,389	1,863
February .....	41,021	1,380	7,533	401	48,554	1,781
March .....	42,025	1,505	8,653	341	50,678	1,846
April .....	50,865	1,176	9,326	610	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	6,728	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
1964						
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	4,308
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

Note: Above breakdown developed from a special monthly report on "Motor Vehicle Shipments". Totals do not agree with annual totals in Tables 12, 12A and 12B 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, 1964**

(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. ....	Ste-Thérèse
<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. ....	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
<b>Manitoba:</b>	
Motor Coach Industries Ltd. ....	1149 St. Mathews Ave., Winnipeg
Western Flyer Coach Ltd. ....	702 Broadway Ave., Winnipeg
<b>British Columbia:</b>	
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 56 (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 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 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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