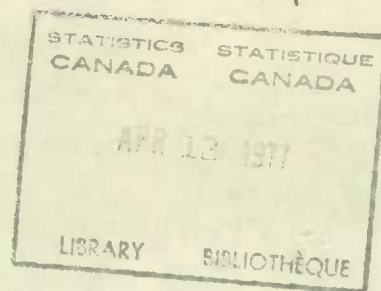


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TRANSPORTATION EQUIPMENT 1958

GENERAL REVIEW

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PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries in the **Transportation Equipment Major Group** are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A — Annual

M — Monthly

Catalogue number	Title	Price
42-201	Transportation Equipment — General Review (A) .....	.50
42-203	Aircraft and Parts Industry (A) .....	.50
42-204	Bicycle Manufacturing Industry (A) .....	.25
42-205	Boatbuilding Industry (A) .....	.50
42-206	Shipbuilding Industry (A) .....	.25
42-209	Motor Vehicles Industry (A) .....	.50
42-210	Motor Vehicles Parts Industry (A) .....	.50
42-211	Railway Rolling Stock Industry (A)50
42-212	Miscellaneous Transportation Equipment Industry (A)25
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42-001	Preliminary Report on Production of Motor Vehicles (M) per year	1.00
42-002	Motor Vehicle Shipments (M) per year	1.00
53-203	Motor Vehicle (A)75
53-204	Motor Vehicle — Preliminary Report on Registrations, etc. (A)50
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63-208	New Motor Vehicle Sales and Motor Vehicle Financing (A)50
31-001	Inventories, Shipments and Orders in Manufacturing Industries (M) per year	4.00
31-201	General Review of the Manufacturing Industries (A)	2.00
65-004	Trade of Canada — Exports (M) per year	7.50
65-007	Trade of Canada — Imports (M) per year	7.50

Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Information Services Division, Dominion Bureau of Statistics, or to the Queen's Printer, Ottawa, Canada.

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EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1958 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1958, are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies

for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value Added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished

goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Short Forms

Prior to 1949 all manufacturing firms, regardless of size, were required to complete a standard form annually covering all census details, but for later years an effort was made to ease the reporting burden for smaller firms which usually do not maintain regular records in the required detail. A modified or short form was introduced in 1949 asking for the total value of shipments only, or in industries with a large number of small firms, for total value of shipments and quantities and values of a few principal products. Using the ratio of value of shipments in the current year to value of shipments in the base year, 1948, estimates of other census data were made for each plant for inclusion in the regular compilations. In general, the cut-off point for short forms was set at \$50,000 gross value of shipments annually, but there were lower cut-offs for a number of industries in which the small firms accounted for a larger share of total shipments. About 40 per cent of the total number of establishments reported on the modified or short form. They accounted for less than 3 per cent of the total value. In 1958, to establish a new base year, the small firms were again asked to report data on employees, salaries and wages, and other principal statistics together with some detail on material and products.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

TRANSPORTATION EQUIPMENT

1958

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The Standard Industrial Classification, which has been used by the Dominion Bureau of Statistics in its compilations since 1949, provides for a separate Transportation Equipment group. This major division includes such industries as aircraft, shipbuilding, motor vehicles, etc., which were formerly classified in the Iron and Steel and their Products group. It also includes the boat building and miscellaneous transportation industries, which were formerly in the wood-using group.

A final analysis of the 1958 reports from the manufactures of transportation equipment in Canada indicates a gross production valued at \$2,075 millions at factory prices. This output value was 8.5 per cent below the corresponding figure for 1957.

Factory shipments by industries were as follows, in millions of dollars; Aircraft, \$462.3; Bicycles, \$6.6; Boat building, \$12.3; Motor vehicles, \$847.3; Motor vehicle parts, \$295.7; Railway rolling stock and parts, \$296.0; Shipbuilding, \$148.3 and Miscellaneous \$7.3.

The distribution of this production by provinces was as follows, in millions of dollars; Ontario, \$1,504.7; Quebec, \$387.4; Manitoba, \$52.5; British Columbia, \$46.2; Nova Scotia, \$39.7; Alberta, \$26.2; New Brunswick, \$17.4 and for Saskatchewan, Prince Edward Island and Newfoundland, \$1.8.

In 1958 a total of 626 factories operated in this group. These works employed 125,976 people who were paid \$553.4 millions for salaries and wages.

Materials used in manufacturing processes cost \$1,153.6 millions and fuel and electricity cost \$20.8 millions.

Note: Figures for value added by manufacture prior to 1952 were obtained by subtracting the cost of materials used, including fuel and electricity, from the value of production. In 1952 the gross value of production was replaced by value of factory shipments, f.o.b. plant, for a number of industries of this group, including bicycles, boat building, motor vehicles, motor vehicle parts and miscellaneous transportation equipment. For these industries in 1953 no information on inventory change is available and the value added figures for this year were obtained by subtracting from the value of shipments the cost of materials, fuel and electricity. In 1954 information on the value of year-end inventory holdings at plant and plant warehouses began to be collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figures. In 1954 and 1955, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the value added figure was further adjusted to take into account the goods in process as well as the finished goods held at plant or plant warehouse.

The figures for value added for the remainder of the industries in this group—aircraft, railway rolling stock and parts and shipbuilding—are obtained, as before, by subtracting the cost of materials used, including fuel and electricity, from the value of production.

TRANSPORTATION EQUIPMENT

TABLE 1. Principal Statistics for the Transportation Equipment Group, by Industries, 1957 and 1958

Industry	Estab- lish- ments	Employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Value added by manufacture ¹	Gross selling value of products at works
	number				dollars		
1957							
Aircraft.....	70 ²	41,616	179,699,179	4,831,700	148,546,515	271,064,498	424,442,713
Bicycles.....	5	659	2,347,661	99,619	2,162,497	4,633,585	6,635,621
Boat building.....	206	1,757	5,343,600	193,817	5,555,869	7,588,823	12,885,931
Motor vehicles.....	16	33,193	143,629,874	5,855,651	658,913,303	282,786,302	948,596,660
Motor vehicle parts.....	205	20,426	82,943,875	4,669,859	164,311,970	144,243,266	315,395,590
Railway rolling stock and parts.....	30	27,909	104,168,142	4,415,818	241,830,731	140,475,504	386,722,053
Shipbuilding.....	68	18,417	71,166,172	2,123,686	63,941,511	101,093,592	167,158,789
Miscellaneous.....	23	662	2,162,878	90,757	2,980,252	4,189,981	7,365,625
Total transportation equipment.....	623	144,639	591,461,381	22,280,907	1,288,242,648	956,075,551	2,269,202,982
1958							
Aircraft.....	75 ²	39,932	182,276,877	4,660,674	176,538,577	281,131,994	462,331,245
Bicycles.....	5	672	2,497,715	98,656	2,211,143	4,404,902	6,624,646
Boat building.....	215	1,733	5,273,824	201,339	5,191,636	7,139,095	12,291,961
Motor vehicles.....	15	26,396	129,718,693	5,263,376	571,501,488	253,945,274	847,342,113
Motor vehicle parts.....	206	18,132	77,730,771	4,374,848	155,921,088	133,476,810	295,741,107
Railway rolling stock and parts.....	29	22,374	87,953,769	4,006,379	188,155,709	103,799,162	295,961,250
Shipbuilding.....	65	16,132	65,883,090	2,055,185	50,673,132	95,602,037	148,330,354
Miscellaneous.....	16	605	2,090,793	89,692	3,376,614	4,007,832	7,285,108
Total transportation equipment.....	626	125,976	553,425,532	20,750,149	1,153,569,387	883,507,106	2,075,907,784

¹ See note to text.² Part of the increases reflected in 1957 and 1958 totals over previous totals results from the inclusion for the first time in 1957 of plants primarily engaged in the servicing and overhaul of aircraft. Overhaul and servicing depots maintained and operated by major airlines as part of their transportation system are not included.**Note:** Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Principal Statistics for the Transportation Equipment Group, by Provinces, 1957 and 1958

Province	Estab- lish- ments	Employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Value added by manufacture ¹	Gross selling value of products at works
	number				dollars		
1957							
Newfoundland.....	5	330	1,031,251	36,409	451,554	1,040,325	1,528,288
Prince Edward Island.....	2						
Nova Scotia.....	57	5,354	18,322,480	818,589	26,622,365	26,117,593	53,406,233
New Brunswick.....	10	2,085	6,835,812	353,353	8,765,805	7,830,844	16,916,131
Quebec.....	119	37,906	148,144,279	4,637,227	201,426,702	210,248,314	416,441,357
Ontario.....	263	82,127	350,827,518	14,720,916	996,500,393	624,420,336	1,638,518,519
Manitoba.....	26	7,006	24,815,262	794,329	25,304,378	28,570,975	54,417,262
Saskatchewan.....	5	16	51,717	3,976	30,995	87,728	125,840
Alberta.....	28	3,666	13,507,795	253,904	12,464,435	15,669,893	28,422,049
British Columbia.....	108	6,149	27,925,267	662,204	16,676,021	42,089,543	59,427,303
Canada.....	623	144,639	591,461,381	22,280,907	1,288,242,648	956,075,551	2,269,202,982
1958							
Newfoundland.....	6	331	1,137,853	39,911	601,304	1,077,494	1,718,709
Prince Edward Island.....	2						
Nova Scotia.....	64	4,488	15,502,226	689,059	17,166,765	21,954,700	39,682,536
New Brunswick.....	9	1,860	6,801,010	339,400	9,108,140	7,978,842	17,407,996
Quebec.....	114	32,149	135,946,506	4,525,800	185,879,654	197,580,848	387,416,167
Ontario.....	265	72,703	336,059,974	13,557,303	891,788,472	580,882,660	1,504,740,337
Manitoba.....	30	6,334	22,987,061	759,225	22,553,494	29,008,138	52,467,718
Saskatchewan.....	3	11	38,182	2,593	19,913	63,782	86,452
Alberta.....	27	3,226	12,283,157	221,166	11,880,042	14,015,887	26,157,640
British Columbia.....	106	4,874	22,669,563	615,692	14,571,603	30,944,755	46,230,220
Canada.....	626	125,976	553,425,532	20,750,149	1,153,569,387	883,507,106	2,075,907,784

¹ See note to text.

TABLE 3. Inventories¹ in the Transportation Group, by Industries, 1958

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Aircraft	36,977,003	25,867,904	6,038,048	68,862,955
Bicycles	648,109	693,917	574,840	1,916,866
Boat building	1,482,416	841,191	869,177	3,192,784
Motor vehicles	10,313,525	59,094,345	25,162,387	94,570,257
Motor vehicle parts	26,397,521	14,440,097	13,060,750	53,898,368
Railway rolling stock	55,741,871	15,881,605	1,383,828	73,007,304
Shipbuilding	15,052,921	12,868,045	156,291	28,077,257
Miscellaneous	1,384,882	206,758	204,022	1,795,662
Total transportation equipment	147,998,248	129,893,862	47,449,343	325,341,453
Closing:				
Aircraft	29,605,539	14,009,711	4,545,505	48,160,755
Bicycles	568,626	743,867	614,945	1,927,438
Boat building	1,520,414	829,372	1,121,105	3,470,891
Motor vehicles	8,407,120	50,832,932	16,791,825	76,031,877
Motor vehicle parts	22,997,054	14,260,685	11,271,801	48,529,540
Railway rolling stock	35,001,076	12,540,847	1,564,411	49,106,334
Shipbuilding	12,950,474	11,390,812	154,604	24,495,890
Miscellaneous	1,184,480	207,847	391,963	1,784,290
Total transportation equipment	112,234,783	104,816,073	36,456,159	253,507,015

¹ See footnote 1 below.TABLE 4. Inventories¹ in the Transportation Group, by Provinces, 1958

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Newfoundland and Prince Edward Island	15,657	32,156	22,000	69,813
Nova Scotia	2,806,301	3,289,513	237,427	6,333,241
New Brunswick	671,793	495,596	66,206	1,233,595
Quebec	51,837,577	28,611,873	3,828,422	84,277,872
Ontario	75,328,774	94,943,669	41,778,177	212,050,620
Manitoba	8,562,297	1,033,262	778,336	10,373,895
Saskatchewan	18,416	..	9,231	27,647
Alberta	4,069,626	92,131	211,640	4,373,397
British Columbia	4,687,807	1,395,662	517,904	6,601,373
Canada	147,998,248	129,893,862	47,449,343	325,341,453
Closing:				
Newfoundland and Prince Edward Island	21,937	12,709	10,000	44,646
Nova Scotia	2,279,669	3,655,832	326,719	6,262,220
New Brunswick	645,734	570,999	83,523	1,300,256
Quebec	33,234,087	15,097,569	3,256,425	51,588,081
Ontario	60,142,327	82,021,654	31,638,344	173,802,325
Manitoba	7,103,060	767,283	545,474	8,415,817
Saskatchewan	20,510	..	9,067	29,577
Alberta	3,925,704	100,066	162,784	4,188,554
British Columbia	4,861,755	2,589,961	423,823	7,875,539
Canada	112,234,783	104,816,073	36,456,159	253,507,015

¹ Book value of all manufacturing inventories owned and held at plant and plant warehouses.

Note: Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Transportation Equipment group for the year under review are shown in Tables 3 and 4.

The opening inventory for the current year may not necessarily agree with the closing inventory published the previous year because of changes in the composition of the group such as: the addition of new establishments, the disappearance of old ones, or the transfer of establishments to other industries for statistical purposes. The figure for "Value added by manufacture" for the previous year does not need to be altered, because of such changes in the composition of the group.

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TABLE 5. Employees and Earnings in the Transportation Equipment Group, by Industries, 1957 and 1958

Industry	Employees					Earnings		
	Supervisory and office		Production and related workers		Total	Super- visory and office	Production and related workers	Total
	Male	Female	Male	Female				
	number					thousands of dollars		
1957								
Aircraft	11,580	3,376	25,926	734	41,616	74,218	105,481	179,699
Bicycles	106	60	440	53	659	733	1,614	2,347
Boat building	319	61	1,365	12	1,757	1,230	4,114	5,344
Motor vehicles	6,503	1,713	24,581	396	33,193	43,442	100,188	143,630
Motor vehicle parts	3,314	1,116	13,895	2,101	20,426	22,632	60,312	82,944
Railway rolling stock	2,595	345	24,935	34	27,909	14,774	89,394	104,168
Shipbuilding	2,293	599	15,477	48	18,417	12,355	58,811	71,166
Miscellaneous	86	32	389	155	662	651	1,512	2,163
Total transportation equipment	26,796	7,302	107,008	3,533	144,639	170,035	421,426	591,461
1958								
Aircraft	11,776	3,274	24,288	594	39,932	78,896,742	103,380,135	182,276,877
Bicycles	123	63	431	55	672	837,735	1,659,980	2,497,715
Boat building	308	71	1,338	16	1,733	1,189,687	4,084,137	5,273,824
Motor vehicles	5,831	1,437	18,795	333	26,398	42,423,389	87,295,304	129,718,693
Motor vehicle parts	3,149	1,032	12,140	1,811	18,132	22,597,535	55,133,236	77,730,771
Railway rolling stock	2,476	295	19,569	34	22,374	14,922,642	73,031,127	87,953,769
Shipbuilding	1,919	526	13,646	41	16,132	11,360,656	54,522,434	65,883,090
Miscellaneous	75	31	389	110	605	636,642	1,454,151	2,090,793
Total transportation equipment	25,657	6,729	90,596	2,994	125,976	172,865,028	380,560,504	553,425,532

TABLE 6. Employees and Earnings in the Transportation Equipment Group, by Provinces, 1957 and 1958

Province	Employees					Earnings		
	Supervisory and office		Production and related workers		Total	Super- visory and office	Production and related workers	Total
	Male	Female	Male	Female				
	number					thousands of dollars		
1957								
Newfoundland	28	3	299	—	330	112	919	1,031
Prince Edward Island								
Nova Scotia	396	185	4,711	62	5,354	2,185	16,137	18,322
New Brunswick	228	28	1,827	2	2,085	895	5,941	6,836
Quebec	6,772	1,551	29,168	415	37,906	40,704	107,440	148,144
Ontario	17,566	4,948	56,694	2,919	82,127	115,326	235,501	350,827
Manitoba	715	204	6,010	77	7,006	4,001	20,814	24,815
Saskatchewan	7	1	8	—	16	26	26	52
Alberta	361	171	3,085	49	3,666	2,233	11,275	13,508
British Columbia	723	211	5,206	9	6,149	4,553	23,373	27,926
Canada	26,796	7,302	107,008	3,533	144,639	170,035	421,426	591,461
1958								
Newfoundland	29	2	300	..	331	128,601	1,009,252	1,137,853
Prince Edward Island								
Nova Scotia	389	160	3,899	40	4,488	2,123,301	13,378,925	15,502,226
New Brunswick	250	28	1,574	8	1,860	1,016,277	5,787,733	6,801,010
Quebec	6,521	1,421	23,866	341	32,149	42,809,107	93,137,399	135,946,506
Ontario	16,710	4,562	48,913	2,518	72,703	116,140,329	219,919,645	336,059,974
Manitoba	759	202	5,332	41	6,334	4,186,221	18,800,840	22,987,061
Saskatchewan	6	..	5	..	11	19,781	18,401	38,182
Alberta	328	151	2,708	39	3,226	2,112,949	10,170,208	12,283,157
British Columbia	665	203	3,999	7	4,874	4,328,462	18,341,101	22,669,563
Canada	25,657	6,729	90,596	2,994	125,976	172,865,028	380,560,504	553,425,532

TABLE 7. Wage-earners Employed in the Transportation Equipment Group, by Months and by Industries, 1957 and 1958¹

Month	Aircraft	Bicycles	Boat building	Motor vehicles	Motor vehicle parts	Railway rolling stock	Ship-building	Miscellaneous	Total transportation equipment
number									
1957									
January	25,781	489	1,411	29,565	17,650	26,581	14,982	580	117,039
February	26,045	487	1,475	26,209	16,957	25,551	16,097	541	113,362
March	26,628	491	1,594	28,671	16,756	26,097	16,795	539	117,571
April	26,271	513	1,618	28,358	17,238	26,481	16,953	556	117,988
May	26,814	523	1,698	27,340	17,340	25,983	16,609	553	116,860
June	27,207	520	1,595	27,002	16,984	25,604	16,045	504	115,461
July	26,900	522	1,269	25,334	16,041	25,336	15,395	502	111,299
August	27,083	508	1,086	20,045	14,260	24,030	15,497	537	103,046
September	27,130	485	1,113	16,562	14,114	23,721	14,927	543	98,595
October	27,180	477	1,160	23,697	15,022	23,940	14,807	544	106,827
November	26,806	461	1,228	24,674	15,059	23,442	14,571	614	106,855
December	26,104	449	1,219	22,277	14,601	22,887	13,604	503	101,644
Average	26,660	493	1,377	24,977	15,996	24,969	15,525	544	110,541
1958									
January	25,624	419	861	17,596	13,529	22,217	14,710	444	95,600
February	25,491	436	912	21,057	13,642	21,939	15,192	456	99,125
March	25,089	462	982	21,419	13,782	22,023	16,436	493	100,686
April	24,943	481	1,075	21,121	14,181	21,186	16,697	512	100,196
May	24,919	473	1,075	21,401	14,694	21,565	16,903	500	101,530
June	25,181	510	970	20,527	14,503	21,206	16,407	468	99,772
July	24,926	523	770	18,264	11,345	18,733	14,278	457	89,296
August	24,893	503	692	13,240	11,827	17,961	10,612	484	60,212
September	24,800	504	640	18,554	13,643	17,498	10,010	530	86,179
October	24,379	519	719	13,886	14,062	17,595	11,296	518	82,974
November	24,099	515	823	21,442	14,469	16,827	11,042	461	89,698
December	24,018	491	827	21,037	14,734	16,501	10,644	500	88,752

¹ See footnote to Table 8.TABLE 8. Wage-earners Employed in the Transportation Equipment Group, by Months and by Provinces, 1957 and 1958¹

Month	Newfoundland and Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
number										
1957										
January	270	4,965	2,111	28,441	66,626	6,121	6	3,240	5,259	117,039
February	257	4,959	2,173	28,791	62,534	6,113	6	3,227	5,302	113,362
March	288	4,893	2,145	30,267	65,118	6,132	7	3,243	5,478	117,571
April	298	5,098	2,189	30,915	64,584	6,221	8	3,235	5,440	117,988
May	306	4,787	1,938	31,118	63,531	6,299	9	3,264	5,608	116,860
June	311	4,946	1,708	30,681	62,749	6,233	9	3,292	5,532	115,461
July	298	4,828	1,745	30,006	59,572	6,234	9	3,292	5,315	111,299
August	334	4,584	1,573	30,017	51,978	6,105	8	3,217	5,230	103,046
September	352	4,592	1,531	29,162	48,480	5,992	8	3,050	5,428	98,595
October	312	4,455	1,617	29,502	56,897	5,935	8	2,925	5,176	106,827
November	291	4,648	1,601	28,869	58,088	5,872	8	2,811	4,667	106,855
December	272	4,523	1,625	27,237	55,218	5,784	7	2,757	4,221	101,644
Average	299	4,773	1,829	29,583	59,613	6,087	8	3,134	5,215	110,541
1958										
January	281	3,981	1,546	26,964	50,273	5,775	..	2,811	3,969	95,600
February	284	4,019	1,500	27,147	53,825	5,747	..	2,752	3,851	99,125
March	314	3,938	1,738	27,716	54,532	5,743	..	2,722	3,983	100,686
April	308	3,956	1,655	27,754	54,214	5,619	..	2,729	3,961	100,196
May	302	4,288	2,067	27,424	55,004	5,534	..	2,759	4,152	101,530
June	306	4,270	2,052	26,831	54,028	5,379	..	2,760	4,146	99,772
July	302	3,719	1,880	23,766	47,762	5,327	..	2,754	3,786	89,296
August	300	3,356	1,272	20,615	43,024	5,191	..	2,754	3,700	80,212
September	307	3,578	1,279	19,646	49,821	5,028	..	2,694	3,826	86,179
October	296	3,887	1,284	20,939	45,360	4,936	..	2,642	3,630	82,974
November	295	3,461	1,292	20,388	53,240	4,902	..	2,636	3,484	89,698
December	276	3,628	1,333	19,405	53,087	4,916	..	2,637	3,470	88,752

¹ Data in Tables 7 and 8 for 1958 are not strictly comparable with those for previous years since they relate only to establishments generally reporting value of factory shipments of \$100,000 and over. For total average number of production workers in 1958 (including estimates of small firms) see Tables 5 and 6.

TABLE 9. Alphabetical List of Materials Used in the Industries in the Transportation Equipment Group, 1957 and 1958

Note: The figures given for the individual items which are listed below are incomplete for the group, as the detailed breakdown of materials used in the motor vehicles and aircraft industries is not available.

Material		1957		1958	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Aluminum, all forms	lb.	12,881,017	5,453,018	10,173,031	4,100,833
Babbitt metal and solders	"	1,386,441	658,921	1,195,544	546,474
Bars and rods, steel, except alloy	ton	82,842	14,548,252	63,418	10,995,654
Boilers, purchased .....		..	707,670	..	759,753
Brass and bronze, all forms	lb.	16,536,327	8,895,952	14,724,257	6,952,888
Coke (charged to cupolas, etc.)	ton	37,118	1,206,065	30,791	1,008,006
Copper, all forms	lb.	8,786,115	4,398,274	7,689,809	3,575,031
Core oil	Imp. gal.	85,194	84,706	70,419	69,719
Cupola blocks and firebrick .....		..	156,647	..	102,451
Electrical goods (including motors) .....		..	3,205,252	..	2,989,239
Engines, purchased .....		..	6,521,182	..	5,903,957
Fabrics .....		..	242,794	..	165,984
Ferro-alloys .....		..	483,686	..	372,597
Fireclay	ton	2,761	78,453	2,393	69,746
Iron, pig	"	33,532	2,088,210	31,578	2,009,422
Iron and steel, n.e.s., except alloy .....		..	26,307,921	..	20,784,826
Lead, all forms	lb.	298,539	67,476	180,897	36,304
Lumber and timber	M bd. ft.	106,840	13,914,194	60,789	8,124,035
Machinery (auxiliary), purchased .....		..	9,559,070	..	6,807,471
Metals, non-ferrous, n.e.s. ....		..	118,786	..	83,043
Nickel, all forms	lb.	1,051,644	822,589	844,466	669,749
Paints, oils and varnishes .....		..	3,093,900	..	2,761,045
Parts for bicycles .....		..	427,899	..	653,314
Parts for railway cars and locomotives .....		..	74,520,573	..	53,020,940
Pipe, tubes and fittings, iron and steel .....		..	7,173,308	..	6,896,619
Plates, steel (3/16" and thicker), except alloy	ton	168,797	24,848,251	112,422	16,821,871
Plumbago and graphite	lb.	219,199	20,566	291,135	27,424
Plywood	M surface ft.	1,451	333,308	1,067	288,456
Sands, moulding	ton	6,168	71,984	6,935	92,114
Sands, core	"	31,286	127,573	25,940	90,407
Scrap, iron and steel:					
Own make	"	64,201	3,238,783	55,464	2,370,392
Purchased	"	121,353	4,186,662	109,271	4,445,319
Sheets, steel:					
Galvanized	"	12,654	2,066,693	9,156	1,576,778
Plain (black), except alloy	"	65,741	9,512,970	50,312	7,631,791
Tinplate	"	802	147,055	482	95,815
Springs, railway car .....		..	1,105,443	..	914,213
Strip, steel, except alloy	ton	25,254	3,969,795	21,808	3,720,991
Structural shapes, steel, except alloy	"	81,099	11,465,386	51,661	7,492,894
Steel, alloy, all kinds .....		..	8,762,739	..	8,519,364
Tin	lb.	31,045	32,309	19,507	20,656

TABLE 9. Alphabetical List of Materials Used in the Industries in the Transportation Equipment Group, 1957 and 1958 — Concluded

Material	1957		1958	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Tubing for bicycle frames .....	..	23,041	..	25,179
Veneer M surface ft.	10,093	265,296	6,407	225,905
Wheels (carriage, wagon, etc.) No.	4,400	34,926	3,700	28,475
Wheels for railway cars .....	..	13,639,962	..	13,146,664
Wire, steel, except alloy	ton	6,384	1,359,459	4,907
Zinc, all forms	lb.	4,494,064	859,591	3,182,705
Containers and packing materials .....	...	2,182,296	...	2,104,522
All materials used in aircraft manufacturing industry .....	..	148,546,515	..	176,538,577
All materials used in automobile manufacturing industry .....	..	658,761,153	..	571,501,488
All other materials .....	...	207,946,074	...	194,760,028
Totals .....	...	1,288,242,648	...	1,153,569,387

TABLE 10. Principal Statistics of the Transportation Equipment Group, classified according to Size of Establishment, 1958

Size group	Estab-lish-ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
(a) Gross production or factory shipments						
Under \$10,000	75	135	266,189	14,109	194,834	427,438
\$10,000 to \$24,999	82	283	676,152	41,683	563,843	1,358,476
\$25,000 " \$49,999	68	392	1,124,360	55,679	997,851	2,508,826
\$50,000 " \$99,999	61	630	1,875,288	78,463	1,823,021	4,416,116
\$100,000 " \$199,999	74	1,285	4,610,527	222,590	4,177,112	10,932,093
\$200,000 " \$499,999	77	2,388	8,989,402	329,540	10,161,498	23,784,765
\$500,000 " \$999,999	53	12,444	58,849,048	1,015,228	42,269,625	37,335,871
\$1,000,000 " \$4,999,999	85	18,202	71,863,787	2,709,533	91,909,701	203,719,153
\$5,000,000 and over	51	89,645	401,096,457	16,283,324	1,001,471,902	1,791,425,046
Head offices .....	...	572	4,074,322	...	...	...
Totals	626	125,976	553,425,532	20,750,149	1,153,569,387	2,075,907,784
(b) Employees						
Under 5 employees	176	429	1,133,385	65,541	2,332,200	4,252,056
5 to 14	134	1,155	3,728,681	177,380	4,883,004	10,763,115
15 " 49	138	3,764	14,060,733	586,405	18,376,389	40,994,070
50 " 99	51	3,484	13,736,917	527,457	20,656,118	42,924,051
100 " 199	43	5,951	23,172,659	894,133	36,004,941	78,309,692
200 " 499	34	10,913	44,416,594	2,153,011	65,156,309	141,174,404
500 " 999	25	16,913	71,630,132	2,776,499	128,806,236	224,835,275
1,000 " 1,499	7	8,228	33,229,567	1,737,176	98,831,421	144,702,865
1,500 and over	18	74,888	344,242,342	11,832,547	778,522,769	1,387,952,256
Head offices .....	..	572	4,074,322	..	..	..
Totals	626	125,976	553,425,532	20,750,149	1,153,569,387	2,075,907,784

TABLE 11. Fuel and Electricity Used in the Manufacture of Transportation Equipment in Canada, by Industries and by Provinces, 1958

No.		Bituminous coal		Sub-bituminous coal from Alberta mines only	Anthracite coal	Lignite coal	Coke (for fuel only)	Gasoline (including gasoline used in cars and trucks)
		From Canadian mines	Imported					
		tons						Imp. gal.
	(a) By industries							
1	Aircraft:							
2	Quantity	11,513	17,116	—	—	208	—	934,796
	Cost	\$ 140,452	200,999	—	—	1,635	—	345,695
3	Bicycles:							
4	Quantity	—	3,408	—	5	—	—	1,000
	Cost	\$ —	44,093	—	100	—	—	400
5	Boat building:							
6	Quantity	920	528	—	8	—	—	58,368
	Cost	\$ 13,872	8,958	—	218	—	—	23,609
7	Motor vehicles:							
8	Quantity	292	253,886	—	—	1,130	3,504	1,577,538
	Cost	\$ 4,885	2,527,324	—	—	6,175	94,714	434,896
9	Motor vehicle parts:							
10	Quantity	4,094	59,012	—	62	270	—	683,826
	Cost	\$ 46,092	662,896	—	1,185	1,998	—	243,962
11	Railway rolling stock and parts:							
12	Quantity	29,004	74,900	—	10,598	87,898	3,341	216,814
	Cost	\$ 322,390	767,389	—	115,218	168,197	106,936	69,623
13	Shipbuilding:							
14	Quantity	4,657	11,634	—	28	—	217	403,962
	Cost	\$ 70,353	146,846	—	1,073	—	5,867	150,745
15	Miscellaneous:							
16	Quantity	223	936	—	6	—	1	31,317
	Cost	\$ 3,394	12,154	—	160	—	25	13,673
	(b) By provinces							
17	Newfoundland and Prince Edward Island:							
18	Quantity	269	—	—	2	—	6	6,068
	Cost	\$ 5,880	—	—	58	—	200	2,372
19	Nova Scotia:							
20	Quantity	16,726	—	—	—	—	109	92,024
	Cost	\$ 216,140	—	—	—	—	2,431	35,658
21	New Brunswick:							
22	Quantity	12,924	—	—	40	—	—	17,760
	Cost	\$ 123,733	—	—	1,161	—	—	6,189
23	Quebec:							
24	Quantity	13,787	60,765	—	5	—	3,281	883,424
	Cost	\$ 169,840	635,196	—	100	—	105,847	330,460
25	Ontario:							
26	Quantity	5,203	360,265	—	10,593	—	3,612	2,544,615
	Cost	\$ 62,653	3,727,018	—	115,275	—	97,895	774,382
27	Manitoba:							
28	Quantity	763	181	—	—	89,506	—	156,400
	Cost	\$ 6,791	4,035	—	—	178,005	—	58,689
29	Saskatchewan:							
30	Quantity	—	—	—	—	—	—	—
	Cost	\$ —	—	—	—	—	—	—
31	Alberta:							
32	Quantity	90	—	—	—	—	4	58,811
	Cost	\$ 900	—	—	—	—	53	21,760
33	British Columbia:							
34	Quantity	941	209	—	67	—	51	148,519
	Cost	\$ 15,501	4,410	—	1,360	—	1,116	53,093

Note: Data in this table relate only to establishments generally reporting value of factory shipments of \$100,000 and over. For total value of fuel and electricity used (including estimates for small firms), see Tables 1 and 2.

TABLE 11. Fuel and Electricity Used in the Manufacture of Transportation Equipment in Canada,
by Industries and by Provinces, 1958

Fuel, kerosene and coal oil (not including lubricating oil)	Wood (cords of 128 cubic ft. of piled wood)	Gas			Other fuel	Electricity		Steam, purchased	Total	No.
		Liquefied petroleum gases (pro- pane, etc.)	Other manu- factured gas	Natural gas		Purchased	Generated for own use			
Imp. gal.	cords	Imp. gal.	M cu. ft.			kwh.				
9,801,702 895,774	10 120	61,729 17,697	12,894 11,103	153,666 65,756	1,237,209	159,759,907 1,720,692	— —	23,542	4,660,674	1 2
11,472 1,977	10 100	80,982 10,780	— —	140 144	— —	2,707,650 41,062	— —	— —	98,656	3 4
147,806 22,615	579 7,009	1,566 679	— —	800 585	— 53	2,595,413 51,042	— —	— —	128,640	5 6
539,358 68,567	— —	476,704 64,073	— —	500,365 388,966	— 540	189,400,582 1,558,633	80,748,000 —	114,603	5,263,376	7 8
5,943,632 706,858	37 411	392,272 57,047	23,015 22,907	362,622 322,898	— 6,647	204,320,818 2,191,031	— —	60,685	4,324,617	9 10
8,951,036 1,008,432	63 425	36,617 21,150	25,146 26,354	270,655 92,940	— 36,928	153,816,998 1,270,397	758,000 —	— —	4,006,379	11 12
5,382,158 679,353	— —	31,872 9,887	1,000 1,095	— —	— 111,939	74,915,069 878,027	151,380 —	— —	2,055,185	13 14
142,126 18,527	10 170	1,800 378	— —	282 226	— —	2,052,220 37,837	— —	— —	86,544	15 16
143,333 13,772	— —	— —	— —	— —	— —	705,580 17,186	— —	— —	39,468	17 18
1,615,578 180,471	89 912	— —	— —	— —	— 3	14,162,608 241,488	50,000 —	— —	677,103	19 20
584,526 66,917	200 3,600	6,000 3,132	— —	— —	— 8,425	6,956,704 124,132	101,380 —	— —	337,289	21 22
12,366,620 1,293,487	61 812	90,403 37,387	12,982 11,283	16,846 17,933	— 345,426	177,051,111 1,545,616	— —	— —	4,493,387	23 24
13,173,689 1,458,622	343 2,772	960,180 134,758	47,356 47,302	909,465 772,898	— 971,862	535,076,516 5,150,302	80,766,000 —	198,830	13,514,569	25 26
1,552,545 207,792	— —	— —	— —	791 630	— 3,098	28,403,488 293,822	740,000 —	— —	752,862	27 28
— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	29 30
84,970 10,986	— —	4,666 910	— —	363,362 76,805	— 150	7,995,709 106,727	— —	— —	218,201	31 32
1,398,029 170,146	16 139	22,293 5,504	1,717 2,874	3,066 3,249	— 64,352	19,216,941 269,448	— —	— —	591,192	33 34

TABLE 12. Total Horsepower Rating of Power Equipment in Use or Available for Use at the End of 1958 in the Transportation Equipment Group of Industries

Type of equipment	Driving generators	Not driving generators
	horsepower	
Prime movers:		
Steam engines	4,855	6,011
Steam turbines	111,563	3,988
Diesel engines	4,254	3,228
Gasoline, gas and oil engines, other than diesel engines	1,396	5,377
Hydraulic turbines or water wheels	—	600
Totals	122,068	19,204
Electric motors (one quarter horsepower and over)	—	577,487

TABLE 13. New Investment in Durable Physical Assets and Repair and Maintenance, in the Transportation Equipment Group, 1954 - 58

Year	New investment			Repair and maintenance			Total
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	
	millions of dollars						
1954	21.0	44.3	65.3	10.9	30.1	41.0	106.3
1955	20.2	34.1	54.3	10.5	28.0	38.5	92.8
1956	16.7	43.6	60.3	10.6	32.0	42.6	102.9
7	18.0	44.2	62.2	11.6	33.9	45.5	107.7
.....	16.6	37.7	54.3	10.4	30.7	41.1	95.4

Note: Data for 1958 shown above are final and may differ slightly from the preliminary figures shown in the separate industry bulletins.

Note: For data on production of transportation equipment in 1958 refer to the separate industry reports in this series as outlined on the back of the cover page of this report. The more important items and the pertinent Tables are as follows:

	Catalogue No. (Annual)	Table
Aircraft	42-203	4
Bicycles	42-204	3
Motor vehicles	42-209	3 and 4
Motor vehicle parts	42-210	5
Naval and commercial vessels	42-206	3
Railway cars and locomotives	42-211	3
Row boats, canoes, etc.	42-205	3
Wagons and sleighs	42-212	3

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