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# TRANSPORTATION EQUIPMENT

## 1956

### GENERAL REVIEW

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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I — General Review of the Manufacturing Industries,
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
  - Section A. Summary for Canada
  - Section B. Atlantic Provinces
  - Section C. Quebec
  - Section D. Ontario
  - Section E. Prairie Provinces
  - Section F. British Columbia
  - Section G. The Manufacturing Industries of Canada, Regional Distribution
- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
- V — Rubber Products
- VI — Leather Products
- VII — Textile Mills
- VIII — Knitting Mills
- IX — Clothing
- X — Wood and Paper Products
- XI — Printing Trades
- XII — Iron and Steel Products
- XIII — Transportation Equipment
- XIV — Non-ferrous Metal Products
- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

The present report belongs in Part XIII, Transportation Equipment. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A — General Review
- B — The Aircraft and Parts Industry
- C — The Bicycle Manufacturing Industry
- D — The Boat Building Industry
- E — The Motor Vehicles Industry
- F — The Motor Vehicle Parts Industry
- G — The Railway Rolling Stock Industry
- H — The Shipbuilding Industry
- I — The Miscellaneous Transportation Equipment Industry

Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.

12 March '59

# TRANSPORTATION EQUIPMENT

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## GENERAL REVIEW

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 1956 reports from the manufacturers of transportation equipment in Canada indicates a gross production valued at \$2,193 millions at factory prices. This output value was 12.4 per cent above the corresponding figure for 1955.

All industries in this group showed increases in output, the values being as follows, in million of dollars — aircraft, \$354.5; bicycles, \$6.4; boat building, \$11.5; motor vehicles, \$988.1; motor vehicle parts, \$329.5; railway rolling stock and parts, \$345.5; shipbuilding, \$147.2 and miscellaneous transportation equipment, \$10.1.

The distribution of this production by provinces was as follows, in millions of dollars — Ontario, \$1,647.1; Quebec, \$352.0; Manitoba, \$48.1; British Columbia, \$54.3; Nova Scotia, \$49.8; Alberta, \$24.3;

New Brunswick, \$16.6 and for Saskatchewan, Prince Edward Island and Newfoundland a total of \$0.3.

In 1956 a total of 591 factories operated in this group. These works employed a total of 141,257 people who were paid \$553.6 millions for salaries and wages. Materials used in manufacturing processes cost \$1,286.3 millions and fuel and electricity cost \$21.3 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, 1955 and 1956

Industry	Establishments	Employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Value added by manufacture <sup>1</sup>	Gross selling value of products at works
number							
dollars							
1955							
Aircraft	52	33,036	130,269,009	4,683,562	140,831,164	208,800,111	354,314,837
Bicycles	6	640	2,141,014	107,543	1,529,113	4,146,004	5,875,752
Boat building	204	1,666	4,177,319	153,735	4,397,785	5,544,205	10,267,548
Motor vehicles	15	33,429	134,661,758	4,499,463	631,181,084	269,601,907	907,410,923
Motor vehicle parts	188	19,996	74,581,239	3,981,718	149,004,157	130,778,716	285,070,612
Railway rolling stock and parts	32	25,400	86,257,623	3,940,088	139,475,062	102,324,180	245,739,330
Shipbuilding	70	16,829	56,167,658	1,621,654	47,335,389	84,879,899	133,836,942
Miscellaneous	27	793	2,179,376	88,513	4,015,082	3,672,985	7,894,091
Total transportation equipment	594	131,789	490,434,996	19,076,276	1,117,768,836	809,748,007	1,950,410,035
1956							
Aircraft	52	35,563	146,428,014	4,084,546	138,155,854	212,269,685	354,510,085
Bicycles	5	627	2,192,024	102,334	2,064,977	4,190,887	6,424,483
Boat building	197	1,711	4,758,317	180,689	5,049,849	6,595,758	11,507,160
Motor vehicles	16	35,099	149,948,223	5,978,809	697,299,987	298,259,463	988,143,273
Motor vehicle parts	198	21,471	82,361,857	4,607,091	177,584,923	154,511,216	329,525,120
Railway rolling stock and parts	29	28,118	100,729,171	4,384,127	207,028,080	134,093,999	345,516,206
Shipbuilding	67	17,782	64,685,550	1,879,263	54,130,593	91,188,806	147,198,662
Miscellaneous	27	886	2,468,670	119,217	4,983,141	5,044,853	10,109,986
Total transportation equipment	591	141,257	553,571,826	21,346,076	1,286,297,404	906,154,667	2,192,934,975

<sup>1</sup> See footnote to Text.

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, 1955 and 1956

Province	Establishments	Employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Value added by manufacture <sup>1</sup>	Gross selling value of products at works
number							
dollars							
1955							
Newfoundland	4	47	115,356	9,211	106,674	139,342	255,612
Prince Edward Island	1						
Nova Scotia	59	4,683	14,311,177	560,919	14,979,681	18,644,372	34,233,709
New Brunswick	10	2,473	7,028,876	340,373	6,928,950	8,904,393	16,173,716
Quebec	118	31,197	110,463,879	3,777,337	121,672,511	155,564,474	281,343,672
Ontario	240	79,789	312,110,672	13,047,231	932,192,669	565,078,192	1,513,678,038
Manitoba	28	6,184	19,746,890	647,590	18,551,193	22,390,454	41,551,534
Saskatchewan	7	16	36,974	3,310	28,134	58,801	90,309
Alberta	23	2,831	9,251,106	274,881	9,082,564	10,036,263	19,389,748
British Columbia	104	4,569	17,370,266	415,424	14,226,460	28,931,716	43,693,697
Canada	594	131,789	490,434,996	19,076,276	1,117,768,836	809,748,007	1,950,410,035
1956							
Newfoundland	4	45	110,010	8,229	80,948	139,537	228,736
Prince Edward Island	1						
Nova Scotia	58	5,310	16,530,988	696,918	24,010,191	25,093,403	49,870,296
New Brunswick	8	2,219	6,705,990	315,103	8,069,124	8,334,876	16,680,411
Quebec	115	33,927	127,374,722	4,370,297	162,769,485	184,781,090	352,018,841
Ontario	249	84,391	345,631,105	14,447,715	1,038,786,265	614,522,337	1,647,169,029
Manitoba	28	6,604	22,833,892	676,915	23,289,773	24,308,367	48,179,474
Saskatchewan	5	16	43,980	3,090	36,501	66,727	106,359
Alberta	22	3,054	10,658,084	239,782	12,413,531	11,757,040	24,343,894
British Columbia	101	5,091	23,683,055	588,027	16,841,586	37,151,290	54,337,935
Canada	591	141,257	553,571,826	21,346,076	1,286,297,404	906,154,667	2,192,934,975

<sup>1</sup> See footnote to text.

TABLE 3. Inventories<sup>1</sup> in the Transportation Group, by Industries, 1956

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
<b>Opening:</b>				
Aircraft.....	35,052,163	9,717,642	2,330,358	47,100,163
Bicycles.....	518,928	617,720	457,242	1,593,890
Boat building.....	1,091,452	661,375	501,418	2,254,245
Motor vehicles.....	10,884,013	57,051,734	15,039,491	82,975,238
Motor vehicle parts.....	28,846,198	12,429,721	8,758,490	50,034,409
Railway rolling stock.....	31,173,122	13,866,661	2,089,795	47,129,578
Shipbuilding.....	10,357,098	10,045,905	84,285	20,487,288
Miscellaneous.....	870,695	465,384	138,784	1,474,863
<b>Total transportation equipment.....</b>	<b>118,793,669</b>	<b>104,856,142</b>	<b>29,399,863</b>	<b>253,049,674</b>
<b>Closing:</b>				
Aircraft.....	33,425,126	9,337,609	3,115,518	45,878,253
Bicycles.....	547,968	573,268	435,409	1,556,645
Boat building.....	1,230,328	956,852	525,077	2,712,257
Motor vehicles.....	12,090,622	64,505,045	20,981,166	97,576,833
Motor vehicle parts.....	30,658,579	17,437,689	10,928,632	59,024,900
Railway rolling stock.....	46,483,760	22,783,559	1,159,091	70,426,410
Shipbuilding.....	11,709,500	11,745,071	35,486	23,490,057
Miscellaneous.....	1,349,887	355,712	285,681	1,991,280
<b>Total transportation equipment.....</b>	<b>137,496,770</b>	<b>127,694,805</b>	<b>37,466,060</b>	<b>302,656,635</b>

<sup>1</sup> See footnotes to Table 4.TABLE 4. Inventories<sup>1</sup> in the Transportation Group, by Provinces, 1956

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
<b>Opening:</b>				
Newfoundland and Prince Edward Island .....	3,428	2,719	420	6,567
Nova Scotia .....	1,981,030	4,317,676	172,330	6,471,036
New Brunswick .....	508,139	128,391	—	636,530
Quebec .....	23,856,130	14,109,646	2,267,810	40,233,786
Ontario .....	78,817,265	82,253,092	26,105,643	187,176,000
Manitoba .....	7,045,961	1,023,878	470,616	8,540,455
Saskatchewan .....	33,799	—	16,413	50,212
Alberta .....	3,088,183	131,598	191,296	3,411,077
British Columbia .....	3,459,734	2,888,942	125,335	6,524,011
<b>Canada .....</b>	<b>118,793,669</b>	<b>104,856,142</b>	<b>29,399,863</b>	<b>253,049,674</b>
<b>Closing:</b>				
Newfoundland and Prince Edward Island .....	16,308	989	24,404	43,701
Nova Scotia .....	2,327,146	8,427,208	93,256	10,847,810
New Brunswick .....	658,995	443,716	49,000	1,151,711
Quebec .....	33,782,515	19,550,593	2,668,895	56,002,003
Ontario .....	83,321,254	95,607,021	33,582,019	212,510,294
Manitoba .....	6,197,110	882,955	386,091	9,466,156
Saskatchewan .....	30,441	—	16,372	46,813
Alberta .....	4,096,856	188,909	199,855	4,485,620
British Columbia .....	5,063,145	2,593,414	446,168	8,102,727
<b>Canada .....</b>	<b>137,496,770</b>	<b>127,694,805</b>	<b>37,466,060</b>	<b>302,656,635</b>

<sup>1</sup> 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.

## TRANSPORTATION EQUIPMENT

TABLE 5. Employees and Earnings in the Transportation Equipment Group, by Industries, 1955 and 1956

Industry	Number of employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female		Male	Female	
1955								
Aircraft .....	9,092	2,622	20,746	576	33,036	52,199	78,070	130,269
Bicycles .....	113	49	418	60	640	673	1,468	2,141
Boat building .....	303	58	1,285	20	1,668	946	3,231	4,177
Motor vehicles .....	5,736	1,557	25,790	346	33,429	36,297	98,365	134,662
Motor vehicle parts .....	2,966	995	13,662	2,373	19,996	18,662	55,919	74,581
Railway rolling stock .....	2,474	337	22,554	35	25,400	12,412	73,846	86,258
Shipbuilding .....	1,966	511	14,248	104	16,829	9,869	46,299	56,168
Miscellaneous .....	87	35	540	131	793	530	1,649	2,179
Total transportation equipment .....	22,737	6,164	99,243	3,645	131,789	131,588	358,847	490,435
1956								
Aircraft .....	10,159	2,917	21,920	567	35,563	60,861	85,567	146,428
Bicycles .....	92	52	427	56	627	598	1,594	2,192
Boat building .....	305	58	1,316	32	1,711	1,082	3,676	4,758
Motor vehicles .....	6,329	1,675	26,640	455	35,099	40,973	108,975	149,948
Motor vehicle parts .....	3,154	1,096	14,868	2,353	21,471	20,300	62,062	82,362
Railway rolling stock .....	2,367	384	25,351	36	28,118	13,324	87,405	100,729
Shipbuilding .....	2,089	563	15,037	93	17,782	11,046	53,640	64,686
Miscellaneous .....	109	39	595	143	886	631	1,837	2,468
Total transportation equipment .....	24,604	6,764	106,154	3,735	141,257	148,815	404,756	553,571

TABLE 6. Employees and Earnings in the Transportation Equipment Group, by Provinces, 1955 and 1956

Province	Number of employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female		Male	Female	
1955								
Newfoundland .....	11	3	33	—	47	31	84	115
Prince Edward Island .....	353	149	4,128	53	4,683	1,742	12,569	14,311
Nova Scotia .....	243	35	2,193	2	2,473	913	6,116	7,029
New Brunswick .....	5,299	1,183	24,354	361	31,197	28,498	81,966	110,464
Quebec .....	15,458	4,430	56,767	3,134	79,789	93,400	218,711	312,111
Ontario .....	552	142	5,436	54	6,184	2,671	17,076	19,747
Manitoba .....	9	—	7	—	16	18	19	37
Saskatchewan .....	264	85	2,448	34	2,831	1,382	7,869	9,251
Alberta .....	548	137	3,877	7	4,569	2,933	14,437	17,370
Canada .....	22,737	6,164	99,243	3,645	131,789	131,588	358,847	490,435
1956								
Newfoundland .....	13	2	30	—	45	41	69	110
Prince Edward Island .....	372	169	4,718	51	5,310	1,927	14,604	16,531
Nova Scotia .....	230	32	1,950	7	2,219	904	5,802	6,706
New Brunswick .....	5,841	1,339	26,394	353	33,927	33,177	94,198	127,375
Quebec .....	16,649	4,816	59,725	3,201	84,391	104,531	241,100	345,631
Ontario .....	602	136	5,792	74	6,604	3,047	19,787	22,834
Manitoba .....	7	—	9	—	16	18	25	43
Saskatchewan .....	282	104	2,627	41	3,054	1,554	9,104	10,658
Alberta .....	608	166	4,909	8	5,691	3,616	20,067	23,683
Canada .....	24,604	6,764	106,154	3,735	141,257	148,815	404,756	553,571

TABLE 7. Wage-earners Employed in the Transportation Equipment Group, by Months and by Industries, 1955 and 1956

Month	Air-craft	Bicy-cles	Boat building	Motor vehicles	Motor vehicle parts	Railway rolling stock	Ship-building	Miscellane-ous	Total transpor-tation equipment
number									
1955									
January .....	22,223	389	1,224	20,062	16,313	21,158	14,272	580	96,221
February .....	22,359	394	1,261	27,808	17,536	21,683	14,739	629	106,409
March .....	22,163	428	1,328	30,191	17,464	22,138	15,033	645	109,390
April .....	22,099	473	1,425	30,817	17,935	22,064	14,993	641	110,447
May .....	21,691	515	1,445	30,906	18,165	21,899	14,576	626	109,823
June .....	21,506	524	1,431	30,501	18,340	21,904	14,314	585	109,105
July .....	19,126	516	1,369	29,413	17,795	21,781	13,689	598	104,267
August .....	19,606	520	1,228	24,698	15,669	22,852	13,459	681	98,713
September .....	20,000	505	1,212	23,832	16,273	23,386	13,884	754	99,846
October .....	20,517	499	1,237	21,117	12,436	23,426	14,628	780	94,640
November .....	21,913	501	1,261	21,816	12,322	24,315	14,430	816	97,374
December .....	22,675	475	1,243	22,492	12,203	24,455	14,245	722	98,510
Average .....	21,322	478	1,305	26,136	16,035	22,589	14,352	671	102,888
1956									
January .....	22,767	457	1,292	22,639	12,210	24,219	14,674	724	98,982
February .....	22,802	460	1,367	27,953	16,189	23,769	15,228	739	108,507
March .....	23,011	424	1,485	32,058	18,651	24,429	15,405	750	116,213
April .....	22,706	454	1,544	32,520	19,240	25,025	15,238	764	117,491
May .....	22,527	477	1,578	31,220	18,972	26,083	15,344	767	116,968
June .....	22,468	472	1,556	30,127	18,257	26,009	15,441	755	115,085
July .....	21,181	475	1,333	29,021	16,957	24,997	15,310	729	110,003
August .....	21,571	501	1,137	10,942	15,439	25,739	14,892	728	90,749
September .....	22,019	514	1,146	20,746	17,078	26,292	14,541	725	103,061
October .....	22,663	515	1,190	27,856	18,036	25,835	15,021	726	111,642
November .....	22,972	523	1,263	29,819	17,968	26,033	15,480	736	114,794
December .....	23,124	518	1,282	30,218	17,803	26,429	15,172	717	115,263
Average .....	22,487	483	1,348	27,095	17,221	25,387	15,130	738	109,889

TABLE 8. Wage-earners Employed in the Transportation Equipment Group, by Months and by Provinces, 1955 and 1956

Month	Newfoundland and Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
number										
1955										
January .....	38	3,842	2,358	23,473	55,282	5,238	6	2,379	3,605	96,221
February .....	41	4,015	2,421	24,216	64,546	5,271	6	2,329	3,564	106,409
March .....	42	4,080	2,451	24,803	66,735	5,345	5	2,288	3,641	109,390
April .....	45	4,018	2,225	24,783	67,788	5,354	6	2,307	3,921	110,447
May .....	39	4,035	2,160	24,485	67,643	5,301	8	2,328	3,824	109,823
June .....	32	4,008	2,124	24,496	66,881	5,321	8	2,402	3,833	109,105
July .....	31	3,688	2,085	24,303	62,503	5,339	8	2,476	3,654	104,267
August .....	29	4,102	2,062	24,202	56,593	5,416	8	2,521	3,780	98,713
September .....	27	4,375	2,065	24,759	56,566	5,563	8	2,574	3,909	99,846
October .....	26	4,205	2,171	25,760	49,830	5,836	7	2,663	4,142	94,640
November .....	28	4,749	2,125	25,756	51,650	5,956	7	2,753	4,350	97,374
December .....	23	4,879	2,098	25,567	52,848	5,929	7	2,767	4,392	98,510
Average .....	33	4,181	2,195	24,715	59,901	5,490	7	2,482	3,884	102,888
1956										
January .....	26	5,072	2,182	25,619	53,130	5,920	6	2,682	4,345	98,982
February .....	31	5,074	2,155	25,505	62,580	5,969	6	2,709	4,478	108,507
March .....	33	5,151	2,034	25,818	69,639	6,006	6	2,717	4,809	116,213
April .....	29	4,653	1,977	25,877	71,123	5,915	9	2,751	5,157	117,491
May .....	24	5,100	1,875	26,649	69,693	5,911	11	2,665	5,040	116,968
June .....	29	5,174	1,884	26,905	67,615	5,827	11	2,661	4,979	115,085
July .....	41	3,954	1,894	26,572	64,198	5,792	11	2,652	4,889	110,003
August .....	31	4,725	1,817	26,729	44,242	5,726	10	2,646	4,823	90,749
September .....	31	4,619	1,785	27,311	56,084	5,779	10	2,577	4,865	103,061
October .....	31	4,583	1,777	27,707	63,991	5,817	10	2,612	5,114	111,642
November .....	29	4,470	2,037	28,304	66,162	5,851	8	2,660	5,273	114,794
December .....	22	4,660	2,005	27,980	66,734	5,877	8	2,680	5,297	115,263
Average .....	30	4,769	1,857	26,747	62,926	5,866	9	2,668	4,917	109,889

**TABLE 9. Alphabetical List of Materials Used in the Industries in the Transportation Equipment Group, 1955 and 1956**

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		1955		1956	
		Quantity	Cost at works	Quantity	Cost at works
Aluminum, all forms .....	lb.	10,900,416	\$ 4,495,581	13,158,766	6,705,647
Babbitt metal and solders .....	"	1,719,010	787,000	1,990,571	860,022
Bars and rods, steel, except alloy .....	ton	85,473	12,431,438	101,705	15,337,039
Boilers, purchased .....	—	—	179,149	—	490,374
Brass and bronze, all forms .....	lb.	17,394,524	8,169,140	23,495,510	12,285,073
Centres for railway car wheels .....	—	—	15,114	—	—
Coke (charged to cupolas, etc.) .....	ton	34,494	968,444	36,387	1,122,234
Copper, all forms .....	lb.	10,795,425	5,847,254	8,812,769	5,200,286
Core oil .....	Imp. gal.	78,156	76,154	91,741	90,396
Cupola blocks and firebrick .....	—	—	181,285 <sup>2</sup>	—	184,731
Electrical goods (including motors) .....	—	—	2,796,031	—	4,348,658
Engines, purchased .....	—	—	3,234,031	—	3,990,450
Fabrics .....	—	—	250,219	—	271,799
<b>Ferro-alloys:</b>					
Ferromanganese .....	ton	696	173,352	—	—
Ferrosilicon .....	"	1,291	186,277	—	463,754
Other ferro-alloys .....	—	—	91,595	—	—
Fireclay .....	ton	3,027	76,031	3,176	87,753
Hubs, spokes, bent goods, etc. (wood) .....	—	—	4,971	—	4,993
Iron, pig .....	ton	29,043	1,620,026	34,345	2,034,092
Iron and steel, n.e.s., except alloy .....	—	—	19,926,243	—	27,719,943
Lead, all forms .....	lb.	3,088,081	460,446	2,523,002	312,047
Lumber and timber .....	M bd. ft.	65,973	8,000,314	101,675	12,377,675
Machinery (auxiliary), purchased .....	—	—	8,815,601	—	8,084,325
Metals, non-ferrous, n.e.s., .....	—	—	392,418	—	2,779,067
Nickel, all forms .....	lb.	997,406	763,372	1,054,360	836,267
Paints, oils and varnishes .....	—	—	2,551,898	—	3,130,862
Parts for bicycles .....	—	—	516,249	—	621,322
Parts for railway cars and locomotives .....	—	—	23,900,803	—	58,227,028
Pipe, tubes and fittings, iron and steel .....	—	—	6,779,311	—	8,831,053
Plates, steel (3/16" and thicker), except alloy .....	ton	87,279	11,013,753	120,719	15,822,986
Plumbago and graphite .....	lb.	127,200	12,871	76,316	9,147
Plywood .....	M surface ft.	520	116,268	1,238	264,106
Sands, moulding .....	ton	5,722	63,093	4,449	54,435
Sands, core .....	"	30,178	96,075	33,424	112,193
<b>Scrap, iron and steel:</b>					
Own make .....	"	68,720	2,664,253	74,517	3,219,329
Purchased .....	"	93,577	3,252,968	118,672	4,932,549
<b>Sheets, steel:</b>					
Galvanized .....	"	5,237	804,178	8,796	1,314,213
Plain (black), except alloy .....	"	52,602	7,245,322	69,386	9,525,579
Tinplate .....	"	2,001	333,931	1,496	263,486
Springs, railway car .....	—	—	605,925	—	1,107,863
Strip, steel, except alloy .....	ton	31,224	4,035,255	30,055	4,605,709
Structural shapes, steel, except alloy .....	"	42,645	5,593,569	73,811	9,322,410
Steel, alloy, all kinds .....	—	—	8,334,666	—	9,736,590
Tin .....	lb.	34,543	37,650	38,604	39,193

<sup>1</sup> Not separately specified.

<sup>2</sup> Revised.

TABLE 9. Alphabetical List of Materials Used in the Industries in the Transportation Equipment Group, 1955 and 1956 — Concluded

Material	1955		1956	
	Quantity	Cost at works	Quantity	Cost at works
Tires for railway car wheels .....	—	—	260,230	—
Tubing for bicycle frames .....	—	—	58,014	—
Veneer .....	M surface ft.	8,294	256,073	8,213
Wheels (carriage, wagon, etc.) .....	No.	8,570	61,351	14,132
Wheels for railway cars .....	—	—	6,074,402	—
Wire, steel, except alloy .....	ton	6,635	1,090,926	7,369
Zinc, all forms .....	lb.	2,005,497	397,844	3,705,390
Containers and packing materials .....	—	—	2,083,173	—
All materials used in aircraft manufacturing industry .....	—	—	140,831,164	—
All materials used in automobile manufacturing industry .....	—	—	631,181,084	—
All other materials .....	—	—	177,585,042	—
<b>Total</b> .....	—	—	<b>1,117,768,836</b>	<b>1,286,297,404</b>

<sup>1</sup> Not collected separately.

TABLE 10. Principal Statistics of the Transportation Equipment Group, Classified According to Size of Establishment, 1956

Size group	Establishments	Employees	Earnings	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 .....	93	146	215,405	15,968	158,464	458,289
\$10,000 to \$24,999 .....	68	255	558,924	30,294	442,685	1,160,325
\$25,000 to \$49,999 .....	57	348	898,801	40,944	885,862	2,076,350
\$50,000 to \$99,999 .....	58	607	1,732,864	92,678	1,614,008	4,017,394
\$100,000 to \$199,999 .....	68	1,264	3,955,740	180,616	3,933,291	9,613,399
\$200,000 to \$499,999 .....	73	2,673	8,729,876	345,154	9,581,488	23,112,395
\$500,000 to \$999,999 .....	47	2,917	10,338,960	386,822	16,675,241	34,073,894
\$1,000,000 to \$4,999,999 .....	72	16,766	58,687,489	2,286,745	81,787,079	174,814,090
\$5,000,000 and over .....	55	115,579	464,633,294	17,966,855	1,171,219,286	1,943,608,839
Head offices .....	—	702	3,820,473	—	—	—
<b>Totals</b> .....	<b>591</b>	<b>141,257</b>	<b>553,571,826</b>	<b>21,346,076</b>	<b>1,286,297,404</b>	<b>2,192,934,975</b>
(b) Employees						
Under 5 employees .....	172	395	863,550	57,975	1,812,331	3,962,968
5 to 14 .....	120	1,048	3,070,934	159,089	3,437,775	8,195,134
15 to 49 .....	130	3,603	11,918,259	499,221	17,169,465	37,473,962
50 to 99 .....	47	3,206	11,331,409	398,323	16,958,534	37,269,914
100 to 199 .....	38	5,273	18,601,824	965,521	33,641,179	66,063,019
200 to 499 .....	32	10,116	38,331,059	1,757,052	74,639,733	142,853,484
500 to 999 .....	21	15,708	57,025,365	2,048,135	104,148,338	187,956,530
1,000 to 1,499 .....	11	12,627	49,102,949	2,407,936	148,171,396	226,750,334
1,500 and over .....	20	88,579	359,506,004	13,052,824	886,318,653	1,482,409,630
Head offices .....	—	702	3,820,473	—	—	—
<b>Totals</b> .....	<b>591</b>	<b>141,257</b>	<b>553,571,826</b>	<b>21,346,076</b>	<b>1,286,297,404</b>	<b>2,192,934,975</b>

## TRANSPORTATION EQUIPMENT

**TABLE 11. Fuel and Electricity Used in the Manufacture of Transportation Equipment in Canada,  
by Industries and by Provinces, 1956<sup>1</sup>**

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.														
<b>(a) By industries</b>														
1	Aircraft:													
1	Quantity	7,645	18,114	—	—	—	—	639,171						
2	Cost	85,679	183,412	—	—	—	—	209,562						
3	Bicycles:													
3	Quantity	160	3,479	—	—	—	—	—						
4	Cost	2,400	40,559	—	—	—	—	—						
5	Boat building:													
5	Quantity	981	711	13	88	40	1	66,362						
6	Cost	12,476	12,120	158	1,518	175	23	26,512						
7	Motor vehicles:													
7	Quantity	38,620	246,465	—	—	1,000	4,874	2,033,991						
8	Cost	372,083	2,299,763	—	—	5,957	136,479	546,869						
9	Motor vehicle parts:													
9	Quantity	4,588	72,262	—	522	470	210	713,458						
10	Cost	47,853	712,883	—	7,250	2,105	4,175	246,436						
11	Railway rolling stock and parts:													
11	Quantity	40,826	69,666	—	9,813	92,698	1,150	197,934						
12	Cost	435,845	713,792	—	96,303	183,718	31,508	63,570						
13	Shipbuilding:													
13	Quantity	6,000	12,416	—	74	—	476	344,437						
14	Cost	83,657	146,628	—	1,740	—	13,460	128,020						
15	Miscellaneous:													
15	Quantity	760	1,850	—	29	—	—	26,026						
16	Cost	15,051	22,848	—	659	—	—	11,224						
17	Total 1956:													
17	Quantity	99,580	424,963	13	10,526	94,208	6,711	4,021,379						
18	Cost	1,055,044	4,132,005	158	107,470	191,955	185,645	1,232,193						
<b>(b) By provinces</b>														
19	Newfoundland and Prince Edward Island:													
19	Quantity	34	—	—	4	—	—	1,800						
20	Cost	\$ 711	—	—	123	—	—	670						
21	Nova Scotia:													
21	Quantity	17,328	—	—	—	—	166	65,131						
22	Cost	\$ 211,370	—	—	—	—	3,383	23,904						
23	New Brunswick:													
23	Quantity	13,635	47	—	44	—	38	23,535						
24	Cost	\$ 122,488	1,126	—	1,080	—	806	8,976						
25	Quebec:													
25	Quantity	23,780	54,291	—	100	—	999	759,928						
26	Cost	\$ 275,283	583,131	—	1,426	—	27,437	269,125						
27	Ontario:													
27	Quantity	43,962	370,408	—	10,344	—	5,449	2,942,402						
28	Cost	\$ 433,576	3,542,937	—	104,126	—	152,795	847,716						
29	Manitoba:													
29	Quantity	59	57	—	—	94,208	—	68,071						
30	Cost	\$ 650	1,474	—	—	191,955	—	24,062						
31	Saskatchewan:													
31	Quantity	—	—	—	5	—	—	—						
32	Cost	\$ —	—	—	175	—	—	—						
33	Alberta:													
33	Quantity	380	—	—	—	—	9	52,892						
34	Cost	\$ 3,795	—	—	—	—	124	19,688						
35	British Columbia:													
35	Quantity	402	160	13	29	—	50	107,620						
36	Cost	\$ 7,171	3,337	158	540	—	1,100	38,052						
37	Total 1956:													
37	Quantity	99,580	424,963	13	10,526	94,208	6,711	4,021,379						
38	Cost	\$ 1,055,044	4,132,005	158	107,470	191,955	185,645	1,232,193						

<sup>1</sup> Last collected in this detail in 1953.

TABLE 11. Fuel and Electricity Used in the Manufacture of Transportation Equipment in Canada,  
by Industries and by Provinces, 1956<sup>1</sup>

Kerosene or coal oil	Fuel oil (not including lubricating oil)	Wood (cords of 128 cubic ft. of piled wood)	Gas			Other fuel	Electricity		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.	\$	
2,998 768	8,734,964 859,199	—	142,341 37,397	5,437 9,937	94,607 47,550	1,294,502	131,950,742 1,356,540	— —	4,084,546 1 2
— —	50,958 8,005	—	34,506 4,928	— —	6,000 5,873	— 500	2,566,550 40,069	— —	102,334 3 4
144 47	135,685 19,901	785 7,081	1,131 508	— —	478 397	— 26,523	3,471,982 73,250	— —	180,689 5 6
28,634 5,457	1,054,845 133,171	—	620,320 83,874	— —	773,035 547,630	— 104,237	198,251,471 1,743,289	65,758,000 —	5,978,809 7 8
33,528 6,046	6,144,252 778,152	75 899	1,355,607 193,219	7,572 4,924	291,257 277,769	— 110,387	207,838,610 2,214,993	— —	4,607,091 9 10
3,205 827	8,801,566 1,191,279	71 530	— —	121,100 104,915	212,797 47,324	— 46,390	181,564,007 1,478,126	1,173,334 —	4,394,127 11 12
39,253 7,538	5,051,988 581,540	52 440	22,497 5,403	1,732 2,378	428 562	— 122,044	69,084,992 785,853	— —	1,879,263 13 14
— —	128,402 17,443	307 1,101	— —	— —	424 420	— 3,865	2,414,431 46,606	— —	119,217 15 16
107,762	30,102,660	1,290	2,176,402	135,841	1,379,026	—	797,142,785	66,931,334	— — 17
20,683	3,588,690	10,051	325,329	122,154	927,525	1,708,448	7,738,726	—	21,346,076 18
— —	13,003 2,528	— —	— —	— —	— —	— 400	108,060 3,797	— —	8,229 19 20
8,833 2,204	1,637,542 189,927	65 481	— —	— —	— —	— 4,617	14,665,418 261,032	— —	696,918 21 22
820 213	540,453 61,436	200 3,200	— —	— —	— —	— 660	8,186,852 115,118	— —	315,103 23 24
49,218 7,875	10,760,972 1,294,475	354 1,571	113,650 32,635	20,240 24,300	— —	311,066	186,602,897 1,541,973	— —	4,370,297 25 26
43,656 9,040	13,994,942 1,697,337	555 3,618	2,041,748 287,609	108,578 93,478	1,074,432 855,987	1,249,720	529,084,882 5,169,776	65,804,334 —	14,447,715 27 28
834 229	1,678,946 183,689	33 454	2,210 486	1,600 1,682	— —	6,678	29,983,595 265,556	1,127,000 —	676,915 29 30
— —	5,876 999	7 99	— —	1,120 560	— —	460	15,116 797	— —	3,090 31 32
1,080 251	175,726 21,973	— —	— —	3,250 976	304,594 71,538	— 2,688	9,765,712 118,749	— —	239,782 33 34
3,321 871	1,295,200 136,326	76 628	18,794 4,599	1,053 1,158	— —	132,159	18,730,253 261,928	— —	588,027 35 36
107,762	30,102,660	1,290	2,176,402	135,841	1,379,026	—	797,142,785	66,931,334	— — 37
20,683	3,588,690	10,051	325,329	122,154	927,525	1,708,448	7,738,726	—	21,346,076 38

For data on production of transportation equipment in 1956 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:

—	Page	Table
Aircraft .....	B - 4	4
Bicycles .....	C - 4	3
Motor vehicles .....	E - 4	3 and 4
Motor vehicle parts .....	F - 7	5
Naval and commercial vessels .....	H - 4	3
Railway cars and locomotives .....	G - 4	3
Row boats, canoes, etc. .....	D - 4	3
Wagons and sleighs .....	I - 4	3



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