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TRANSPORTATION EQUIPMENT

1954

GENERAL REVIEW

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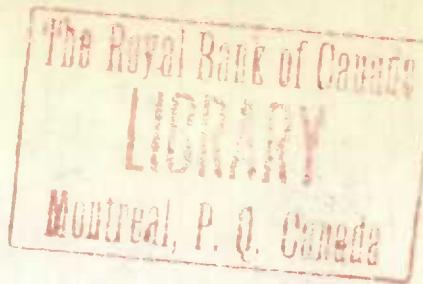
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NOTICE

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, \$1.50
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- 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, 25¢
- B — The Aircraft and Parts Industry, 25¢
- C — The Bicycle Manufacturing Industry, 25¢
- D — The Boat Building Industry, 25¢
- E — The Motor Vehicles Industry, 25¢
- F — The Motor Vehicle Parts Industry, 25¢
- G — The Railway Rolling Stock Industry, 25¢
- H — The Shipbuilding Industry, 25¢
- I — The Miscellaneous Transportation Equipment Industry, 25¢

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GENERAL REVIEW

The new 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 1954 reports from the manufacturers of transportation equipment in Canada indicates a gross production valued at \$1,714 millions at factory prices. This output value was 18 per cent below the corresponding figure for 1953.

The values by industries for 1954 were as follows, in millions of dollars—aircraft, \$343.0; bicycles, \$8.7; boat building, \$9.3; motor vehicles, \$666.3; motor vehicle parts, \$239.1; railway rolling stock and parts, \$283.4; shipbuilding, \$156.6 and miscellaneous transportation equipment, \$7.5. The boat building and miscellaneous transportation equipment industries showed slight increases in output values. All others showed declines from the 1953 totals.

The distribution of this production by provinces was as follows, in millions of dollars—Ontario, \$1,239.6; Quebec, \$309.9; Manitoba, \$43.1; British Columbia, \$41.5; Nova Scotia, \$40.3; Alberta, \$19.8; New Brunswick, \$19.3 and for Saskatchewan, Prince Edward Island and Newfoundland a total of \$0.4.

In 1954 a total of 602 factories operated in this group. These works employed a total of 133,432 people who were paid \$479.1 millions for salaries and wages. Materials used in manufacturing processes cost \$986.7 millions and fuel and electricity cost \$17.5 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 was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figures.

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, 1953 and 1954

Industry	Number of plants	Number of 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
1953							
Aircraft.....	43	38,048	142,375,699	2,438,890	135,756,989	260,548,393	398,744,272
Bicycles.....	7	1,323	4,108,869	158,610	3,342,232	7,443,655	10,944,497
Boat building.....	215	1,508	3,545,079	120,084	3,248,688	5,094,759	8,463,531
Motor vehicles.....	20	32,973	131,316,134	4,247,370	557,709,086	273,598,093	835,554,549
Motor vehicle parts.....	179	23,335	81,186,799	4,100,581	162,324,012	141,251,977	307,676,670
Railway rolling stock and parts.....	36	35,447	118,026,350	4,751,193	179,892,257	153,677,779	338,321,229
Shipbuilding.....	79	22,571	72,732,056	1,870,379	65,821,268	115,523,663	183,215,310
Miscellaneous.....	42	854	2,120,166	91,690	2,859,049	4,066,836	7,017,575
Total transportation equipment.....	621	156,059	555,411,152	17,778,897	1,110,953,581	961,205,155	2,089,937,633
1954							
Aircraft.....	47	35,095	135,863,490	2,735,388	158,893,485	181,381,957	343,010,830
Bicycles.....	6	1,053	3,418,139	136,287	2,117,083	6,429,952	8,718,202
Boat building.....	200	1,572	3,923,909	143,392	3,758,724	5,673,146	9,292,424
Motor vehicles.....	20	27,949	106,062,439	4,322,736	477,309,375	176,473,282	666,286,542
Motor vehicle parts.....	180	18,363	65,540,443	3,810,974	122,691,526	112,253,910	239,108,407
Railway rolling stock and parts.....	36	29,214	96,862,444	4,442,645	162,219,587	116,736,335	283,398,567
Shipbuilding.....	76	19,356	65,256,543	1,774,253	56,259,981	98,572,656	156,606,890
Miscellaneous.....	37	830	2,152,343	89,807	3,471,520	4,079,487	7,541,123
Total transportation equipment.....	602	133,432	479,079,750	17,455,482	986,721,281	701,600,725	1,713,962,985

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.

1. See footnote to Table 1.

TABLE 2. Principal Statistics for the Transportation Equipment Group, by Provinces, 1953 and 1954

Province	Number of plants	Number of 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
1953							
Newfoundland.....	7	159	403,507	14,611	225,803	496,943	737,357
Prince Edward Island.....	2						
Nova Scotia.....	59	5,451	15,449,128	651,719	24,106,438	22,755,772	47,513,929
New Brunswick.....	11	3,023	8,913,003	347,243	8,056,036	11,881,501	20,284,780
Quebec.....	123	43,745	147,899,116	4,080,456	174,330,301	227,673,532	406,084,289
Ontario.....	247	88,159	330,858,455	11,272,496	852,415,360	634,467,438	1,498,155,294
Manitoba.....	24	7,758	24,536,188	637,526	26,679,859	25,827,010	53,144,395
Saskatchewan.....	7	24	71,148	5,058	97,509	117,119	219,686
Alberta.....	22	3,487	11,235,285	274,397	12,196,265	12,578,755	25,049,417
British Columbia.....	119	4,253	16,045,322	495,391	12,846,010	25,407,085	38,748,486
Canada.....	621	156,059	555,411,152	17,778,897	1,110,953,581	961,205,155	2,089,937,633
1954							
Newfoundland.....	6	69	145,882	8,500	109,590	152,312	269,747
Prince Edward Island.....	2						
Nova Scotia.....	61	4,994	14,984,218	634,804	19,198,247	20,601,417	40,346,554
New Brunswick.....	11	2,607	7,786,619	322,865	7,589,509	11,393,826	19,306,200
Quebec.....	115	35,452	123,388,613	4,017,470	153,546,050	152,196,061	309,853,336
Ontario.....	245	76,646	287,159,795	11,137,705	764,473,548	455,910,714	1,239,635,286
Manitoba.....	26	6,530	19,646,756	611,872	18,722,225	23,684,250	43,104,899
Saskatchewan.....	8	23	55,113	3,832	59,445	85,323	152,375
Alberta.....	21	2,814	9,333,136	266,421	9,427,111	10,079,862	19,809,601
British Columbia.....	107	4,297	16,579,618	452,013	13,595,556	27,496,960	41,484,987
Canada.....	602	133,432	479,079,750	17,455,482	986,721,281	701,600,725	1,713,962,985

1. See footnote to Table 1.

TABLE 3. Inventories¹ in the Transportation Group, by Industries, 1954

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Aircraft	38,899,506	12,108,063	2,079,273	53,086,842
Bicycles	1,001,642	1,049,996	682,424	2,734,062
Boat building	911,956	406,389	405,142	1,723,487
Motor vehicles	33,851,859	39,098,749	25,139,114	98,089,722
Motor vehicle parts	26,444,600	10,118,966	9,750,428	46,313,994
Railway rolling stock	48,031,845	21,579,789	2,998,945	72,610,579
Shipbuilding	12,314,225	5,770,561	246,645	18,331,431
Miscellaneous	954,250	453,135	154,219	1,561,604
Total transportation equipment	162,409,883	90,585,648	41,456,190	294,451,721
Closing:				
Aircraft	37,889,831	8,949,516	3,609,800	50,449,147
Bicycles	702,135	894,176	647,544	2,243,855
Boat building	1,114,920	579,115	687,980	2,382,015
Motor vehicles	26,326,383	26,489,558	16,957,965	69,773,906
Motor vehicle parts	21,341,401	8,865,926	9,398,431	39,605,758
Railway rolling stock	34,906,540	10,822,340	2,650,395	48,379,275
Shipbuilding	10,697,638	7,573,513	197,091	18,468,242
Miscellaneous	726,586	435,431	253,910	1,415,927
Total transportation equipment	133,705,434	64,609,575	34,403,116	232,718,125

TABLE 4. Inventories¹ in the Transportation Group, by Provinces, 1954

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Newfoundland and Prince Edward Island	28,886	6,748	16,280	51,914
Nova Scotia	2,326,433	5,208,940	423,984	7,959,357
New Brunswick	613,010	264,801	—	877,811
Quebec	33,796,599	22,472,234	2,429,189	58,698,022
Ontario	105,774,103	59,697,077	37,640,318	203,111,498
Manitoba	12,032,484	1,843,810	464,943	14,341,237
Saskatchewan	48,816	—	19,631	68,447
Alberta	4,363,794	81,086	219,647	4,664,527
British Columbia	3,425,758	1,010,952	242,198	4,678,908
Canada	162,409,883	90,585,648	41,456,190	294,451,721
Closing:				
Newfoundland and Prince Edward Island	32,100	19,134	21,935	73,169
Nova Scotia	2,037,464	1,097,878	331,719	3,467,061
New Brunswick	630,381	217,276	—	847,657
Quebec	26,269,458	13,992,185	3,951,252	44,212,895
Ontario	89,582,694	46,789,297	29,216,025	165,588,016
Manitoba	8,110,616	1,116,307	382,666	9,609,589
Saskatchewan	53,234	—	15,856	69,090
Alberta	3,434,880	51,774	183,440	3,670,094
British Columbia	3,554,607	1,325,724	300,223	5,180,554
Canada	133,705,434	64,609,575	34,403,116	232,718,125

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.

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TABLE 5. Employees and Earnings in the Transportation Equipment Group, by Industries, 1953 and 1954

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					
(000's of \$)									
1953									
Aircraft	8,136	2,813	26,380	719	38,048	45,574	96,802	142,376	
Bicycles	169	86	964	104	1,323	778	3,331	4,109	
Boat building	315	50	1,128	15	1,508	834	2,711	3,545	
Motor vehicles	4,633	1,450	26,429	461	32,973	29,245	102,071	131,316	
Motor vehicle parts	2,789	1,121	16,913	2,512	23,335	17,056	64,131	81,187	
Railway rolling stock	2,269	320	32,729	129	35,447	11,598	106,428	118,026	
Shipbuilding	1,898	546	20,003	124	22,571	9,420	63,312	72,732	
Miscellaneous	104	35	566	149	854	480	1,640	2,120	
Total transportation equipment	20,313	6,421	125,112	4,213	156,059	114,985	440,426	555,411	
1954									
Aircraft	8,080	2,696	23,560	759	35,095	46,068	89,795	135,863	
Bicycles	161	81	733	78	1,053	890	2,528	3,418	
Boat building	299	51	1,200	22	1,572	890	3,034	3,924	
Motor vehicles	4,991	1,440	21,186	332	27,949	31,004	75,058	106,062	
Motor vehicle parts	2,717	973	12,716	1,957	18,363	16,437	49,103	65,540	
Railway rolling stock	2,241	323	26,537	113	29,214	11,502	85,360	96,862	
Shipbuilding	1,987	547	16,710	112	19,356	10,066	55,192	65,258	
Miscellaneous	99	38	544	149	830	493	1,660	2,153	
Total transportation equipment	20,575	6,149	103,186	3,522	133,432	117,350	361,730	479,080	

TABLE 6. Employees and Earnings in the Transportation Equipment Group, by Provinces, 1953 and 1954

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					
(000's of \$)									
1953									
Newfoundland	21	4	134	—	159	65	339	404	
Prince Edward Island									
Nova Scotia	382	169	4,849	51	5,451	1,805	13,644	15,449	
New Brunswick	234	31	2,755	3	3,023	918	7,996	8,914	
Quebec	5,133	1,382	36,706	524	43,745	26,885	121,014	147,899	
Ontario	13,205	4,455	66,978	3,521	88,159	78,901	251,957	330,858	
Manitoba	491	133	7,097	37	7,758	2,231	22,305	24,536	
Saskatchewan	10	—	14	—	24	30	41	71	
Alberta	271	99	3,062	55	3,487	1,381	9,854	11,235	
British Columbia	566	148	3,517	22	4,253	2,769	13,276	16,045	
Canada	20,313	6,421	125,112	4,213	156,059	114,985	440,426	555,411	
1954									
Newfoundland	15	3	51	—	69	43	103	146	
Prince Edward Island									
Nova Scotia	395	157	4,385	57	4,994	1,818	13,166	14,984	
New Brunswick	238	37	2,330	2	2,607	956	6,830	7,786	
Quebec	4,767	1,176	29,052	457	35,452	25,515	97,874	123,389	
Ontario	13,879	4,437	55,415	2,915	76,646	82,594	204,566	287,160	
Manitoba	482	127	5,870	51	6,530	2,217	17,430	19,647	
Saskatchewan	12	—	11	—	23	28	27	55	
Alberta	229	89	2,490	26	2,814	1,349	7,984	9,333	
British Columbia	558	143	3,582	14	4,297	2,830	13,750	16,588	
Canada	20,575	6,149	103,186	3,522	133,432	117,350	361,730	479,080	

TABLE 7. Wage-earners Employed in the Transportation Equipment Group, by Months and by Industries, 1953 and 1954

Month	Air-craft	Bicy-cles	Boat building	Motor vehicles	Motor vehicle parts	Railway rolling stock	Ship-building	Miscellane-ous	Total trans-portation equipment
Number									
1953									
January	27,351	1,033	1,051	26,392	19,047	32,998	20,192	663	128,727
February	28,555	1,078	1,138	27,176	19,871	32,595	20,864	663	131,940
March	28,783	1,113	1,164	27,946	20,950	33,357	21,292	670	135,275
April	28,541	1,112	1,242	27,871	21,442	33,779	20,783	689	135,459
May	28,078	1,099	1,288	28,358	21,495	33,865	20,543	715	135,441
June	26,349	1,037	1,253	27,026	21,890	34,364	20,050	722	132,491
July	25,676	1,002	1,195	27,804	20,653	34,031	19,957	695	131,013
August	25,510	1,045	1,115	26,809	18,648	33,254	20,169	736	127,286
September	26,079	1,069	1,056	25,883	18,348	32,581	20,027	805	125,848
October	26,867	1,113	1,035	25,256	17,010	31,767	19,753	827	123,628
November	26,839	1,105	1,078	24,871	16,480	31,250	19,439	767	121,829
December	26,603	1,009	1,112	27,298	17,592	30,459	18,436	637	123,146
Average	27,099	1,068	1,143	26,890	19,423	32,858	20,127	715	129,325
1954									
January	26,361	921	1,203	26,797	17,106	30,384	18,223	676	123,671
February	25,883	912	1,270	29,349	17,129	29,553	18,950	696	123,742
March	25,588	898	1,330	28,101	16,928	30,360	19,197	699	123,101
April	25,881	894	1,382	27,472	16,315	30,145	18,641	761	121,491
May	25,424	900	1,405	23,659	15,596	29,067	17,436	750	114,237
June	24,478	828	1,382	21,441	14,298	27,682	16,646	703	107,458
July	23,519	810	1,244	20,481	12,929	26,589	15,694	664	101,930
August	23,194	787	1,099	16,119	11,448	24,288	15,977	679	93,591
September	22,705	742	1,100	15,133	12,080	23,777	15,894	679	92,110
October	22,699	689	1,066	18,563	13,366	22,900	15,895	703	95,881
November	22,889	674	1,091	13,416	14,137	23,192	15,380	673	91,452
December	23,215	672	1,113	15,677	14,750	21,900	13,926	637	91,890
Average	24,319	811	1,222	21,518	14,673	26,630	16,822	693	106,708

TABLE 8. Wage-earners Employed in the Transportation Equipment Group, by Months and by Provinces, 1953 and 1954

Month	Newfoundland and Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Number										
1953										
January	223	5,090	2,612	36,851	69,748	7,241	10	3,254	3,698	128,727
February	234	4,831	2,688	38,036	71,907	7,253	10	3,202	3,779	131,940
March	229	4,924	2,771	38,959	74,124	7,228	11	3,218	3,811	135,275
April	230	4,872	2,819	39,002	74,239	7,258	13	3,170	3,856	135,459
May	162	4,896	2,796	39,048	74,427	7,214	16	3,145	3,737	135,441
June	94	5,177	2,734	37,662	73,040	7,252	16	3,146	3,370	132,491
July	85	5,153	2,661	36,992	72,587	7,167	16	3,130	3,222	131,013
August	75	5,044	2,725	36,564	69,408	7,105	16	3,113	3,236	127,286
September	62	4,925	2,827	36,720	67,910	7,061	15	3,094	3,234	125,848
October	65	4,832	2,835	36,601	65,943	7,039	15	3,024	3,274	123,628
November	69	4,485	2,827	35,818	64,817	6,954	12	2,982	3,865	121,829
December	74	4,594	2,818	34,544	67,963	6,855	12	2,931	3,355	123,146
Average	134	4,900	2,758	37,230	70,499	7,134	14	3,117	3,539	129,325
1954										
January	49	4,808	2,454	33,599	69,884	6,738	11	2,799	3,329	123,671
February	49	4,682	2,336	33,779	70,166	6,354	11	2,726	3,639	123,742
March	58	5,024	2,359	34,554	68,462	6,371	11	2,691	3,571	123,101
April	56	5,259	2,370	34,461	66,994	6,278	12	2,649	3,412	121,491
May	52	5,004	2,316	32,824	61,953	5,971	12	2,525	3,580	114,237
June	48	5,079	2,313	30,317	57,571	5,938	12	2,485	3,695	107,458
July	45	4,458	2,292	28,574	54,494	5,621	12	2,397	3,837	101,930
August	45	4,269	2,297	26,459	48,681	5,639	12	2,409	3,780	93,591
September	44	4,032	2,339	25,475	48,629	5,643	12	2,352	3,584	92,110
October	53	3,630	2,314	25,198	53,237	5,562	12	2,361	3,514	95,861
November	58	3,511	2,327	25,526	48,539	5,423	7	2,408	3,653	91,452
December	56	3,555	2,269	23,375	51,362	5,309	8	2,394	3,562	91,890
Average	51	4,442	2,332	29,509	58,330	5,921	11	2,516	3,596	106,708

TABLE 9. Alphabetical List of Materials Used in the Industries in the Transportation Equipment Group, 1953 and 1954

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	Unit of measure	1953		1954	
		Quantity	Cost at works	Quantity	Cost at works
Aluminum, all forms	lb.	7,731,122	\$ 3,168,079	8,256,217	3,174,151
Babbitt metal and solders	"	1,626,709	747,831	1,250,224	547,866
Bars and rods, steel, except alloy	ton	104,564	14,029,087	73,922	10,668,243
Bolts, softwood	cord	120	1,677	101	1,405
Bolts, hardwood	"	126	2,517	51	1,012
Boilers, purchased	-	-	725,370	-	243,909
Blocks, blanks, squares and other wood	-	-	3,354	-	25,275
Brass and bronze, all forms	lb.	27,077,563	11,570,944	19,667,733	7,900,946
Centres for railway car wheels	-	-	22,863	-	24,813
Coke (charged to cupolas, etc.)	ton	47,796	1,376,228	35,934	1,031,005
Copper, all forms	lb.	11,093,714	5,079,792	8,412,458	3,915,813
Core oil	Imp. gal.	78,933	81,748	63,124	60,860
Cupola blocks	-	-	45,919	-	17,263
Electrical goods (including motors)	-	-	4,129,968	-	3,317,371
Engines, purchased	-	-	2,952,021	-	3,871,075
Fabrics	-	-	234,637	-	217,908
Ferro-alloys:					
Ferromanganese	ton	1,020	258,089	776	195,443
Fersilicon	"	1,123	171,878	1,074	154,306
Other ferro-alloys	-	-	61,581	-	100,278
Firebrick	No.	1,246,861	114,442	-	126,713
Fireclay	ton	4,368	99,046	2,127	55,179
Hubs, spokes, bent goods, etc. (wood)	-	-	16,646	-	10,992
Iron, pig	ton	42,540	2,526,746	25,677	1,482,021
Iron and steel, other, except alloy	-	-	26,875,604	-	19,156,758
Lead, all forms	lb.	741,452	169,395	1,280,740	316,701
Leather	-	-	133,610	-	270,824
Logs:					
Softwood	M ft. b.m.	49	2,555	146	10,518
Hardwood	" "	103	7,448	96	6,731
Lumber and timber	M bd. ft.	84,846	11,075,388	62,381	7,643,015
Machinery (auxiliary), purchased	-	-	11,546,359	-	12,020,822
Metals, non-ferrous, other	-	-	602,108	-	398,633
Nickel, all forms	lb.	446,653	312,599	703,857	515,260
Paints, oils and varnishes	-	-	1,652,627	-	2,582,553
Parts for bicycles	-	-	333,857	-	403,576
Parts for railway cars and locomotives	-	-	31,533,924	-	44,655,857
Pipe, tubes and fittings, iron and steel	-	-	6,896,723	-	5,783,979
Plates, steel (3/16" and thicker), except alloy	ton	125,221	14,749,226	97,097	11,152,613
Plumbago and graphite	lb.	143,111	14,608	115,835	11,939
Plywood	M surface ft.	792	153,771	561	114,889
Sands, moulding	ton	11,197	104,408	8,758	85,448
Sands, core	"	33,705	106,721	27,984	87,188
Scrap, iron and steel:					
Own make	ton	43,868	1,657,392	67,003	2,686,102
Purchased	"	143,376	3,689,182	110,253	2,794,796
Sheets, steel:					
Galvanized	"	10,928	1,667,987	7,092	1,135,255
Plain (black), except alloy	"	58,785	7,852,774	40,434	5,607,497
Tinplate	"	2,492	439,418	1,961	332,839
Springs, railway car	-	-	662,951	-	551,922
Strip, steel, except alloy	ton	28,718	3,977,143	16,393	2,438,033
Structural shapes, steel, except alloy	"	60,676	7,720,245	57,637	6,816,357
Steel, alloy, all kinds	-	-	12,163,611	-	8,217,120
Tin	lb.	34,567	33,863	15,362	14,778

TABLE 9. Alphabetical List of Materials Used in the Industries in the Transportation Equipment Group, 1953 and 1954 - Concluded

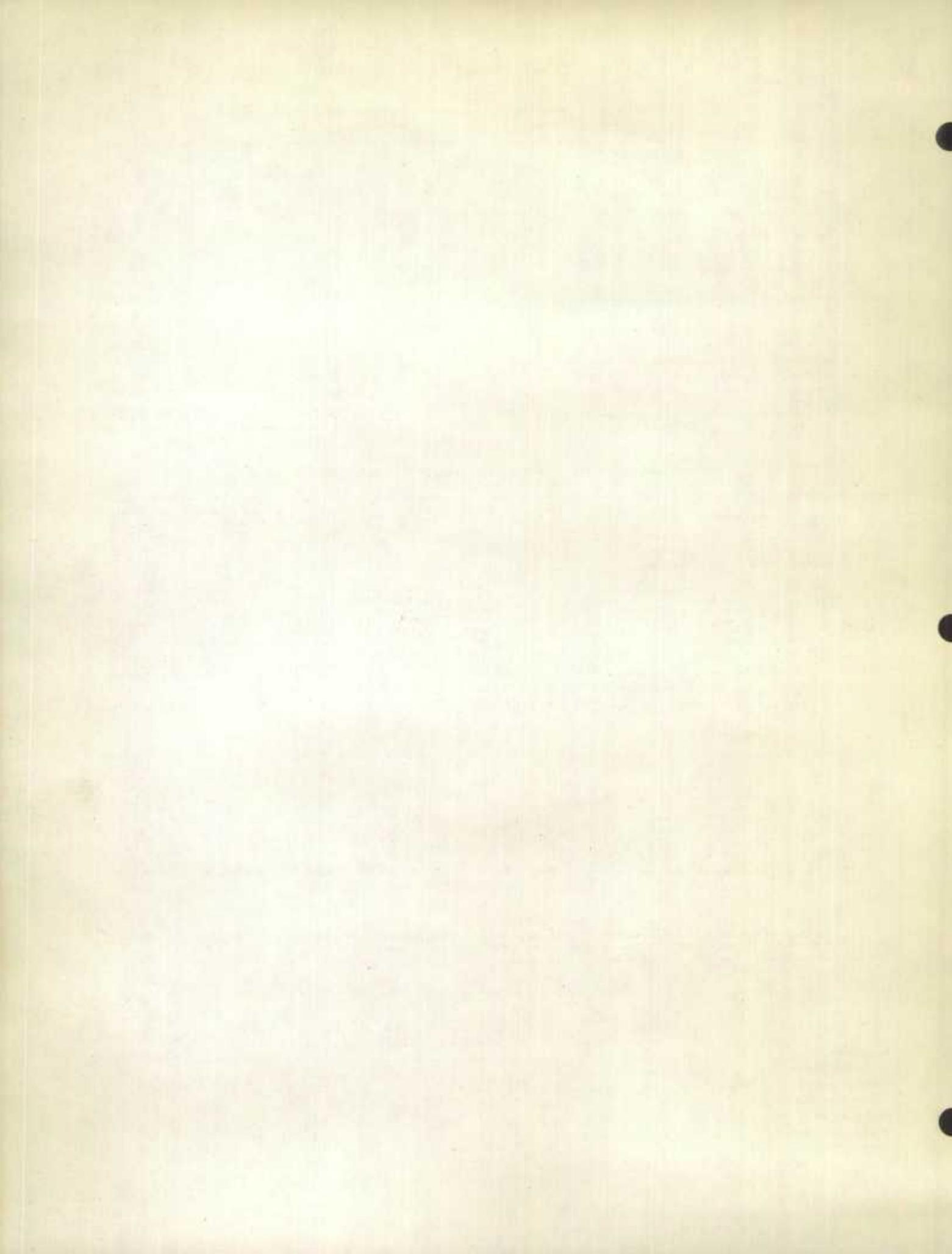
Material	Unit of measure	1953		1954	
		Quantity	Cost at works	Quantity	Cost at works
Tires for railway car wheels	—	—	\$ 911,232	—	\$ 421,386
Tubing for bicycle frames	—	—	169,286	—	100,073
Veneer	M surface ft.	4,879	136,320	8,084	207,838
Wheels (carriage, wagon, etc.)	No.	10,949	65,869	8,001	52,106
Wheels for railway cars	—	—	8,166,332	—	6,866,840
Wire, steel, except alloy	ton	5,360	1,015,270	4,303	924,080
Zinc, all forms	lb.	1,357,917	225,892	1,397,098	309,941
Containers and packing materials	—	—	3,055,867	—	1,465,221
All materials used in aircraft manufacturing industry	—	—	135,756,989	—	158,893,485
All materials used in automobile manufacturing industry	—	—	557,709,086	—	477,309,375
All other materials	—	—	210,185,478	—	167,215,087
Total	—	—	1,110,953,581	—	986,721,281

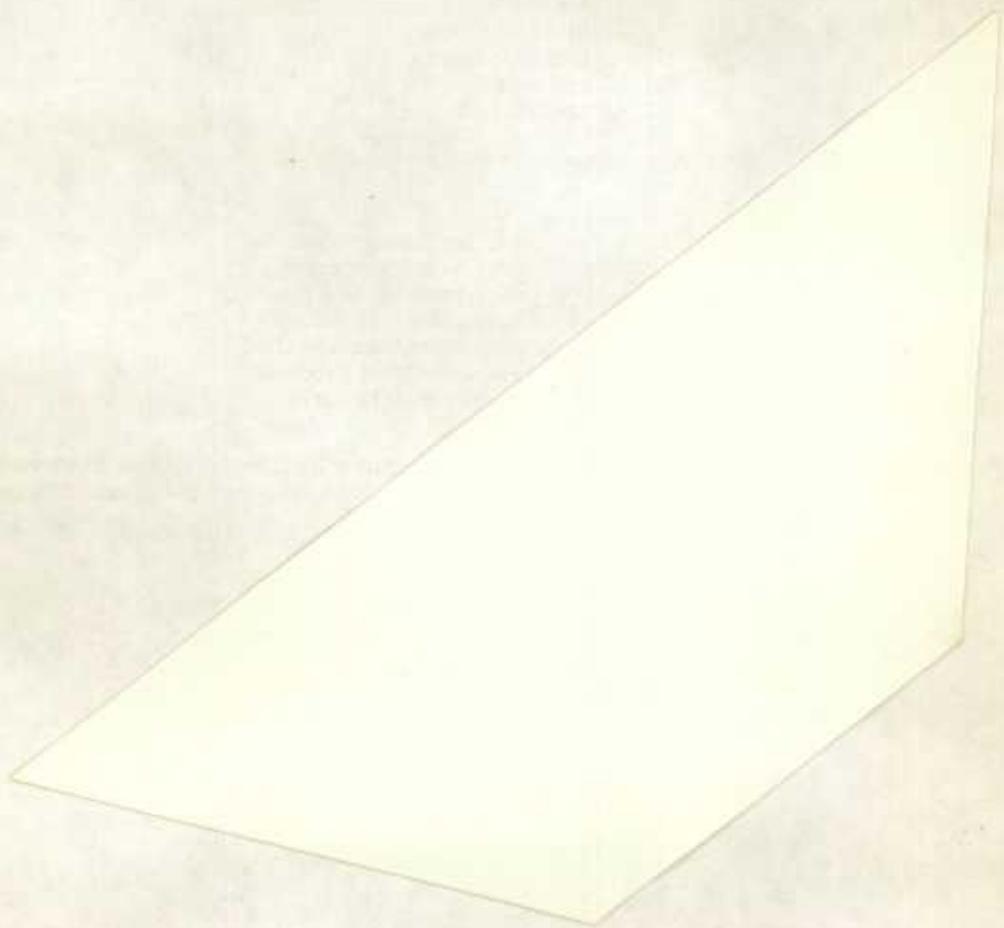
TABLE 10. Principal Statistics of the Transportation Equipment Group, Classified According to Size of Establishment, 1954

Size group	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
(a) Gross Production or Factory Shipments						
Under \$10,000	118	204	280,010	17,163	174,902	523,607
\$10,000 to \$24,999	71	259	538,894	29,798	435,495	1,148,132
\$25,000 to \$49,999	57	399	945,034	43,666	792,597	2,063,874
\$50,000 to \$99,999	67	790	2,120,655	89,622	1,860,407	4,848,255
\$100,000 to \$199,999	65	1,383	4,123,334	230,766	3,579,723	9,727,529
\$200,000 to \$499,999	53	2,208	7,041,550	388,021	6,785,588	17,414,353
\$500,000 to \$999,999	51	3,706	11,846,471	444,999	15,934,934	34,914,328
\$1,000,000 to \$4,999,999	67	16,466	56,042,335	2,112,207	65,049,669	149,306,446
\$5,000,000 and over	53	107,975	395,937,779	14,099,238	892,107,966	1,494,016,461
Head offices	—	42	203,688	—	—	—
Totals	602	133,432	479,079,750	17,455,482	986,721,281	1,713,962,985
(b) Employees						
Under 5 employees	189	423	799,269	48,319	721,660	2,000,334
5 to 14	128	1,136	2,982,664	128,117	3,879,684	8,595,810
15 to 49	115	3,210	10,139,334	535,096	14,578,366	31,944,695
50 to 99	51	3,393	10,782,180	459,662	15,002,023	31,979,443
100 to 199	32	4,383	14,788,959	679,768	19,332,036	45,687,983
200 to 499	34	9,715	33,501,421	1,407,690	44,243,671	104,550,293
500 to 999	26	18,034	64,767,850	2,615,437	128,438,841	218,555,152
1,000 to 1,499	12	14,095	49,233,491	2,483,289	68,637,343	152,968,315
1,500 and over	17	79,001	291,880,894	9,098,104	694,887,857	1,117,680,960
Head offices	—	42	203,688	—	—	—
Totals	602	133,432	479,079,750	17,455,482	986,721,281	1,713,962,985

For data on production of transportation equipment in 1953 and 1954 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 for each year:

—	Page	Table
Aircraft	B-5	5
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	4
Row boats, canoes, etc.	D-4	3
Wagons and sleighs	I-4	3





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