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**REPORT**  
**ON THE**  
**RUBBER INDUSTRY**  
**IN**  
**CANADA**  
**1940**



OTTAWA  
1941

Price 25 cents



DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
GENERAL MANUFACTURES BRANCH  
OTTAWA - CANADA

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Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)  
Chief, General Manufactures Branch: A. Cohen, B.Com.

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### THE RUBBER INDUSTRY IN CANADA, 1940

The rubber industry of Canada is of considerable importance in the industrial life of the country. Canada now ranks among the leading countries of the world as a manufacturer of rubber goods. Normally Canada is the sixth largest importer of raw rubber in the world, ranking after the United States, the United Kingdom, Japan, Germany and France.

Establishments manufacturing rubber tires, rubber footwear and other rubber goods numbered 52 in 1940, 33 plants being located in Ontario, 14 in Quebec, 2 in Manitoba, 1 in Saskatchewan and 2 in British Columbia. These plants represented an investment of \$35,561,790 in land, buildings, machinery and equipment, and \$35,026,756 in working capital, or a total capital investment of \$70,588,546. They furnished employment to 14,297 persons who received \$16,834,914 in salaries and wages and produced goods valued at \$83,020,721 from materials costing \$38,228,145. This industry is practically confined to the Provinces of Ontario and Quebec. The plants in Ontario employed over 81 per cent of the capital, over 70 per cent of the persons engaged in the industry and produced almost 81 per cent of the entire output. The rubber industry also forms an adjunct of considerable importance to the cotton yarn and cloth industry which supplies it with tire fabrics. Besides supplying the domestic market, the industry contributes materially to the export trade of Canada.

The value of production in 1940 was considerably higher than that of the previous year. There was a marked increase in the selling value of tires and inner tubes produced, the value of production rising from \$31,498,051 in 1939 to \$41,634,221 in 1940. The output of footwear decreased, the volume decreasing from 21,057,890 pairs in 1939 to 17,243,347 pairs in 1940 and the value decreasing from \$22,192,408 to \$19,528,586. The miscellaneous section of the rubber industry, which includes such products as rubber heels and soles, rubber belting, hose, medical and druggists' supplies, mechanical rubber goods, etc., increased its production from \$16,255,012 in 1939 to \$21,857,914 in 1940. For the rubber industry as a whole, there was thus an increase of \$13,075,250 in the value of production. There was also an increase of \$9,414,142 in the cost of materials used and an increase of \$1,231,140 in the amount of salaries and wages paid.

Of the three main classes of products manufactured in this industry in 1940, rubber tires and tubes accounted for \$41,634,221 or over 50 per cent of the total, rubber footwear for \$19,528,586 or over 23 per cent, and other rubber goods for the balance of \$21,857,914 or almost 27 per cent. Compared with the previous year the output of rubber tires and tubes increased in value by \$10,136,170 or over 32 per cent, other rubber goods increased by \$5,602,902 or over 34 per cent, while rubber footwear decreased by \$2,663,822 or over 12 per cent.

Detailed statistics of production, employment, materials used, capital invested, imports and exports, etc., are given in the tables following.

THE RUBBER INDUSTRY IN CANADA, 1940

Table 1(a). - Principal Statistics, by Years, 1920 to 1940.

Year	Estab-	Capital Invested	Em-	Salaries and Wages	Cost of Materials Used	Gross
	lish- ments					\$
	No.	\$	No.	\$	\$	\$
1920 .....	35	58,370,039	15,238	16,199,930	41,838,200	30,717,308
1921 .....	35	54,237,618	9,798	9,759,326	16,857,124	33,469,786
1922 .....	34	50,154,503	10,122	10,326,918	19,196,945	45,933,068
1923 .....	40	56,061,625	11,646	12,329,117	26,335,306	56,512,947
1924 .....	38	56,160,950	10,778	11,413,632	24,519,236	57,411,446
1925 .....	40	65,562,734	12,963	14,143,165	38,389,352	78,229,574
1926 .....	39	62,661,702	13,587	14,708,025	49,902,189	86,508,137
1927 .....	44	66,266,064	15,065	16,621,543	44,724,502	91,413,730
1928 .....	45	70,459,066	17,095	18,943,730	45,118,570	97,208,713
1929 .....	44	73,877,478	17,796	20,134,501	42,940,747	96,934,630
1930 .....	47	69,164,512	15,163	15,895,479	28,821,759	73,752,675
1931 .....	48	67,446,955	12,158	11,708,387	17,630,081	52,691,230
1932 .....	47	65,794,903	10,325	9,340,911	11,906,696	40,746,910
1933 .....	45	65,314,472	9,758	8,910,124	12,914,680	41,511,556
1934 .....	51	66,047,471	11,079	10,858,637	18,439,498	55,230,381
1935 .....	45	63,435,798	11,023	11,017,431	20,258,774	55,949,570
1936 .....	50	64,600,479	11,881	11,954,016	23,598,661	62,054,808
1937 .....	50	65,119,212	13,035	14,041,066	31,126,755	74,263,753
1938 .....	53	64,854,448	12,879	14,061,788	24,301,221	61,030,710
1939 .....	54	65,374,269	14,160	15,603,774	28,814,003	69,945,471
1940 .....	52	70,588,546	14,297	16,834,914	38,228,145	83,020,721

Table 1(b). - Principal Statistics, by Provinces.

Year	Estab-	Capital Invested	Em-	Salaries and Wages	Cost of Materials Used	Gross
	lish- ments					\$
1940						
CANADA ....	52	70,588,546	14,297	16,834,914	38,228,145	83,020,721
Quebec .....	14	13,110,325	4,148	3,882,469	6,579,368	15,927,636
Ontario .....	33	57,437,575	10,119	12,928,317	31,635,944	67,051,598
Other Provinces	5	40,646	30	24,128	12,835	41,487
1939						
CANADA ....	54	65,374,269	14,160	15,603,774	28,814,003	69,945,471
Quebec .....	14	11,800,078	4,141	3,589,984	5,456,164	14,123,918
Ontario .....	35	53,540,653	9,993	11,392,985	23,344,495	55,784,921
Other Provinces	5	33,538	26	20,825	12,344	36,632

Note: Profits or losses cannot be estimated from Census figures as no data are collected for certain expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

THE RUBBER INDUSTRY IN CANADA, 1940.

Table 2. - Comparative Summary of Production in the Rubber Industry.

	1940	1939	1938
Total selling value of all tires and tubes .	\$ 41,634,221	\$ 31,498,051	\$ 28,786,804
Total selling value of all footwear .....	19,528,586	22,192,408	17,683,697
Total selling value of all other products...	21,857,914	16,255,012	14,560,209
GRAND TOTAL OF ALL PRODUCTS .....	83,020,721	69,945,471	61,030,710

Tire Production

A comparative summary of tire production is presented in the following table.

Table 3. - Tire Production.

Year	Pneumatic Tires				Solid Tires	
	Casings		Inner Tubes		Number	Selling Value
	Number	Selling Value	Number	Selling Value		
1922 ....	1,505,478	\$ 19,670,678	1,520,724	\$ 2,633,616	15,572	\$ 476,735
1923 ....	2,190,656	23,691,563	2,291,938	3,686,055	22,546	658,090
1924 ....	2,187,415	23,185,736	2,491,805	4,361,554	20,995	531,189
1925 ....	3,023,109	33,922,226	3,510,611	6,988,033	20,918	721,039
1926 ....	3,057,447	38,689,847	3,576,184	8,019,198	18,061	798,049
1927 ....	3,893,973	40,963,240	4,295,917	8,334,099	21,471	859,552
1928 ....	4,375,045	41,279,358	4,660,823	7,382,193	17,377	532,636
1929 ....	4,534,082	43,786,363	4,699,662	6,691,773	10,906	387,227
1930 ....	3,394,885	51,270,207	3,397,779	4,918,548	502,064 lb.	168,489x
1931 ....	2,575,156	22,647,068	2,291,298	3,192,993	406,140 lb.	96,769x
1932 ....	1,728,026	13,903,842	1,519,823	1,742,020	384,286 lb.	101,611x
1933 ....	1,898,416	15,752,116	1,721,913	1,943,339	545,494 lb.	82,083x
1934 ....	2,611,222	23,750,847	2,349,217	3,057,306	742,210 lb.	99,256x
1935 ....	2,465,167	23,884,022	2,284,110	3,155,175	538,665 lb.	88,552x
1936 ....	2,527,213	25,171,244	2,457,346	3,514,588	585,039 lb.	97,890x
1937 ....	2,916,020	31,586,894	2,758,393	4,147,458	651,305 lb.	102,431x
1938 ....	2,392,337	25,328,672	2,155,412	3,062,235	456,731 lb.	74,539x

For 1933 and 1940, See Tables 4, 5, 6 and 7.

NOTE: The above figures include motorcycle tires and tubes, but do not include bicycle tires and tubes.

x Includes "solid carriage and automobile tires", and "all other rubber tires" (including baby cab tires and tiring)

THE RUBBER INDUSTRY IN CANADA, 1940.

The production of tires and tubes is presented in Tables 4 and 5 for the year 1939 and Tables 6 and 7 for the year 1940. The total selling value of all tires and tubes rose from \$31,498,051 in 1939 to \$41,634,221 in 1940, an increase of \$10,136,170.

Table 4. - Production of Tires, by Types, Quantities and Values, 1939.

Kinds	1st Line Number	2nd Line Number	3rd Line Number	Total Number	Total selling value at factory \$
Balloon, passenger car					
(a) Standard .....	678,675	191,167	528,059	1,397,901	9,040,511
(b) Heavy Duty .....	406,256	99,661	105,143	611,000	5,474,619
Balloon, bus and truck .....	233,864	16,050	563	250,477	5,649,343
High Pressure					
(a) 30 x 3 <sup>1</sup> <sub>2</sub> .....	397	7,300	36,397	44,094	171,532
(b) Other passenger .....	134	2,922	404	3,460	32,507
(c) Bus and truck .....	262,964	44,319	4,780	312,063	6,823,512
Metric .....	677	138	386	1,201	8,352
Motorcycle .....	9,437	-	-	9,437	40,025
Bicycle .....	70,633	295,422	17,066	383,121	266,852
Implement and tractor, pneumatic .....	22,670	-	90	22,760	355,208
Horse-drawn vehicle					
(a) Pneumatic .....	1,568	-	149	1,717	10,374
(b) Solids .....	300	-	-	300	900
Automotive vehicle solids .	760	-	-	760	12,637
Industrial .....	544	-	-	544	2,199
TOTAL TIRES	1,688,879	656,979	603,037	3,058,895	27,888,571
Baby cab and toy tires and tiring .....				648,438 pounds	69,860
TOTAL VALUE OF TIRES AND TIRING					\$27,958,431

Table 5. - Production of Tubes, by Types, Quantities and Values, 1939.

Kinds	1st Line Number	2nd Line Number	3rd Line Number	Total Number	Total selling value
Passenger car .....	792,735	172,419	937,599	1,902,753	2,003,224
Bus and truck .....	264,571	158,769	401	423,741	1,369,026
Implement and tractor .....	21,655	-	-	21,655	55,896
Bicycle .....	178,375	937	217,176	396,488	95,707
All other .....	7,560	-	-	7,560	10,767
TOTAL TUBES	1,264,396	332,125	1,155,176	2,752,197	3,539,620

THE RUBBER INDUSTRY IN CANADA, 1940

Table 6. - Production of Tires, by Types, Quantities and Values, 1940.

Kinds	1st Line	2nd Line	3rd Line	4th Line	Total	Total selling value at factory
	Number	Number	Number	Number	Number	\$
Balloon, passenger car						
(a) Standard .....	647,414	90,550	241,107	529,098	1,508,169	10,100,992
(b) Heavy Duty .....	290,032	53,160	80,061	98,690	527,949	5,172,537
Balloon, bus and truck	394,930	10,714	2,029	-	407,663	14,014,539
High Pressure						
(a) 50 x 3½ .....	48	5,153	7,552	24,773	35,531	138,358
(b) Other passenger ..	58	398	1,775	-	2,231	17,104
(c) Bus and truck ....	206,346	30,036	21,105	-	257,537	6,412,446
Metric .....	2,747	63	-	-	2,810	18,427
Motorcycle .....	10,059	-	-	-	10,059	48,176
Bicycle .....	71,079	140,315	132,986	103,094	447,474	304,323
Implement and tractor, pneumatic .....	53,460	-	-	-	53,460	877,414
Horse-drawn vehicle						
(a) Pneumatic .....	827	-	-	585	1,412	3,808
(b) Solids .....	-	-	250	-	250	750
Automotive vehicle, solid .....	1,433	-	-	-	1,433	24,018
Industrial .....	2,661	2,420	-	-	5,081	16,070
Airplane .....	8,054	-	-	-	8,054	134,032
TOTAL TIRES	1,695,138	330,870	492,865	756,240	3,275,113	37,238,054
Baby cab and toy tires and tiring .....					623,645 pounds	74,489
TOTAL VALUE OF TIRES AND TIRING						\$37,362,543

Table 7 - Production of Tubes, by Types, Quantities and Values, 1940.

Kinds	1st Line	2nd Line	3rd Line	Total	Total selling value
	Number	Number	Number	Number	\$
Passenger car .....	810,423	177,369	834,292	1,872,084	2,189,655
Bus and truck .....	496,306	45,481	5,675	547,462	1,709,940
Implement and tractor .....	57,524	-	-	57,524	166,956
Bicycle .....	229,194	124,728	115,321	469,243	157,063
Airplane .....	9,931	-	-	9,931	41,337
All Other .....	4,902	-	-	4,902	6,707
TOTAL TUBES	1,608,080	347,578	1,005,288	2,960,946	4,271,678

THE RUBBER INDUSTRY IN CANADA, 1940.

Footwear Production

The production of rubber footwear is shown by classes, quantity and selling value at the factory in Table 8 for the years 1939 and 1940. Compared with 1939 there were decreases of 3,814,543 in the number of pairs of all classes manufactured and \$2,663,822 in the value of production.

Table 8. - Rubber Footwear Production by Classes.

Kind	1940		1939	
	Quantity	Selling Value	Quantity	Selling Value
		Pairs		\$
Boots, all rubber				
(a) Knee, stormking and hip .....	2,800,892	4,813,323	3,817,790	5,821,808
(b) Lumbermen's .....	1,122,160	1,475,434	1,557,188	1,952,946
Boots, rubber bottoms and leather tops, Lumbermen's ....	380,582	1,301,430	297,003	960,783
Bottoms for leather tops .....	116,677	158,467	222,067	295,745
Overshoes and galoshes (not including jersey storms)				
(a) Rubber, with fabric uppers .....	2,633,927	4,479,295	2,827,480	4,661,704
(b) All rubber, lined and unlined .....	985,453	1,029,128	1,551,492	1,421,745
Light and heavy rubbers (including jersey storms) ....	4,313,100	2,461,465	5,185,405	2,985,616
Bathing Shoes .....	62,654	25,322	165,776	68,638
Rubber-soled footwear, with canvas or other fabric tops				
(a) Balmorals .....	878,754	659,188	783,483	560,901
(b) Oxfords .....	3,592,757	2,556,208	4,347,620	2,832,611
Rubber-soled footwear, with leather tops				
(a) Balmorals .....	19,759	47,271	15,928	32,933
(b) Oxfords .....	335,220	520,978	286,499	596,726
Other footwear .....	1,412	1,077	159	252
TOTAL FOOTWEAR .....	17,243,347	19,528,586	21,057,890	22,192,408

THE RUBBER INDUSTRY IN CANADA, 1940.

Other Rubber Goods

The production of rubber goods other than tires, tubes and footwear is given in Table 9 for the years 1939 and 1940. There was an increase in the total value of production amounting to \$5,602,902.

Table 9. - Other Products of the Rubber Goods Industry.

Articles Manufactured	Unit of Measure	1940		1939	
		Quantity	Selling Value at the Works \$	Quantity	Selling Value at the Works \$
Rubber clothing (coats, capes, headwear, etc.)	Number	409,211	692,786	661,212	629,544
Rubberized or waterproofed fabrics and artificial leather .....	Yard	1,387,687	712,290	1,466,406	597,064
Rubber and composition soles .....	Pair	1,713,180	307,004	3,182,345	508,817
Rubber and composition half soles .....	"	752,080	92,702	1,054,841	114,165
Rubber and composition heels .....	"	15,099,001	792,704	19,054,122	952,775
Rubber soling and rubber slabs for heels, etc. . . .	Pound	911,955	275,362	680,536	133,627
Rubber belting .....	"	5,627,865	2,464,346	5,699,831	1,940,655
Fan belts for automobiles .....	Number	1,089,411	362,997	912,730	292,133
Other rubber belts .....	Pound	213,054	111,806	131,587	77,157
Rubber hose .....	"	9,211,886	3,905,248	6,127,887	2,259,298
Rubber tubing .....	"	242,911	116,615	302,945	100,107
Rubber packing .....	"	685,835	137,877	700,248	135,845
Rubber supplies for plumbers, etc., including washers, gaskets, valves, plugs, etc. . . . .	-	-	219,432	-	195,928
Rubber thread, covered and not covered .....	Pound	503,601	582,400	217,111	134,974
Rubber, hard, in sheets, strips and rods .....	"	32,192	25,277	25,101	22,076
Rubber and friction tape .....	"	1,355,207	445,404	1,045,788	327,035
Rubber covered rolls .....	Number	202,154	328,547	131,321	209,835
Rubber roll covering .....	Pound	304,115	144,756	356,540	143,939
Rubber coverings and linings for tanks, pipes, etc	"	216,851	205,319	152,964	159,525
Latex-covered products .....	-	-	28,241	(x)	(x)
Rubber floor mats and matting, including stair treads and stair nosing .....	Pound	4,815,299	733,894	4,199,390	611,228
Rubber tiling and flooring .....	"	80,802	25,566	164,698	48,329
Reclaimed rubber .....	"	(x)	(x)	(x)	(x)

THE RUBBER INDUSTRY IN CANADA, 1940.

Table 9. -- Other Products of the Rubber Goods Industry (Continued).

Articles Manufactured	Unit of Measure	1940		1939	
		Quantity	Selling Value at the works	Quantity	Selling Value at the works
Repair gums and fabrics .....	Pound	828,266	\$ 358,945	693,398	\$ 310,334
Other unvulcanized gums .....	"	718,289	180,053	472,415	116,127
Rubber cement (for sale as such) .....	Gallon	228,328	267,361	226,063	209,681
Air and steam bags .....	Number	5,232	36,363	5,533	44,795
Tire and tube patches .....	"	5,524,320	206,956	3,984,729	233,557
Tube repair kits .....	"	1,043,889	127,765	1,106,560	132,337
Rim strips .....	"	19,550	1,612	23,342	1,840
Tire flaps .....	"	239,312	108,971	333,261	154,771
Tire flap material .....	Pound	45,046	12,538	42,696	10,153
Battery containers and parts .....	Number	4,522,633	571,287	4,190,355	471,912
Rubber automobile supplies, not elsewhere specified .....	Pound	2,894,537	580,437	2,071,511	392,096
Druggists' and medical sundries --					
Hot water bottles .....	Dozen	42,638	165,282	51,367	\$ 109,333
Fountain syringes .....	"	2,776	14,558	2,723	14,174
Bulb syringes and bulbs .....	"	12,021	31,091	11,114	28,374
Combination attachment sets .....	"	5,502	19,431	5,763	16,421
Nipples and soothers .....	"	261,318	62,116	160,745	51,853
Ice caps and collars, etc. .....	"	4,381	23,211	4,174	25,750
Air cushions, invalid rings, etc. .....	"	905	11,420	805	9,136
Rubber gloves .....	"	150,297	298,112	199,317	319,272
Rubberized gloves .....	"	14,522	45,757	10,570	30,917
Finger cots and pads .....	"	154,896	13,672	175,026	12,916
Rubber crib sheets, (finished and blanks) .....	"	35,822	70,215	30,630	65,375
Rubber sheets, other .....	"	33,098	836,332	818	6,335
Rubber sheeting (hospital, crib, etc.) .....	Yard	123,139	62,736	129,520	66,764
All other (bandages, trusses, pads, douches, air & sponge mattresses, etc.) .....	--	--	26,725	--	10,535
Rubber stationery goods, including erasers, rubber bands, etc. ....	Pound	450,031	\$ 245,307	615,154	280,673
Rubber jar rings .....	"	862,302	252,583	686,673	211,253
Rubber weatherstripping .....	"	186,659	69,224	154,841	57,009
Rubber and rubberized aprons .....	Dozen	6,980	26,014	15,429	38,980

THE RUBBER INDUSTRY IN CANADA, 1940.

Table 9. -- Other Products of the Rubber Goods Industry (Concluded).

Articles Manufactured	Unit of Measure	1940		1939	
		Quantity	Selling Value at the works \$	Quantity	Selling Value at the works \$
Rubber baby pants (finished and blanks) . . . . .	Dozen	155,401	122,807	445,914	257,482
Dress shields . . . . .	"	102,339	51,062	103,703	80,895
Cases, (travelling, tourist, etc.) . . . . .	"	(x)	(x)	2,415	11,357
Bags, (cosmetic, etc.) . . . . .	"	(x)	(x)	-	21,496
Curtains, shower bath . . . . .	"	(x)	(x)	213	9,883
Sanitary goods, n.e.s., including hose supporters, girdles, brassieres, belts, bloomers, etc. . . . .	"	713,209	130,405	641,156	108,023
Bathing caps, shower caps, etc. . . . .	"	<b>44,466</b>	96,927	47,106	110,485
Rubber bathing suits . . . . .	"	(x)	(x)	111	2,186
Rubber play balls, including bladders for foot-balls, etc. . . . .	"	228,626	127,615	182,929	85,910
Rubber tobacco pouches . . . . .	"	7,025	8,505	5,040	5,789
Hockey pucks . . . . .	"	14,647	6,920	17,089	8,803
Balloons, all shapes . . . . .	"	(916,150)	98,787	1,670,880	133,516
Rubber toys and novelties . . . . .	"	(		5,991	3,602
Fly swatters . . . . .	"	44,917	20,600	101,509	18,657
Gas masks . . . . .	"	34,740	319,377	( - )	65,595
Gas mask equipment and parts . . . . .	"	50,254	63,895	( - )	
Table covers, bridge, etc. . . . .	"	3,422	3,566	3,311	18,051
Moulded rubber goods, n.e.s. . . . .	Pound	3,051,317	1,140,528	1,396,277	657,867
Sponge & hard rubber mats, pads, cushions, etc. . . . .	Dozen	22,212	26,048	8,625	16,086
Soft and sponge rubber goods, n.e.s. . . . .	Pound	1,440,807	673,061	620,536	137,846
Hard rubber goods, n.e.s. . . . .	"	789,153	225,447	886,906	183,979
All other products, including waterproofed clothing, reclaimed rubber, golf balls & golf ball centres, moulded plastics, etc. etc. . . . .	--		1,307,717	-	1,255,859
<b>TOTAL VALUE OF OTHER PRODUCTS</b> . . . . .	--	-	<b>21,857,914</b>	-	<b>16,255,012</b>

(x) Included under "all other products".

NOTE: Production figures given above are not necessarily complete, as some items may appear as major or secondary products in other industries. For the total production reference should be made to the Appendix to the annual reports on "The Manufacturing Industries of Canada."

THE RUBBER INDUSTRY IN CANADA, 1940

Table 10. - Materials Used by Quantity and Cost Value.

Classes of Materials	Unit of Measure	1940		1939	
		Quantity	Cost Value at Factory	Quantity	Cost Value at Factory
Rubber, raw or crude, including gutta percha	Pound	82,949,386	17,553,598	70,818,411	11,885,991
Rubber reclaimed .....	"	18,901,110	1,084,528	16,838,039	926,136
Rubber, scrap .....	"	17,264,000	188,566	18,500,000	158,221
Rubber, liquid (latex) .....	Gallon	344,011	585,082	236,825	313,128
Rubber, all other .....	Pound	84,659	30,636	192,371	73,241
Tire fabrics .....	"	16,984,572	5,171,405	14,523,903	3,983,580
Hose fabrics .....	"	733,929	312,607	543,490	155,585
Belting duck .....	"	3,005,266	795,708	2,944,761	702,638
Shoe duck .....	Yard	1,008,736	470,492	1,191,363	434,292
Wool jersey .....	"	102,148	115,576	100,790	103,402
Fur .....	"	1,484,543	415,911	-	374,947
Rubber Sheetings .....	"	450,112	88,655	(x)	(x)
Cottons, cashmerettes, velvets, etc. ....	Yard	13,891,498	2,524,093	15,823,202	2,423,480
Cotton fibre .....	Pound	460,414	15,177	452,818	13,625
Felt .....	"	224,071	140,677	416,734	200,901
Leather .....	"	889,797	513,239	1,002,079	545,559
Imitation leather .....	"	(x)	(x)	16,710	11,913
Carbon black .....	"	16,545,888	746,240	14,110,043	527,700
Clays and earths .....	"	7,172,900	90,867	6,876,062	80,745
Mica, ground .....	"	200,199	10,984	138,229	9,423
Solvents (gasoline, benzol, etc.) .....	Gallon	1,467,992	210,013	1,423,326	199,796
Sulphur .....	Pound	2,984,186	75,219	2,538,477	58,977
Soapstone.....	"	535,457	4,029	368,869	2,689
Whiting.....	"	13,633,936	106,119	15,712,984	120,100
Zinc oxide .....	"	10,286,326	605,604	8,983,344	408,389
Talc .....	"	1,709,818	17,587	1,413,168	13,121
Barytes .....	"	1,291,692	36,659	631,512	10,483
Other chemicals, etc. .	-	-	2,238,982	-	1,729,389
Wire, bead, etc. .....	Pound	3,297,320	396,112	2,772,393	331,902
Hardware fittings.....	-	-	824,543	-	485,031
Shoe findings, buckles, eyelets, etc. ....	-	-	469,232	-	438,188
Paints, varnishes, etc.	Gallon	27,629	43,264	27,242	38,956
Rubber cement .....	"	248,354	53,775	203,173	40,605
Thread for sewing .....	-	-	47,737	-	44,771
Inserts, steel .....	-	-	147,268	-	95,293
Containers and packaging material .....	-	-	861,464	-	969,794
All other materials ...	-	-	1,236,497	-	902,012
<b>TOTAL COST OF MATERIALS USED .....</b>	-	-	<b>38,228,145</b>	-	<b>28,814,003</b>

(x)

Included under "all other".

THE RUBBER INDUSTRY IN CANADA, 1940.

Table II. - Principal Statistics of the Rubber Industry, Grouped According to the Size of Establishments.

Establishments having a production of:	Number of Establish- ments	Capital Invested	Total Number of Employees	Salaries and Wages	Cost of Materials Used	Value of Production
<u>1940</u>						
Under \$5,000 .....	4	9,775	10	7,905	3,215	9,805
\$5,000 to \$25,000 .....	6	82,290	41	36,994	30,947	92,513
\$25,000 to \$50,000 .....	7	234,433	99	81,633	84,030	238,171
\$50,000 to \$100,000 .....	2	98,370	59	35,013	65,762	135,487
\$100,000 to \$500,000 .....	12	2,493,780	907	856,225	1,394,708	3,327,936
\$500,000 to \$1,000,000 ....	5	3,454,392	1,211	1,067,794	1,492,334	3,637,390
\$1,000,000 and over .....	16	64,215,506	11,970	14,749,350	35,157,149	75,579,419
TOTAL .....	52	70,588,546	14,297	16,834,914	38,228,145	83,020,721
<u>1939</u>						
Under \$5,000 .....	4	7,759	8	3,859	3,041	8,359
\$5,000 to \$25,000 .....	9	135,366	60	52,752	48,929	128,611
\$25,000 to \$50,000 .....	6	221,306	106	77,471	85,676	234,262
\$50,000 to \$100,000 .....	3	269,038	90	74,586	98,512	226,808
\$100,000 to \$500,000 .....	11	2,160,906	873	796,739	1,347,507	2,945,809
\$500,000 to \$1,000,000 ....	5	2,724,630	1,496	1,257,733	1,694,717	3,848,143
\$1,000,000 and over .....	16	59,855,264	11,527	13,340,634	25,535,621	62,553,479
TOTAL .....	54	65,374,269	14,160	15,603,774	28,814,003	69,945,471

## THE RUBBER INDUSTRY IN CANADA, 1940.

Table 12. - Capital Investment.

Year	Fixed Capital Present Value of land, buildings, fixtures, machinery, etc.	Working Capital Inventory value of materials, stocks, finished products, etc. on hand	Cash, trading, and operating accounts, etc.	Total Capital
CANADA, 1930 .....	42,985,834	13,671,705	12,506,973	69,164,512
CANADA, 1931 .....	42,547,378	11,428,826	13,470,751	67,446,955
CANADA, 1932 .....	42,339,533	9,226,396	14,628,974	65,794,903
CANADA, 1933 .....	40,936,872	9,258,565	15,119,035	65,314,472
CANADA, 1934 .....	40,550,319	12,832,911	12,864,241	66,047,471
CANADA, 1935 .....	39,244,255	13,174,347	11,017,196	63,435,798
CANADA, 1936 .....	37,368,800	15,935,318	11,296,361	64,600,479
CANADA, 1937 .....	37,848,950	16,219,428	11,050,834	65,119,212
CANADA, 1938 .....	38,102,399	14,609,027	12,143,022	64,854,448
<b>1940</b>				
CANADA .....	35,561,790	22,565,356	12,461,400	70,588,546
Quebec .....	7,944,136	3,552,749	1,613,440	13,110,325
Ontario .....	27,594,347	19,002,534	10,840,694	57,437,575
Other Provinces ..	23,307	10,073	7,266	40,646
<b>1939</b>				
CANADA .....	35,040,587	17,629,011	12,704,671	65,374,269
Quebec .....	7,571,879	2,720,450	1,507,749	11,800,078
Ontario .....	27,448,820	14,900,929	11,190,904	53,540,653
Other Provinces ..	19,888	7,632	6,018	33,538

Table 13. - Employees, by sex and remuneration.

	Salaried Employees			Wage-earners (Monthly Averages)			Total Employees Salaries and Wages		
	Male	Fe- male	Total Salaries	Male	Fe- male	Total Wages	Male	Fe- male	Salaries and Wages
<b>1940</b>									
CANADA .....	1,816	691	4,433,423	8,514	3,276	12,401,491	10,330	3,967	16,834,914
Quebec .....	392	141	821,254	2,256	1,359	3,061,215	2,648	1,500	3,882,469
Ontario .....	1,418	547	3,603,855	6,243	1,911	9,324,462	7,661	2,458	12,928,317
Other Provinces ..	6	3	8,314	15	6	15,814	21	9	24,128
<b>1939</b>									
CANADA .....	1,963	677	4,524,766	8,004	3,616	11,079,008	9,967	4,193	15,603,774
Quebec .....	388	140	744,260	2,207	1,406	2,845,704	2,595	1,546	3,589,964
Ontario .....	1,570	534	3,772,698	5,784	2,105	8,220,287	7,354	2,639	11,992,985
Other Provinces ..	5	3	7,808	13	5	13,017	18	8	20,825

THE RUBBER INDUSTRY IN CANADA, 1940.

Table 14. - Monthly Employment of Wage-earners, by Sex.

Months	1940			1939		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January .....	8,183	3,026	11,209	7,343	3,272	10,615
February .....	8,214	3,104	11,318	7,255	3,251	10,506
March .....	8,243	3,191	11,434	7,667	3,415	11,082
April .....	8,090	3,148	11,238	7,791	3,473	11,264
May .....	7,938	3,117	11,055	8,010	3,501	11,511
June .....	8,251	3,062	11,313	8,043	3,403	11,446
July .....	8,285	2,846	11,131	7,815	3,071	10,886
August .....	8,858	3,410	12,268	8,194	3,659	11,853
September .....	8,859	3,643	12,502	8,526	3,759	12,285
October .....	9,028	3,665	12,693	8,589	3,930	12,519
November .....	9,068	3,594	12,662	8,570	3,989	12,559
December .....	9,107	3,506	12,613	8,212	3,451	11,663
MONTHLY AVERAGE ..	8,514	3,276	11,790	8,004	3,516	11,520

Table 15. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work per Week and Average Weekly Earnings.

Number of Hours Worked per Week	Male		Female	
	1940	1939	1940	1939
30 hours or less .....	263	166	172	95
31 - 43 hours .....	1,826	1,765	861	767
44 hours .....	371	338	274	317
45 - 47 hours .....	1,223	1,126	874	560
48 hours .....	1,295	1,023	308	230
49 - 50 hours .....	1,118	1,071	610	643
51 - 54 hours .....	1,647	1,940	526	964
55 hours .....	602	365	157	59
56 - 64 hours .....	1,211	570	119	58
65 and over .....	258	58	2	-
Average hours per week ...	48.3	47.3	45.3	46.2
Average weekly earnings ...	\$24.87	\$22.39	\$13.81	\$13.84

## THE RUBBER INDUSTRY IN CANADA, 1940.

Table 16. - Power Equipment.

Classes of Power	1940		1939	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and turbines ..				
(in use	26	5,882	20	1,232
(idle	7	1,037	8	1,284
Hydraulic turbines or water wheels, .....	(in use	4	1,300	1,300
Electric motors, operated by purchased power ..	(in use	5,796 <sup>x</sup>	65,838	66,269
(idle	243	2,934	250	3,307
TOTAL POWER AVAILABLE FOR MANUFACTURING .....	6,076	76,991	4,488	73,392
Electric motors, operated by power generated by the establishment .....	120	845	120	845
TOTAL ELECTRIC MOTORS .....	6,159	69,617	4,576	70,421
Boiler installation (in use	58	10,954	61	11,015
(idle	11	1,826	12	11,740

<sup>x</sup> Includes about 1,500 motors having only about 500 horse-power.

Table 17. - Consumption of Fuel and Electricity.

Classes of Fuel	Unit of Measure	1940		1939	
		Quantity	Cost Value at Factory	Quantity	Cost Value at Factory
Bituminous coal .....	Short ton	92,877	\$ 569,161	79,746	472,466
Anthracite coal .....	" "	21	259	13	170
Coke .....	" "	355	2,654	335	2,297
Gasoline <sup>x</sup> .....	Imp. Gal.	14,692	3,695	559	103
Kerosene or coal oil .....	" "	793	128	535	86
Fuel oil .....	" "	36,724	2,843	25,433	1,990
Wood .....	Cord	529	1,263	1,130	2,487
Gas, manufactured .....	M cu. ft.	8,147	7,001	5,754	4,358
Gas, natural .....	" " "	218	93	-	-
All other fuel (includes purchased steam) .....	-	-	-	-	62,570
TOTAL COST OF FUEL .....	-	-	587,097	-	546,527
Electricity purchased (including service charges) ..	Kw. H.	142,850,065	801,541	143,974,005	785,373
TOTAL COST OF FUEL AND ELECTRICITY .....	-	-	1,388,638	-	1,331,900

<sup>x</sup> 1940 figures included gasoline used in cars and trucks.

THE RUEBER INDUSTRY IN CANADA, 1940.

Table 18. - Imports of Rubber and Rubber Goods by Articles for the Calendar Years 1939 and 1940.

Articles Imported	Unit of Measure	1940		1939	
		Quantity	Value	Quantity	Value
Gutta-percha, unmanufactured	Pound	18,860	14,426	12,116	8,366
Balata, crude, unmanufactured	"	20,498	9,872	21,633	4,122
Rubber, crude, unmanufactured	"	114,215,803	22,962,210	70,816,852	11,357,055
Latex (dry weight) .....	"	3,530,198	1,013,625	1,999,768	447,537
Rubber, hard, in sheets, strips, rods or tubes .....	"	42,276	59,878	42,035	29,609
Rubber, powdered, and rubber waste .....	"	6,301,400	114,165	6,080,000	96,696
Rubber, recovered .....	"	16,065,500	847,192	14,932,300	761,342
Rubber, substitute .....	"	391,900	104,259	343,200	74,733
Rubber thread, not covered ..	"	40,743	37,770	64,359	49,697
Bathing shoes, rubber .....	Pair	29,342	7,482	61,802	13,180
Canvas shoes with rubber soles	"	125,527	35,974	133,177	47,682
Boots and shoes, rubber, n.o.p.	"	7,621	10,757	46,238	41,726
Tires, bicycle, pneumatic casings .....	Number	41,659	23,934	81,505	41,630
Tires, bicycle, inner tubes .	"	31,502	6,356	37,061	8,328
Tires, pneumatic rubber tire casings, n.o.p. .....	"	131,645	5,774,975	29,769	474,821
Tires, inner tubes, n.o.p. ..	"	120,836	880,098	12,937	36,778
Tires, solid rubber, for automobiles and trucks .....	"	282	11,092	209	11,057
Tires, solid rubber, n.o.p. .	-	-	16,507	-	10,845
Golf balls .....	Dozen	34,175	66,697	36,695	78,196
Heels, rubber .....	Pair	80,362	6,957	77,334	5,013
Comb blanks of hard rubber ..	-	-	47,745	-	31,241
Hose, rubber and rubber lined	-	-	284,274	-	134,487
Belting, rubber .....	-	-	163,878	-	122,136
Cement, rubber .....	-	-	131,891	-	85,586
Raincoats, rubber or water- proofed .....	Number	21,705	92,985	18,603	61,507
Clothing, rubber or water- proofed, n.o.p. .....	-	-	45,369	-	38,912
Gloves, rubber .....	Doz.Pr.	7,644	26,411	8,274	23,630
Hot water bottles, rubber ..	-	-	9,618	-	11,208
Mats and matting, rubber ...	-	-	95,467	-	61,127
Packing, rubber .....	-	-	94,137	-	72,076
Liquid rubber compound .....	-	-	153,920	-	119,257
Manufactures of India rubber and Gutta Percha, n.o.p. ...	-	-	1,984,860	-	1,756,731
<b>TOTAL IMPORTS .....</b>	-	-	<b>35,114,831</b>	-	<b>16,116,311</b>

THE RUBBER INDUSTRY IN CANADA, 1940.

Exports of Rubber and Rubber Goods.

The quantity and value of rubber goods, the produce of Canada, exported to other countries is shown in Table 19, by classes. The total value of rubber and rubber goods exported during the calendar year 1940 amounted to \$12,950,485, a decrease of \$2,816,859 from the previous year. The principal articles exported were pneumatic tires (casings) \$4,981,302, boots and shoes, rubber, n.o.p., \$4,022,184, and rubber hose \$1,087,103.

Table 19. - Exports of Canadian Produce by Classes for the  
Calendar Years, 1939 and 1940.

Articles Exported	Unit of Measure	1940		1939	
		Quantity	Value	Quantity	Value
Heels of rubber .....	Pair	3,013,512	\$112,093	3,768,515	\$124,820
Soles of rubber .....	"	1,072,835	122,619	1,320,349	132,309
Soling slabs of rubber .....	Pound	154,101	27,670	215,758	32,114
Waste rubber .....	Cwt.	139,795	168,795	132,614	129,399
Belting of rubber .....	Pound	1,936,719	490,885	2,441,249	661,830
Hose of rubber .....	-	-	1,087,103	-	357,066
Canvas shoes with rubber soles	Pair	381,175	518,571	2,093,408	1,079,809
Boots and shoes of rubber, n.o.p.	"	3,257,137	4,022,184	4,337,117	4,016,247
Bathing caps of rubber .....	-	-	2,840	-	6,414
Clothing, rubber and water- proofed .....	-	-	290,235	-	522,614
Tires for motor vehicles -					
Pneumatic tire casings .....	Number	424,747	\$4,981,302	703,423	\$7,374,194
Inner tubes .....	"	307,170	479,373	479,316	649,141
Tires for vehicles, n.o.p. ....	"	90	848	154	900
All other manufactures of India-rubber .....	-	-	645,967	-	680,487
 <b>TOTAL VALUE OF EXPORTS</b>		-	<b>12,950,485</b>	-	<b>15,767,344</b>

THE RUBBER INDUSTRY IN CANADA, 1940.

List of Manufacturers of Rubber Goods Reporting in 1940.

INDEX TO MAIN PRODUCTS

- (1) Rubber Footwear
- (2) Rubber Tires
- (3) Other Rubber Goods

<u>Name of Company</u>	<u>Address</u>	<u>Main Products</u>
<u>QUEBEC</u>		
The Acton Rubber Limited	Acton Vale	(1)
American Wringer Company of Canada Limited	Farnham	(3)
The British Rubber Co. of Canada Ltd.	St. Laurent	(1)
The British Tire Co. of Canada Limited	78 Broadway, Lachine	(1), (2)
Cambridge Rubber Limited	St. Remi	(1)
Canadian Lastex Limited	1665 Notre Dame St. <del>E</del> , Montreal	(3)
Dominion Rubber Company Limited	St. Jerome	(1)
Dominion Rubber Company Limited	1806 Notre Dame St.E., Montreal	(3)
Francis, Perry & Company	2223 Harvard Ave., Montreal	(3)
Holtite Rubber Company of Canada Ltd.	Drummondville	(3)
The Miner Rubber Company, Limited	Granby	(1), (3)
Panther Rubber Company Limited	Sherbrooke	(3)
Rubber Regenerating Company of Canada Ltd. (Dominion Rubber Company Limited)	1806 Notre Dame St.E., Montreal	1(3)
Stedfast Rubber Company (Canada) Limited	400 Cowie Street, Granby	(3)
<u>ONTARIO</u>		
Barringham Rubber Co. Ltd.	Oakville	(3)
Bowes "Seal Fast" Company Limited	103 John St. North, Hamilton	(3)
Canada Matting Company	178 Ossington Ave., Toronto	(3)
The Canadian General Rubber Company Ltd.	Galt	(3)
Canadian Rubber Products Company	347 Sorauren Avenue, Toronto	(3)
Central Rubber Company	400 Eastern Avenue, Toronto	(3)
Canadian Collord Products, Ltd.	1524 Windsor Ave., Windsor	(3)
R. W. CooK	Rockwood	(3)
Dominion Rubber Company Limited	51 Breithaupt St., Kitchener	(1)
Dominion Rubber Company Limited	149 Strange St., Kitchener	(2), (3)
Dunlop Tire & Rubber Goods Company Ltd. (Manufacturing tires for "The General Tire & Rubber Company of Canada Ltd.")	870 Queen Street East, Toronto	(2), (3)
Durable Mat Company (Eastern) Limited	Beaverton	(3)
Firestone Tire & Rubber Company of Canada, Limited	Burlington Street E., Hamilton	(2), (3)
The B.F. Goodrich Rubber Co. of Canada Ltd.	521 King St. W., Kitchener	(1), (2), (3)
The Goodyear Tire & Rubber Co. of Canada, Ltd.	Bowmanville	(3)
The Goodyear Tire & Rubber Co. of Canada, Ltd.	New Toronto	(2), (3)



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THE RUBBER INDUSTRY IN CANADA, 1940.List of Manufacturers of Rubber Goods Reporting in 1940.

<u>Name of Company</u>	<u>Address</u>	<u>Main Products</u>
<u>ONTARIO - Concluded</u>		
Cutta Percha and Rubber Limited	160 West Lodge Ave., Toronto	(1), (2), (3)
G. L. Griffith & Sons Limited	341 Erie Street, Stratford	(3)
Jem Rubber Company Limited	3723 Dundas St. W., Toronto	(3)
Kaufman Rubber Company Limited	Kitchener	(1), (3)
L. B. Kleinert Rubber Company	91-93 Wellington St. West, Toronto	{3}
National Rubber Company Limited	970 Queen St. West, Toronto	(3)
The Northern Rubber Company Limited	Guelph	(1)
Sovelyty Rubber Company	150 Canada Street, Hamilton	(3)
Seiberling Rubber Company of Canada Limited	99 Paton Road, Toronto	(2), (3)
Sterling Rubber Company Limited	Guelph	(3)
Joseph Stokes Rubber Company Limited	Welland	(3)
The Trafalgar Rubber Company Limited	Cooksville	(3)
The Trafalgar Rubber Company Limited	Trafalgar	(3)
Trutred (Canada) Limited	488½ Yonge St., Toronto	(3)
Viceroy Manufacturing Company Limited	345 Royce Avenue, Toronto	(3)
Western Rubber Company of Canada	Alton	(3)
S. C. Williams	Woodbridge	(3)

MANITOBA

The Ever-wear Mat Company	332 Alfred Ave., Winnipeg	(3)
Frank Watson	263 Graham Avenue, Winnipeg	(3)

SASKATCHEWAN

W. H. Hodgson Company	430 High St. W., Moose Jaw	(3)
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BRITISH COLUMBIA

A. C. Rubber Manufacturing Company Ltd.	2311 Cambie St., Vancouver	(3)
Durable Mat Company (Canada) Limited	146 Superior Street, Vancouver	(3)