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GENERAL MANUFACTURES BRANCH

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REPORT
ON THE
RUBBER INDUSTRY
IN
CANADA
1938



OTTAWA
1940

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

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THE RUBBER INDUSTRY IN CANADA, 1938.

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. In 1938, however, it was in eighth position.

Establishments manufacturing rubber tires, rubber footwear and other rubber goods numbered 53 in 1938. 34 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 \$38,102,399 in land, buildings, machinery and equipment, and \$26,752,049 in working capital, or a total capital investment of \$64,854,448. They furnished employment to 12,879 persons who received \$14,061,788 in salaries and wages and produced goods valued at \$61,030,710 from materials costing \$24,301,221. This industry is practically confined to the Provinces of Ontario and Quebec. The plants in Ontario employed over 82 per cent of the capital, 72 per cent of the persons engaged in the industry and produced over 80 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 1938 was considerably lower than that of the previous year. There were marked decreases in the volume and selling value of tires and inner tubes produced, the value of production falling from \$36,166,784 in 1937 to \$28,786,804 in 1938. The output of footwear was also smaller, the volume decreasing from 17,944,182 pairs in 1937 to 17,646,495 pairs in 1938 and the value decreasing from \$21,005,538 to \$17,683,697. 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., decreased its production from \$17,091,431 in 1937 to \$14,560,209 in 1938. For the rubber industry as a whole, there was thus a decrease of \$13,233,043 in the value of production. There was also a decrease of 156 in the number of persons employed, but an increase of \$20,722 in the amount of salaries and wages paid.

Of the three main classes of products manufactured in this industry in 1938 rubber tires and tubes accounted for \$28,786,804 or over 47 per cent of the total, rubber footwear for \$17,683,697 or almost 29 per cent, and other rubber goods for the balance of \$14,560,209 or 24 per cent. Compared with the previous year the output of rubber tires and tubes decreased in value by \$7,379,980 or over 20 per cent, rubber footwear by \$3,321,841 or almost 16 per cent, and other rubber goods by \$2,531,222 or over 14 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, 1938

Table 1(a). - Principal Statistics, by Years, 1920 to 1938.

Year	Estab- lish- ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Production \$
1920	35	58,370,039	15,238	16,199,930	41,838,200	80,717,308
1921	35	54,237,618	9,798	9,759,366	16,857,124	39,462,786
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	56,160,930	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	14,708,023	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	96,934,660
1930	47	69,164,512	15,163	15,895,479	28,821,759	73,752,673
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

Table 1(b). - Principal Statistics, by Provinces, 1938.

Items		CANADA	Ontario	Other Provinces
Establishments reporting ...	No.	53	34	19
Capital invested	\$	64,854,448	53,636,642	11,217,806
Employees on salaries -				
Male	No.	1,859	1,490	369
Female	No.	630	516	114
Total salaries	\$	4,376,987	3,660,357	716,630
Employees on wages -				
Male	No.	7,344	5,348	1,996
Female	No.	3,046	1,838	1,148
Total wages	\$	9,684,801	7,357,071	2,327,730
Power equipment -				
Units	No.	4,259	3,477	782
Horse-power capacity ..	H.P.	70,291	54,571	15,720
Cost of fuel and electricity	\$	1,237,518	967,337	270,181
Cost of materials used	\$	24,301,221	19,940,090	4,361,131
Gross value of production ..	\$	61,030,710	49,402,686	11,628,024
Value added by manufacture .	\$	35,491,971	28,495,259	6,996,712

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, 1938.

Table 2. - Comparative Summary of Production in the Rubber Industry,
1936 to 1938.

	1 9 3 6	1 9 3 7	1 9 3 8
	\$	\$	\$
Total selling value of all tires and tubes .	29,134,845	36,166,784	28,786,804
Total selling value of all footwear	19,273,181	21,005,538	17,683,697
Total selling value of all other products ..	13,646,782	17,091,431	14,560,209
GRAND TOTAL OF ALL PRODUCTS	62,054,808	74,263,753	61,030,710

Tire Production

A comparative summary of tire production from 1922 to 1938 is presented in the following table.

Table 3. - Tire Production, 1922 to 1938

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	40,969,240	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	592,636
1929	4,534,082	43,786,363	4,699,662	6,691,773	10,906	387,227
1930	3,394,885	31,270,207	3,397,779	4,918,548	502,064 lb.	168,489 x
1931	2,575,156	22,647,068	2,291,298	3,192,993	406,140 lb.	96,769 x
1932	1,728,026	13,903,842	1,519,823	1,742,020	384,286 lb.	101,611 x
1933	1,898,416	15,752,116	1,721,913	1,943,339	545,494 lb.	82,083 x
1934	2,611,222	23,750,847	2,349,217	3,057,306	742,210 lb.	99,256 x
1935	2,465,167	23,884,022	2,284,110	3,155,175	538,665 lb.	88,552 x
1936	2,527,213	25,171,244	2,457,346	3,514,588	585,039 lb.	97,890 x
1937	2,916,020	31,586,894	2,758,393	4,147,458	651,305 lb.	102,431 x
1938	2,392,337	25,328,672	2,155,412	3,062,235	456,731 lb.	74,539 x

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 tubing).

THE RUBBER INDUSTRY IN CANADA, 1938

The production of automobile tires (casings and tubes) according to size is presented in Tables 4 and 5 for the year 1938. The total selling value of all casings and tubes produced during the year was \$28,786,804. The value of production, which in 1937 amounted to \$36,166,784 decreased by \$7,379,980 or over 20 per cent during the year under review.

Table 4. -- Production of (a) High Pressure, (b) Balloon Tires and (c) Other Tires

(a) High Pressure Tires (Casings)					
Sizes	Quantity	Selling Value	Sizes	Quantity	Selling Value
	Number	at Factory		Number	at Factory
		\$			\$
30 x 3½	47,938	193,908	36 x 6	670	19,049
31 x 4	1,561	11,700	32 x 7	1,740	51,564
32 x 4	2,176	17,767	34 x 7	31,956	1,053,279
33 x 4	494	4,774	38 x 7	369	16,528
32 x 4½	568	10,336	36 x 8	4,280	225,703
33 x 4½	596	7,759	40 x 8	1,204	60,008
34 x 4½	(x)	(x)	38 x 9	(x)	(x)
30 x 5	31,932	483,787	Miscellaneous		
33 x 5	(x)	(x)	sizes	5,229	95,819
34 x 5	(x)	(x)			
32 x 6	182,682	4,277,068	TOTAL ..	313,395	6,529,049

(x) Less than 3 firms reporting. Included under "Miscellaneous sizes".

(b) Balloon Tires (Casings)

Sizes	Quantity	Selling Value	Sizes	Quantity	Selling Value
	Number	at Factory		Number	at Factory
		\$			\$
3.50-19	4,328	20,541	5.25-17	18,147	132,601
4.00-18	2,645	13,756	5.25-18	48,254	322,154
4.00-19	4,702	24,592	5.25-19	3,915	33,833
4.40-21	52,984	260,578	5.25-20	5,655	43,631
4.50-17	9,004	49,605	5.25-21	10,196	77,340
4.50-18	2,153	12,579	5.50-16	53,201	354,083
4.50-20	28,208	146,754	5.50-17	128,400	941,485
4.50-21	117,280	623,787	5.50-18	10,267	95,807
4.50-23	1,591	14,933	5.50-19	16,564	148,957
4.75-17	2,055	12,020	5.50-20	2,243	23,368
4.75-18	1,384	8,587	6.00-16	817,176	5,983,315
4.75-19	108,397	620,672	6.00-17	12,638	122,318
4.75-20	24,443	141,434	6.00-18	7,552	80,592
4.75-21	438	4,156	6.00-19	3,854	43,578
5.00-16	1,897	14,430	6.00-20	21,676	261,482
5.00-17	1,028	7,067	6.00-21	1,928	23,499
5.00-19	79,770	484,655	6.25-16	46,931	446,858
5.00-20	44,252	275,582	6.50-16	114,978	1,170,424
5.00-21	1,924	14,457	6.50-17	1,720	19,874
5.00-22	738	6,626			
5.25-16	7,957	63,083			

THE RUBBER INDUSTRY IN CANADA, 1938.

Table 4. - Production of (a) High Pressure, (b) Balloon Tires and (c) Other Tires, 1938 - Concluded

(b) Balloon Tires (Casings) (Concluded)					
Sizes	Quantity	Selling Value at Factory	Sizes	Quantity	Selling Value at Factory
	Number	\$		Number	\$
6.50-18	1,205	15,143	8.25-20	12,446	473,987
6.50-19	3,583	52,509	8.25-22	302	12,028
6.50-20	39,011	556,857	9.00-18	8,338	366,197
7.00-15	10,395	124,456	9.00-20	7,887	379,486
7.00-16	35,727	475,253	9.00-22	118	6,321
7.00-17	9,335	143,040	9.00-24	610	33,206
7.00-18	1,204	19,330	9.75-20	3,432	232,067
7.00-19	777	12,954	9.75-22	430	37,221
7.00-20	29,141	573,294	10.50-20	1,631	129,116
7.50-15	907	10,015	10.50-24	161	12,026
7.50-16	13,122	230,827	11.25-24	3,142	128,917
7.50-17	8,698	188,528	Metric sizes .	3,267	34,148
7.50-18	708	11,933	Miscellaneous		
7.50-20	32,758	835,593	sizes	27,143	524,983
7.50-24	351	11,245			
8.25-18	640	23,850	TOTAL	2,078,942	18,799,623

(c) Other Tires			
Kind	Unit of Measure	Quantity	Selling Value at Factory
			\$
Bicycle tires (casings and inner tubes) ...	Number	625,863	321,358
All other rubber tires	Pound	456,731	74,539
TOTAL SELLING VALUE OF OTHER TIRES ...	-	-	395,897

THE RUBBER INDUSTRY IN CANADA, 1938

Table 5. - Production of Tubes, by Sizes, Quantity and Value, 1938

Sizes	Inner Tubes		Sizes	Inner Tubes	
	Quantity	Selling Value		Quantity	Selling Value
	Number	\$		Number	\$
Group A-16	1,566	1,706	32 x 6	133,238	344,871
Group A-17	2,783	4,474	36 x 6	289	1,117
Group A-20-21 ..	263,134	237,005	7.00-15	7,218	11,889
Group B-16	5,880	8,307	7.50-15	1,145	2,897
Group B-17-18 ..	81,087	85,228	7.50-16	10,453	30,844
Group B-19-20 ..	221,577	239,798	7.50-17	7,065	20,511
Group B-21	14,659	17,089	7.50-18	672	1,258
Group C-16	73,989	81,089	36 x 8	3,316	19,182
Group C-17	105,526	134,283	40 x 8	678	4,240
Group C-18-19 ..	31,345	42,857	38 x 9	258	1,902
Group C-20	6,916	11,766	8.25-18	344	1,632
Group CD-16	713,535	817,781	8.25-20	8,686	40,220
Group D-16	166,565	262,339	8.25-22	297	1,507
Group D-17	9,667	19,653	9.00-18	6,749	35,134
Group D-18-19 ..	2,349	4,589	9.00-20	6,612	38,125
Group D-20	2,304	5,034	9.00-22	160	1,245
Group E-24	4,945	8,756	9.00-24	513	3,139
Group F-24	1,794	3,880	9.75-20	2,496	15,574
Group G-24	289	809	9.75-22	385	3,338
Group CT-20	37,045	58,906	10.50-20	972	8,521
Group DT-20	50,654	108,063	10.50-22	451	3,115
Group ET-18	1,496	5,495	Metric sizes	938	1,422
Group ET-20	45,274	164,264	Miscellaneous sizes.	25,441	76,277
Group ET-24	1,546	6,640			
Group W-18	1,112	1,275	TOTAL QUANTITY AND		
Group W-19	4,866	5,795	SELLING VALUE OF		
30 x 3½	79,133	57,344	ALL TUBES	2,155,412	3,062,235

Table 6. - Summary of Tire Production, 1937 and 1938

Kind	Unit of Measure	1937		1938	
		Quantity	Selling Value at the Works	Quantity	Selling Value at the Works
			\$		\$
High-pressure tires - casings	Number	456,254	9,501,148	313,395	6,529,049
Balloon tires - casings	"	2,459,766	22,085,746	2,078,942	18,799,623
Other rubber tires	Pound	651,305	102,431	456,731	74,539
Balloon and high-pressure inner tubes	Number	2,758,393	4,147,458	2,155,412	3,062,235
Bicycle tires - casings and inner tubes	"	645,310	330,001	625,863	321,358
TOTAL SELLING VALUE OF CASINGS AND TUBES	-	-	36,166,784	-	28,786,804

THE RUBBER INDUSTRY IN CANADA, 1938

Footwear Production

The production of rubber footwear is shown by classes, sizes, quantity and selling value at the factory in Table 7 for the year 1938. Compared with 1937 there were decreases of 297,687 in the number of pairs of all classes manufactured and \$3,321,841 in the value of production.

Table 7. - Rubber Footwear Production by Classes and Sizes, 1938

Sizes	Rubber Boots, Knee and Hip		Lumbermen's Rubber Boots		Overshoes, not including Jersey Storms	
	Quantity	Value	Quantity	Value	Quantity	Value
	Pairs	\$	Pairs	\$	Pairs	\$
Men's 6 to 12 ..	1,120,737	2,249,628	1,006,269	1,937,015	679,859	1,047,250
Boys' 1 to 5 ...	210,234	249,367	286,100	325,086	94,040	109,672
Youths' 11 to 13	40,955	40,099	115,248	104,580	17,852	18,465
Women's 2½ to 10	612,752	659,459	40,187	40,604	1,888,454	2,652,031
Misses' 11 to 2.	655,260	584,101	36,160	31,012	317,735	372,080
Children's 4 to 10½	389,552	261,032	99,462	74,210	165,348	174,234
TOTALS	3,029,490	4,043,686	1,583,426	2,512,507	3,163,288	4,373,732
Sizes	Light Rubbers, Jersey Storms and Bathing Shoes		Leather and Canvas rubber-soled footwear, Balmorals		Leather and Canvas rubber-soled footwear, Oxfords	
	Quantity	Value	Quantity	Value	Quantity	Value
	Pairs	\$	Pairs	\$	Pairs	\$
Men's 6 to 12 ..	2,104,633	1,385,861	317,198	324,978	704,758	740,133
Boys' 1 to 5 ...	499,560	263,996	261,832	185,955	214,334	164,393
Youths' 11 to 13	141,258	62,561	93,722	56,828	79,666	49,330
Women's 2½ to 10	1,578,647	886,292	25,805	27,086	1,740,427	1,563,521
Misses' 11 to 2.	461,319	218,127	595	463	582,955	338,847
Children's 4 to 10½	510,040	218,141	15,995	8,664	537,567	258,596
TOTALS	5,295,457	3,034,978	715,147	603,974	3,859,637	3,114,820

THE RUBBER INDUSTRY IN CANADA, 1938

A comparison of rubber footwear production by classes, number of pairs and selling value is given in the summary table following for the years 1937 and 1938.

Table 8. - Comparative Summary of Rubber Footwear by Classes

Classes of Footwear	1 9 3 7		1 9 3 8	
	Quantity	Value	Quantity	Value
	Pairs	\$	Pairs	\$
Rubber boots, knee and hip	3,712,687	6,441,693	3,029,490	4,043,686
Rubber boots, lumbermen's	1,706,653	3,113,766	1,583,426	2,512,507
Overshoes, not including Jersey Storms	3,185,218	5,006,529	3,163,288	4,373,732
Light rubbers, including Jersey Storms and bathing shoes	5,085,038	3,373,953	5,295,457	3,034,978
Canvas rubber-soled footwear, Balmorals	628,414	502,359	715,147	603,974
Canvas rubber-soled footwear, Oxfords	3,626,172	2,567,238	3,859,687	3,114,820
TOTAL FOOTWEAR	17,944,182	21,005,538	17,646,495	17,683,637

Other Rubber Goods

The production of rubber goods other than tires and footwear is given in Table 9 for the year 1938. There was a decrease in the total value of production as compared with 1937 amounting to \$2,531,222.

Table 9. - Other Products of the Rubber Goods Industry, 1938

Articles Manufactured	Unit of Measure	1 9 3 8	
		Quantity	Selling Value at the Works
			\$
Rubber clothing (coats, capes, headwear, etc.)	Number	425,335	515,661
Rubberized or waterproofed fabrics and artificial leather	Yard	1,271,080	487,745
Rubber and composition soles	Pair	2,784,702	416,850
Rubber and composition half soles	"	835,775	93,242
Rubber and composition heels	"	16,107,304	722,044
Rubber soling and rubber slabs for heels, etc.	Pound	545,367	98,485
Mechanical rubber goods -			
Fan belts for automobiles	Number	875,972	259,293
Other rubber belts and belting	Pound	5,107,474	1,991,850
Rubber hose	"	5,174,753	1,861,081
Rubber tubing	"	305,849	120,053
Rubber packing, all kinds	"	451,019	99,798
Rubber supplies for plumbers, etc., including washers, gaskets, valves, plugs, etc. .	-	-	193,701

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Table 9. - Other Products of the Rubber Goods Industry, 1938 - (Continued)

Articles Manufactured	Unit of Measure	1 9 3 8	
		Quantity	Selling Value at the works
			\$
Mechanical rubber goods - (concluded) -			
Rubber and friction tape	Pound	961,789	294,601
Rubber covered rolls	Number	106,954	153,521
Rubber roll covering	Pound	322,569	120,331
Other mechanical rubber goods	-	-	455,081
Rubber floor mats and matting, including stair treads and stair nosing	Pound	4,406,371	627,118
Rubber tiling and flooring	"	107,273	28,864
Reclaimed rubber	"	(x)	(x)
Repair gums and fabrics	"	635,396	255,579
Other unvulcanized gums	"	361,882	97,074
Rubber cement (for sale as such)	Gallon	226,709	206,336
Air and steam bags	Number	6,449	49,185
Tire and tube patches	"	2,529,645	222,425
Tube repair kits	"	1,009,325	117,424
Rim strips	"	38,588	2,793
Tire flaps	"	270,739	123,320
Tire flap material	Pound	35,749	9,050
Battery containers and parts	Number	3,355,369	384,879
Rubber automobile supplies, not elsewhere specified	-	-	383,911
Druggists' and medical sundries -			
Hot water bottles	Dozen	45,272	189,567
Fountain syringes	"	2,266	11,408
Bulb syringes and bulbs	"	8,145	20,616
Combination attachment sets	"	5,635	18,146
Nipples and soothers	"	127,333	38,226
Ice caps and collars, etc.	"	2,970	18,674
Bath sprays	"	369	1,812
Air cushions, invalid rings, etc.	"	762	9,640
Air and sponge mattresses	"	(x)	(x)
Rubber and rubberized gloves, all kinds .	"	171,234	309,598
Finger cots and pads	"	174,623	11,251
Rubber sheets, crib, etc., finished, and blanks	"	25,896	59,752
Rubber sheeting (hospital, crib, etc.) ..	Yard	97,155	37,385
All other (bandages, trusses, pads, douches, etc.)	-	-	10,715
Rubber stationery goods, including erasers, rubber bands, etc.	Pound	708,383	252,726
Rubber jar rings	"	875,315	247,767
Rubber weatherstripping	"	110,603	41,992
Rubber and rubberized aprons	Dozen	19,558	38,745
Rubber baby pants	"	424,403	244,582
Dress shields	"	92,205	76,683

THE RUBBER INDUSTRY IN CANADA, 1938

Table 9. - Other Products of the Rubber Goods Industry, 1938 - (Concluded)

Articles Manufactured	Unit of Measure	1 9 3 8	
		Quantity	Selling Value at the Works
			\$
Sanitary goods, not elsewhere specified, including hose supporters, girdles, brassieres, belts, bloomers, etc.	Dozen	624,415	111,555
Bathing caps	"	35,410	83,061
Rubber bathing suits	"	84	875
Rubber play balls, including bladders for footballs, etc.	"	187,342	78,433
Rubber tobacco pouches	"	5,644	4,344
Horseshoe pads and caulks	"	(x)	(x)
Hockey pucks	"	15,167	6,266
Rubber toys, balloons and novelties	"	2,490,204	173,824
Table covers, bridge, etc.	"	3,566	21,077
Moulded rubber goods, not elsewhere specified .	Pound	1,295,150	606,948
Sponge and hard rubber mats, pads, cushions, etc.	Dozen	6,897	14,248
Soft and sponge rubber goods, not elsewhere specified	Pound	946,192	171,862
Hard rubber goods, not elsewhere specified	"	865,155	205,180
All other products, including waterproof clothing, golf balls, and golf ball centres, cotton aprons, children's cotton dresses, pyjamas, etc., etc.	-	-	1,051,906
TOTAL VALUE OF OTHER PRODUCTS	-	-	14,560,209

(x) Less than three establishments reporting. Included under "all other products".

Materials Used

The quantity and the cost value at the factory of the materials used in this industry is presented in Table 10. Compared with 1937 there was a decrease of \$6,825,534 in the cost of materials used. Raw rubber is the principal material used, being over 41 per cent of the total cost of materials in 1938 and 44 per cent in 1937. The average price of raw rubber has decreased from forty-one cents per pound in 1927 to about eighteen cents per pound in 1937 and in 1938 to about sixteen cents per pound.

THE RUBBER INDUSTRY IN CANADA, 1938

Table 10. - Materials Used by Quantity and Cost Value, 1937 and 1938.

Classes of Materials	Unit of Measure	1937		1938	
		Quantity	Cost Value at Factory	Quantity	Cost Value at Factory
			\$		\$
Rubber, raw or crude, including gutta percha	Pound	74,080,855	13,886,702	60,699,271	10,077,064
Rubber reclaimed	"	17,046,245	892,368	14,087,105	790,654
Rubber, scrap	"	16,475,713	135,846	15,617,395	135,019
Rubber, liquid (latex)	Gallon	199,948	297,143	246,243	307,323
Rubber, all other	Pound	279,355	78,909	265,738	83,907
Tire fabrics	"	14,203,319	4,336,400	12,288,899	3,377,888
Hose fabrics	"	758,303	260,033	373,039	104,383
Belting duck	"	3,646,500	1,045,933	2,570,058	659,271
Shoe duck	Yard	1,058,207	334,248	909,610	332,347
Wool jersey	"	56,918	63,968	74,696	83,554
Fur	Pound		382,479	95,083	338,060
Cottons, cashmerettes, velvets, etc.	Yard	14,499,255	2,509,479	12,469,638	2,077,558
Felt	Pound	487,368	55,517	70,208	49,260
Leather	"	571,431	362,134	594,560	335,661
Carbon black	"	14,452,552	734,290	12,021,118	459,060
Clays and earths	"	7,248,101	79,300	5,884,384	81,935
Mica, ground	"	141,309	6,190	129,112	6,039
Solvents (gasoline, benzol, etc.)	Gallon	1,364,389	209,511	1,229,976	181,233
Sulphur	Pound	2,786,245	60,370	2,230,158	49,262
Soapstone	"	314,071	2,203	356,252	2,652
Whiting	"	14,998,668	107,781	12,353,988	88,683
Zinc oxide	"	9,655,579	535,139	7,653,774	377,268
Talc	"	1,215,237	11,449	1,081,217	10,641
Other chemicals, etc. .	-	-	1,631,587	-	1,408,081
Wire, all kinds	Pound	2,739,218	323,897	2,276,561	279,933
Hardware fittings	-	-	552,819	-	467,406
Shoe findings, buckles, eyelets, etc.	-	-	312,676	-	298,672
Paints, varnishes, etc.	Gallon	60,316	92,323	28,647	38,094
Thread for sewing	-	-	29,928	-	32,240
Containers and packaging material	-	-	867,013	-	835,215
All other materials ...	-	-	929,160	-	932,858
TOTAL COST OF MATERIALS USED	-	-	31,126,755	-	24,301,221

THE RUBBER INDUSTRY IN CANADA, 1938

Table 11. - Principal Statistics of the Rubber Industry, Grouped According to the Size of Establishments, 1937 and 1938.

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>1937</u>						
Under \$5,000	3	4,740	7	3,449	1,446	7,311
\$5,000 to \$25,000	6	72,694	43	31,802	14,803	71,986
\$25,000 to \$50,000	5	117,276	67	55,167	55,997	161,024
\$50,000 to \$100,000	3	135,215	64	47,945	73,170	182,350
\$100,000 to \$500,000	12	2,038,198	893	756,746	1,256,634	2,957,913
\$500,000 to \$1,000,000 ..	5	3,073,384	1,142	1,106,541	1,679,572	3,741,548
\$1,000,000 and over	16	59,677,705	10,819	12,039,416	28,045,133	67,141,621
TOTAL	50	65,119,212	13,035	14,041,066	31,126,755	74,263,753
<u>1938</u>						
Under \$5,000	4	13,806	9	6,041	2,181	5,851
\$5,000 to \$25,000	7	90,367	43	36,421	18,148	64,840
\$25,000 to \$50,000	9)	405,369	193	145,219	151,459	427,741
\$50,000 to \$100,000	1)					
\$100,000 to \$500,000	12	2,083,523	966	826,213	1,313,474	2,990,444
\$500,000 to \$1,000,000 ..	6	5,851,337	1,585	1,433,555	1,564,462	4,344,804
\$1,000,000 and over	14	58,410,046	10,083	11,614,339	21,251,497	53,197,030
TOTAL	53	64,854,448	12,879	14,061,788	24,301,221	61,030,710

THE RUBBER INDUSTRY IN CANADA, 1938

Table 12. - Capital Investment in Canada, 1928 to 1938

Year	Fixed Capital	Working Capital		Total Capital
	Present Value of land, buildings, fixtures, machinery, etc.	Inventory value of materials, stocks, finished products, etc., on hand	Cash, trading, and operating accounts, etc.	
	\$	\$	\$	\$
CANADA, 1928	40,032,637	15,318,481	15,107,948	70,459,066
CANADA, 1929	42,774,839	18,116,126	12,986,513	73,877,478
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	42,939,533	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	40,350,319	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

Table 13. - Wage-earners by Months and Sex, 1937 and 1938

Months	1938		1937		Months	1938		1937	
	Male	Female	Male	Female		Male	Female	Male	Female
	No.	No.	No.	No.		No.	No.	No.	No.
January ...	7,459	2,796	7,217	2,621	July	6,871	2,867	8,333	3,118
February ..	7,384	2,859	7,650	2,894	August ...	7,359	3,093	8,285	3,144
March	7,364	2,942	7,845	2,955	September.	7,506	3,236	8,436	3,374
April	7,252	3,001	7,970	2,939	October ..	7,600	3,308	8,220	3,064
May	7,278	2,963	8,158	2,994	November .	7,534	3,365	8,279	3,436
June	7,187	2,950	8,338	3,137	December .	7,298	3,124	7,732	2,985
AVERAGE NUMBER EMPLOYED DURING THE YEAR .						7,344	3,046	8,039	3,058

Table 14. - Number of Wage-earners in Month of Normal Employment with their Regular Hours of Work per Week and Average Weekly Earnings, 1938.

Number of Hours Worked per Week	Number of Employees		Number of Hours Worked per Week	Number of Employees	
	Male	Female		Male	Female
30 hours or less ...	131	99	51 - 54 hours	443	267
31 - 43 hours	2,265	790	55 hours	213	91
44 hours	362	328	56 - 64 hours	622	246
45 - 47 hours	1,314	331	65 hours and over ..	139	-
48 hours	1,039	691	Average hours per week	45.8	45.6
49 - 50 hours	928	320	Average weekly earnings	\$22.46	\$13.58

NOTE: - The above table does not include overtime.

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THE RUBBER INDUSTRY IN CANADA, 1938

Table 17. - Imports of Rubber and Rubber Goods by Articles for the Calendar Years 1937 and 1938.

Articles Imported	Unit of Measure	1 9 3 8		1 9 3 7	
		Quantity	Value \$	Quantity	Value \$
Balata, crude	Pound	22,417	4,643	26,173	9,237
Rubber and Gutta Percha, crude	"	57,576,293	8,151,070	81,008,666	15,682,781
Rubber, hard, in sheets, strips or rods	"	35,790	21,252	66,292	42,117
Rubber, hard, in tubes	"	-	-	-	1,004
Rubber, powdered, and rubber waste	Pound	5,073,600	86,409	4,054,000	85,023
Rubber, recovered	"	9,469,900	493,898	14,979,900	711,893
Rubber, substitute	"	324,900	66,411	479,300	110,765
Rubber thread, not covered ...	"	45,338	33,800	50,170	36,861
Boots and shoes, rubber	Pair	31,212	23,702	125,914	101,068
Boots, shoes and slippers with canvas uppers and rubber soles	"	115,537	36,785	126,388	36,142
Tires, bicycle (casings and tubes)	Number	142,217	68,296	116,959	48,516
Tires, pneumatic rubber tire casings, n.o.p.	"	21,522	242,559	24,149	265,284
Tires, inner tubes, n.o.p. ...	"	5,784	13,058	5,992	12,487
Tires, solid rubber, for automobiles and trucks	"	343	14,452	545	23,697
Tires, solid rubber, n.o.p. ...	-	-	12,498	-	17,267
Golf balls	Dozen	31,449	67,442	33,941	75,112
Heels, rubber	Pair	48,081	2,882	160,787	5,812
Comb blanks of hard rubber ...	-	-	8,258	-	9,572
Hose, rubber and rubberized ..	-	-	94,370	-	105,143
Belting, rubber	-	-	96,033	-	111,102
Cement, rubber	-	-	75,371	-	84,504
Bathing shoes, rubber	-	-	71,848	-	33,030
Clothing, rubber or water-proof, n.o.p.	-	-	41,969	-	37,381
Gloves, rubber	Doz.Pr.	4,908	13,336	4,205	11,420
Hot water bottles, rubber	-	-	11,843	-	25,642
Mats and matting, rubber	-	-	54,647	-	61,004
Packing, rubber	-	-	54,456	-	75,326
Liquid rubber compound	-	-	71,147	-	54,704
Raincoats, rubber or water-proof	Number	18,392	58,191	9,054	34,962
Manufactures of India rubber and Gutta Percha, n.o.p. ...	-	-	1,355,958	-	1,595,236
TOTAL IMPORTS	-	-	11,346,584	-	19,504,092

THE RUBBER INDUSTRY IN CANADA, 1938

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 18, by classes. The total value of rubber and rubber goods exported during the calendar year 1938 amounted to \$14,904,542. In 1937 they amounted to \$17,764,673, in 1936 to \$14,214,639, in 1935 to \$12,517,406, in 1934 to \$11,990,151 and in 1933 to \$7,644,436. The principal articles exported in 1938 were pneumatic tires (casings) \$7,232,942, boots and shoes, rubber, n.o.p. \$3,524,635 and canvas shoes with rubber soles \$945,776.

Table 18. - Exports of Canadian Produce by Classes for the Calendar Years, 1937 and 1938.

Articles Exported	Unit of Measure	1938		1937	
		Quantity	Value	Quantity	Value
			\$		\$
Heels of rubber	Pair	4,918,716	168,685	5,392,599	193,925
Soles of rubber	"	1,588,197	166,624	1,956,489	214,923
Waste rubber	Cwt.	82,212	76,855	110,233	146,342
Belting of rubber	Pound	2,264,263	618,745	2,981,905	819,353
Hose of rubber	-	-	246,595	-	215,319
Canvas shoes with rubber soles.	Pair	1,857,430	945,776	1,934,901	935,381
Boots and shoes of rubber, n.o.p.	"	4,250,481	3,524,635	5,004,265	4,577,098
Clothing, rubber and water-proofed	-	-	453,151	-	382,129
Pneumatic tires for vehicles, n.o.p. -					
Casings	Number	719,222	7,232,942	862,928	8,722,371
Inner tubes	"	508,791	671,610	589,240	755,328
Tires for vehicles, n.o.p.	"	151	110	257	350
All other manufactures of India-rubber	-	-	798,814	-	802,154
TOTAL VALUE OF EXPORTS ...	-	-	14,904,542	-	17,764,673

THE RUBBER INDUSTRY IN CANADA, 1938

List of Manufacturers of Rubber Goods Reporting in 1938

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>		
Acton Rubber Company Limited	Acton Vale	(1)
Adhesive Surfaces, Limited	4648 St. Catherine St. W., Westmount	(3)
American Wringer Company of Canada Limited	Farnham	(3)
British Rubber Co. of Canada Ltd., The	St. Laurent	(1)
British Tire Company of Canada Limited	78 Broadway, Lachine	(2), (3)
Cambridge Rubber Limited	St. Remi	(1)
Dominion Rubber Company Limited	St. Jerome	(1)
Dominion Rubber Company Limited	1665 Notre Dame St.E., Montreal	(3)
Francis, Perry & Company Limited	940 Inspector Street, Montreal	(3)
Holtite Rubber Company of Canada Ltd., The	Drummondville	(3)
Miner Rubber Company, Limited, The	Granby	(1), (3)
Panther Rubber Company Limited	Sherbrooke	(3)
Rubber Regenerating Company of Canada Ltd. (Dominion Rubber Company Limited)	1665 Notre Dame St.E., Montreal	(3)
Stedfast Rubber Company (Canada) Limited	400 Cowie Street, Granby	(3)
<u>ONTARIO</u>		
Bowes "Seal Fast" Company Limited	103 John St. North, Hamilton	(3)
Canada Matting Company	178 Ossington Avenue, Toronto	(3)
Canadian General Rubber Company Ltd., The	Galt	(3)
Canadian Rubber Products Company	347 Sorauren Avenue, Toronto	(3)
Central Rubber Company	400 Eastern Avenue, Toronto	(3)
Conlon Seamless Rubber Products	1524 Windsor Ave., Windsor	(3)
Dominion Rubber Company Limited	Kitchener	(1)
Dominion Rubber Company Limited	Kitchener	(2), (3)
Dunlop Tire & Rubber Goods Company Ltd. (Manufacturing tires for "The General Tire & Rubber Company of Canada Ltd.")	370 Queen Street East, Toronto	(2), (3)
Durable Mat Company (Eastern) Limited	Beechwood Drive, Todmorden	(3)
Even-Cure Limited	1244 Dufferin St., Toronto	(3)
Firestone Tire & Rubber Company of Canada, Limited	Burlington Street E., Hamilton	(2), (3)
Goodrich Rubber Company of Canada Limited, The B. F.	Kitchener	(1), (2), (3)
Goodyear Tire & Rubber Co. of Canada, Ltd.	Bowmanville	(3)
Goodyear Tire & Rubber Co. of Canada, Ltd.	New Toronto	(2), (3)
Gutta Percha and Rubber Limited	160 West Lodge Avenue, Toronto	(1), (2), (3)
Griffith, G. L., & Sons Limited, (Federal Rubber Products)	341 Erie Street, Stratford	(3)

THE RUBBER INDUSTRY IN CANADA, 1938

List of Manufacturers of Rubber Goods Reporting in 1938

<u>Name of Company</u>	<u>Address</u>	<u>Main Products</u>
<u>ONTARIO - Concluded</u>		
Jem Rubber Company Limited	3723 Dundas Street West, Toronto	(3)
Kaufman Rubber Company (Ontario) Limited	Kitchener	(1), (3)
Kelton Rubber Company	225 Jarvis Street, Toronto	(3)
Kleinert, I. B., Rubber Company	91-93 Wellington St. West, Toronto	(3)
National Rubber Company Limited	970 Queen Street West, Toronto	(3)
Northern Rubber Company Limited, The	Guelph	(1)
Novelty Rubber Company	150 Canada Street, Hamilton	(3)
Seiberling Rubber Company of Canada Limited	99 Paton Road, Toronto	(2), (3)
Smith, The Verner T., Company Limited	Rockwood	(3)
Sterling Rubber Company Limited	Guelph	(3)
Stokes, Joseph, Rubber Company Limited	Welland	(3)
Trafalgar Rubber Company Limited	Cooksville	(3)
Trafalgar Rubber Company Limited	Trafalgar	(3)
Viceroy Manufacturing Company Limited	345 Royce Avenue, Toronto	(3)
Western Rubber Company (Fred N. Stubbs)	Alton	(3)
Williams, S. C.	Woodbridge	(3)
Woodstock Rubber Company Limited, The	Woodstock	(1)

MANITOBA

Ban-Bro Mat Company	1036 Main Street, Winnipeg	(3)
Watson, Frank	263 Graham Avenue, Winnipeg	(3)

SASKATCHEWAN

Hodgson, W. H., & Company	430 High Street West, Moose Jaw	(3)
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BRITISH COLUMBIA

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

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