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CENSUS OF INDUSTRY

GENERAL MANUFACTURES BRANCH

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REPORT

ON THE

RUBBER INDUSTRY

IN

CANADA

1939



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DEPARTMENT OF TRADE AND COMMERCE
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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.

THE RUBBER INDUSTRY IN CANADA, 1939.

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 54 in 1939, 35 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 \$35,040,587 in land, buildings, machinery and equipment, and \$30,333,682 in working capital, or a total capital investment of \$65,374,269. They furnished employment to 14,160 persons who received \$15,603,774 in salaries and wages and produced goods valued at \$69,945,471 from materials costing \$28,814,003. This industry is practically confined to the Provinces of Ontario and Quebec. The plants in Ontario employed almost 82 per cent of the capital, over 70 per cent of the persons engaged in the industry and produced almost 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 1939 was considerably higher than that of the previous year. There were marked increases in the volume and selling value of tires and inner tubes produced, the value of production rising from \$28,786,804 in 1938 to \$31,498,051 in 1939. The output of footwear was also greater, the volume increasing from 17,646,495 pairs in 1938 to 21,057,890 pairs in 1939 and the value increasing from \$17,683,697 to \$22,192,408. 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., also increased its production from \$14,560,209 in 1938 to \$16,255,012 in 1939. For the rubber industry as a whole, there was thus an increase of \$8,914,761 in the value of production. There was also an increase of 1,281 in the number of persons employed, and an increase of \$1,541,986 in the amount of salaries and wages paid.

Of the three main classes of products manufactured in this industry in 1939 rubber tires and tubes accounted for \$31,498,051 or over 45 per cent of the total, rubber footwear for \$22,192,408 or almost 32 per cent, and other rubber goods for the balance of \$16,255,012 or 23 per cent. Compared with the previous year the output of rubber tires and tubes increased in value by \$2,711,247 or over 9 per cent, rubber footwear by \$4,508,711 or over 25 per cent, and other rubber goods by \$1,694,803 or over 11 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, 1939

Table 1(a). - Principal Statistics, by Years, 1920 to 1939.

Year	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
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	39,469,786
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	56,160,930	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	23,538,661	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

Table 1(b). - Principal Statistics, by Provinces, 1938 and 1939.

Year	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
<u>1938</u>						
Canada	53	64,854,448	12,879	14,061,788	24,301,221	61,030,710
Quebec	14	11,176,046	3,597	3,021,636	4,345,463	11,584,648
Ontario	34	53,636,642	9,252	11,017,428	19,940,090	49,402,686
Other Provinces	5	41,760	30	22,724	15,668	43,376
<u>1939</u>						
Canada	54	65,374,269	14,160	15,603,774	28,814,003	69,945,471
Quebec	14	11,800,078	4,141	3,589,964	5,456,164	14,123,918
Ontario	35	53,540,653	9,993	11,992,985	23,344,495	55,784,921
Other Provinces	5	33,538	26	20,825	13,344	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, 1939.

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

	1 9 3 7	1 9 3 8	1 9 3 9
	\$	\$	\$
Total selling value of all tires and tubes ..	36,166,784	28,786,804	31,498,051
Total selling value of all footwear	21,005,538	17,683,697	22,192,408
Total selling value of all other products ..	17,091,431	14,560,209	16,255,012
GRAND TOTAL OF ALL PRODUCTS	74,263,753	61,030,710	69,945,471

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	40,969,240	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
1939	See tables 4 and 5.					

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, 1939.

The production of tires and tubes is presented in Tables 4 and 5 for the year 1939. The total selling value of all tires and tubes produced during the year was \$31,498,051, an increase of \$2,711,247 over the previous year.

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

Kinds	1st	2nd	3rd	Total	Total selling value at factory
	Line	Line	Line		
	Number	Number	Number	Number	\$
Balloon, all 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	611,060	5,474,619
Balloon, all bus and truck .	233,864	16,050	563	250,477	5,649,343
High Pressure					
(a) 30 x 3½	397	7,300	36,397	44,094	171,532
(b) All other passenger ..	134	2,922	404	3,460	32,507
(c) All 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	693,037	3,038,895	27,888,571
Baby cab and toy tires and tiring		pounds		648,438	69,860
TOTAL VALUE OF TIRES AND TIRING					27,958,431

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

Kinds	1st	2nd	3rd	Total	Total selling value
	Line	Line	Line		
	Number	Number	Number	Number	\$
Passenger car	792,735	172,419	937,599	1,902,753	2,008,224
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	1,264,896	332,125	1,155,176	2,752,197	3,539,620

THE RUBBER INDUSTRY IN CANADA, 1939.

Footwear Production

The production of rubber footwear is shown by classes, quantity and selling value at the factory in Table 6 for the year 1939. Compared with 1938 there were increases of 3,411,395 in the number of pairs of all classes manufactured and \$4,508,711 in the value of production.

Table 6. - Rubber Footwear Production by Classes.

Kind	1938		1939	
	Quantity	Selling Value	Quantity	Selling Value
	Pairs	\$	Pairs	\$
Boots, all rubber				
(a) Knee, stormking and hip	3,029,490	4,043,686	3,817,790	5,821,808
(b) Lumbermen's and other	1,583,426	2,512,507	1,557,188	1,952,946
Boots, rubber bottoms and leather tops, Lumbermen's .	(1)	(1)	297,003	960,783
Bottoms for leather tops	-	-	222,067	295,745
Overshoes and goloshes (not including jersey storms)				
(a) Rubber, with fabric uppers	{ 3,163,288	4,373,732	2,827,480	4,661,704
(b) All rubber, lined and unlined			1,551,492	1,421,745
Light and heavy rubbers (including jersey storms) ...	{ 5,295,457	3,034,978	5,185,405	2,985,616
Bathing Shoes			165,776	68,638
Rubber-soled footwear, with canvas or other fabric tops				
(a) Balmorals (2)	715,147	603,974	783,483	560,901
(b) Oxfords (2)	3,859,687	3,114,820	4,347,620	2,832,611
Rubber-soled footwear, with leather tops				
(a) Balmorals	(2)	(2)	15,928	32,933
(b) Oxfords	(2)	(2)	286,499	596,726
Other footwear	-	-	159	252
TOTAL FOOTWEAR	17,646,495	17,683,697	21,057,890	22,192,408

- (1) Included under "lumbermen's rubber boots".
 (2) Includes "rubber-soled footwear, with leather tops".

THE RUBBER INDUSTRY IN CANADA, 1939.

Other Rubber Goods

The production of rubber goods other than tires, tubes and footwear is given in Table 7 for the year 1939. There was an increase in the total value of production as compared with 1938 amounting to \$1,694,803.

Table 7. - Other Products of the Rubber Goods Industry.

Articles Manufactured	Unit of Measure	1938		1939	
		Quantity	Selling Value at the Works	Quantity	Selling Value at the Works
			\$		\$
Rubber clothing (coats, capes, headwear, etc.)	Number	425,335	515,661	661,212	629,544
Rubberized or waterproofed fabrics and artificial leather	Yard	1,271,080	487,745	1,466,406	597,064
Rubber and composition soles	Pair	2,784,702	416,850	3,182,345	508,817
Rubber and composition half soles	"	835,775	97,242	1,054,841	114,165
Rubber and composition heels	"	16,107,304	722,044	19,054,122	952,775
Rubber soling and rubber slabs for heels, etc.	Pound	545,867	98,485	680,536	133,627
Rubber belting	"	4,966,959	1,925,126	5,699,831	1,940,655
Fan belts for automobiles	Number	875,972	259,293	912,730	292,133
Other rubber belts	Pound	140,515	66,724	131,587	77,157
Rubber hose	"	5,174,753	1,861,081	6,127,887	2,259,298
Rubber tubing	"	305,849	120,053	302,945	100,107
Rubber packing	"	451,019	99,798	700,248	135,845
Rubber supplies for plumbers, etc., including washers, gaskets, valves, plugs, etc.	-	-	193,701	-	195,928
Rubber thread, not covered	Pound	(1)	(1)	217,111	134,974
Rubber, hard, in sheets, strips and rods	"	(1)	(1)	25,101	22,076
Rubber and friction tape	"	961,789	294,601	1,045,788	327,055
Rubber covered rolls	Number	106,954	153,521	131,321	209,835
Rubber roll covering	Pound	322,569	120,331	356,540	143,939
Rubber coverings and linings for tanks, pipes, etc.	"	-	131,392	152,964	159,525
Other mechanical rubber goods, n.e.s.	"	-	223,689	264,704	129,271
Rubber floor mats and matting, including stair treads and stair nosing	"	4,406,371	627,118	4,199,390	611,228
Rubber tiling and flooring	"	107,273	28,864	164,698	48,329
Reclaimed rubber	"	(x)	(x)	(x)	(x)

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Table 7. - Other Products of the Rubber Goods Industry (Continued).

Articles Manufactured	Unit of Measure	1938		1939	
		Quantity	Selling Value at the works	Quantity	Selling Value at the works
Repair gums and fabrics	Pound	635,396	255,579	693,398	310,334
Other unvulcanized gums	"	361,882	97,074	472,415	116,127
Rubber cement (for sale as such)	Gallon	226,709	206,386	226,063	209,681
Air and steam bags	Number	6,449	49,185	5,533	44,795
Tire and tube patches	"	2,529,645	222,425	3,984,729	233,557
Tube repair kits	"	1,009,925	117,424	1,106,550	132,337
Rim strips	"	38,588	2,793	23,342	1,840
Tire flaps	"	270,739	123,320	333,261	154,771
Tire flap material	Pound	35,749	9,050	42,696	10,153
Battery containers and parts	Number	3,355,369	384,879	4,190,355	471,912
Rubber automobile supplies, not elsewhere specified	Pound	-	383,911	2,071,511	392,096
Druggists' and medical sundries -					
Hot water bottles	Dozen	45,272	189,567	51,367	209,833
Fountain syringes	"	2,266	11,408	2,723	14,174
Bulb syringes and bulbs	"	8,145	20,616	11,114	28,374
Combination attachment sets	"	5,635	18,146	5,763	16,421
Nipples and soothers	"	127,333	38,226	169,745	51,853
Ice caps and collars, etc.	"	2,970	18,674	4,174	25,750
Bath sprays	"	369	1,812	195	1,018
Air cushions, invalid rings, etc.	"	762	9,640	805	9,136
Rubber gloves	"	161,901	289,027	199,317	319,272
Rubberized gloves	"	9,333	20,571	10,570	30,917
Finger cots and pads	"	174,623	11,251	175,026	12,916
Rubber crib sheets, (finished and blanks)	(30,630	65,375
Rubber sheets, other	(25,896	59,752	818	6,335
Rubber sheeting (hospital, crib, etc.) ..	Yard	97,155	37,385	129,520	66,764
All other (bandages, trusses, pads, douches, air & sponge mattresses, etc.) ..	-	-	12,395	-	9,517
Rubber stationery goods, including erasers, rubber bands, etc.	Pound	708,383	252,726	615,154	280,679
Rubber jar rings	"	875,315	247,767	686,673	211,253
Rubber weatherstripping	"	110,603	41,992	154,841	57,009
Rubber and rubberized aprons	Dozen	19,558	38,745	15,429	38,980

THE RUBBER INDUSTRY IN CANADA, 1939.

Table 7. - Other Products of the Rubber Goods Industry (Concluded).

Articles Manufactured	Unit of Measure	1 9 3 8		1 9 3 9	
		Quantity	Selling Value at the works	Quantity	Selling Value at the works
Rubber baby pants (finished and blanks)...	Dozen	424,403	244,582	445,914	257,482
Dress shields	"	92,205	76,683	103,703	80,895
Cases, (travelling, tourist, etc.)	"	(x)	(x)	2,415	11,357
Bags, (cosmetic, etc.)	"	(x)	(x)	-	21,496
Curtains, shower bath	"	133	6,360	213	9,888
Sanitary goods, n.e.s., including hose sup- porters, girdles, brassieres, belts, bloomers, etc. "	"	624,415	111,555	641,156	108,023
Bathing caps	"	35,410	85,061	47,106	110,485
Rubber bathing suits	"	84	875	111	2,186
Rubber play balls, including bladders for footballs, etc.	"	187,342	78,433	182,929	85,910
Rubber tobacco pouches	"	5,644	4,344	5,040	5,789
Hockey pucks	"	15,167	6,266	17,089	8,803
Balloons, all shapes	"	(2,490,204	173,824	1,670,880	133,516
Rubber toys and novelties	")		5,991	3,602
Fly swatters	"	52,988	15,046	101,509	18,657
Gas masks and equipment	-	-	(x)	-	65,595
Table covers, bridge, etc.	Dozen	3,566	21,077	3,311	18,051
Moulded rubber goods, n.e.s.	Pound	1,295,150	606,948	1,396,277	657,867
Sponge & hard rubber mats, pads, cushions, etc.	Dozen	6,897	14,248	8,625	16,086
Soft and sponge rubber goods, n.e.s.	Pound	946,192	171,862	620,536	137,846
Hard rubber goods, n.e.s.	"	865,155	205,180	886,906	183,979
All other products, including waterproof clothing, reclaimed rubber, golf balls & golf ball centres, cotton aprons, child- ren's cotton dresses, etc.	-	-	1,028,820	-	1,126,588
TOTAL VALUE OF OTHER PRODUCTS	-	-	14,560,209	-	16,255,012

(1) Included under "other mechanical rubber goods, n.e.s."

(x) 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 1938 there was an increase of \$4,512,782 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 in 1939. The average price of raw rubber has decreased from forty-one cents per pound in 1927 to about seventeen cents per pound in 1938 and in 1939.

THE RUBBER INDUSTRY IN CANADA, 1939

Table 8. - Materials Used by Quantity and Cost Value.

Classes of Materials	Unit of Measure	1938		1939	
		Quantity	Cost Value at Factory \$	Quantity	Cost Value at Factory \$
Rubber, raw or crude, including gutta percha	Pound	60,699,271	10,077,064	70,818,411	11,885,991
Rubber reclaimed	"	14,087,105	790,654	16,838,039	926,136
Rubber, scrap	"	15,617,395	135,019	18,500,000	158,221
Rubber, liquid (latex)	Gallon	246,243	307,323	236,825	313,128
Rubber, all other	Pound	265,738	83,907	192,371	73,241
Tire fabrics	"	12,288,899	3,377,888	14,523,903	3,983,580
Hose fabrics	"	373,039	104,383	543,490	155,585
Belting duck	"	2,570,058	659,271	2,944,761	702,638
Shoe duck	Yard	909,610	332,347	1,191,363	434,292
Wool jersey	"	74,696	83,554	100,790	103,402
Fur	-	-	338,060	-	374,947
Cottons, cashmerettes, velvets, etc.	Yard	12,469,638	2,077,558	15,823,202	2,423,480
Cotton fibre	Pound	(x)	(x)	452,818	13,625
Felt	"	70,208	49,260	416,734	200,901
Leather	"	594,560	335,661	1,002,079	545,559
Imitation leather	"	9,487	3,660	16,710	11,913
Carbon black	"	12,021,118	459,060	14,110,043	527,700
Clays and earths	"	5,884,384	81,935	6,876,062	80,745
Mica, ground	"	129,112	6,039	188,229	9,423
Solvents (gasoline, benzol, etc.)	Gallon	1,229,976	181,233	1,423,326	199,796
Sulphur	Pound	2,230,158	49,262	2,538,477	58,977
Soapstone	"	356,252	2,652	368,869	2,689
Whiting	"	12,353,988	88,683	15,712,984	120,100
Zinc oxide	"	7,653,774	377,268	8,983,344	408,389
Talc	"	1,081,217	10,641	1,413,168	13,121
Barytes	"	(x)	(x)	631,512	10,483
Other chemicals, etc. .	-	-	1,408,081	-	1,729,389
Wire, bead, etc.	Pound	2,276,561	279,933	2,772,393	331,902
Hardware fittings	-	-	467,406	-	485,031
Shoe findings, buckles, eyelets, etc.	-	-	298,672	-	438,188
Paints, varnishes, etc.	Gallon	28,647	38,094	27,242	38,956
Rubber cement	"	(x)	(x)	203,173	40,605
Thread for sewing	-	-	32,240	-	44,771
Inserts, steel, etc. .	-	-	71,239	-	95,293
Containers and packaging material	-	-	835,215	-	969,794
All other materials ...	-	-	857,959	-	902,012
TOTAL COST OF MATERIALS USED	-	-	24,301,221	-	28,814,003

(x) Included under "all other".

THE RUBBER INDUSTRY IN CANADA, 1939.

Table 9. - Principal Statistics of the Rubber Industry, Grouped According to the Size of Establishments, 1938 and 1939.

Establishments having a production of:	Number of Establishments	Capital Invested	Total Number of Employees	Salaries and Wages	Cost of Materials Used	Value of Production
		\$		\$	\$	\$
<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)					
\$50,000 to \$100,000	1)	405,369	193	145,219	151,459	427,741
\$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	3,851,337	1,595	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
<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, 1939.

Table 10. - Capital Investment in Canada, 1929 to 1939.

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, 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
<u>1938</u>				
CANADA	38,102,399	14,609,027	12,143,022	64,854,448
Quebec	7,844,469	1,855,133	1,476,444	11,176,046
Ontario	30,233,664	12,743,148	10,659,830	53,636,642
Other Provinces .	24,266	10,746	6,748	41,760
<u>1939</u>				
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 11. - Employees, by sex and remuneration.

	Salaried Employees			Wage-earners (Monthly Averages)			Total Employees Salaries and Wages		
	Male No.	Fe- male No.	Total Salaries \$	Male No.	Fe- male No.	Total Wages \$	Male No.	Fe- male No.	Salaries and Wages \$
<u>1938</u>									
CANADA ...	1,859	630	4,376,987	7,344	3,046	9,684,801	9,203	3,676	14,061,788
Quebec	364	111	709,047	1,980	1,142	2,312,589	2,344	1,253	3,021,636
Ontario	1,490	516	3,660,357	5,343	1,898	7,357,071	6,838	2,414	11,017,428
Other Provinces	5	3	7,583	16	6	15,141	21	9	22,724
<u>1939</u>									
CANADA ...	1,963	677	4,524,766	8,004	3,516	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, 1939.

Table 12. - Monthly Employment of Wage-earners, by Sex.

Months	1 9 3 8			1 9 3 9		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January	7,459	2,796	10,255	7,343	3,272	10,615
February	7,384	2,859	10,243	7,255	3,251	10,506
March	7,364	2,942	10,306	7,667	3,415	11,082
April	7,252	3,001	10,253	7,791	3,473	11,264
May	7,278	2,963	10,241	8,010	3,501	11,511
June	7,187	2,950	10,137	8,043	3,403	11,446
July	6,871	2,867	9,738	7,815	3,071	10,886
August	7,359	3,093	10,452	8,194	3,659	11,853
September	7,506	3,236	10,742	8,526	3,759	12,285
October	7,600	3,308	10,908	8,589	3,930	12,519
November	7,534	3,365	10,899	8,570	3,989	12,559
December	7,298	3,124	10,422	8,212	3,451	11,663
MONTHLY AVERAGE ...	7,344	3,046	10,390	8,004	3,516	11,520

Table 13. - Number of Wage-earners in Month of Normal Employment with their Regular Hours of Work per Week and Average Weekly Earnings.

Number of Hours Worked per Week	Male		Female	
	1938	1939	1938	1939
30 hours or less	131	166	99	95
31 - 43 hours	2,265	1,765	790	767
44 hours	362	338	328	317
45 - 47 hours	1,314	1,126	331	560
48 hours	1,039	1,023	691	230
49 - 50 hours	928	1,071	320	643
51 - 54 hours	443	1,940	267	964
55 hours	213	365	91	59
56 - 64 hours	622	570	246	58
65 and over	139	58	-	-
Average hours per week	45.8	47.3	45.6	46.2
Average weekly earnings	\$ 22.46	22.39	13.58	13.84

THE RUBBER INDUSTRY IN CANADA, 1939.

Table 14. - Power Equipment.

Classes of Power	1938		1939	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and turbines	28	1,474	20	1,232
.....(in use)	8	1,359	8	1,284
.....(idle)	4	1,400	4	1,300
Hydraulic turbines or water wheels	3,946	63,504	4,206	66,269
Electric motors, operated by purchased power (in use)	153	1,709	250	3,307
.....(idle)	4,139	69,446	4,488	73,392
TOTAL POWER AVAILABLE FOR MANUFACTURING	120	845	120	845
Electric motors, operated by power generated by the establishment	4,219	66,058	4,576	70,421
TOTAL ELECTRIC MOTORS	69	13,640	61	11,015
Boiler installation	8	1,248	12	1,740
.....(in use)				
.....(idle)				

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Table 15. - Consumption of Fuel and Electricity.

Classes of Fuel	Unit of Measure	1938		1939	
		Quantity	Cost Value at Factory	Quantity	Cost Value at Factory
Bituminous coal	Short Ton	75,300	\$ 444,106	79,746	\$ 472,466
Anthracite coal	" "	185	2,195	13	170
Coke	" "	330	2,206	335	2,297
Gasoline	Imp. Gal.	57,202	8,373	559	103
Kerosene or coal oil	" "	494	82	535	86
Fuel oil	" "	23,202	1,677	25,433	1,990
Wood	Cord	793	2,534	1,130	2,487
Gas, manufactured	M cu. ft.	4,686	3,667	5,754	4,358
All other fuel (includes purchased steam) ..	-	-	53,348	-	62,570
TOTAL COST OF FUEL	-	-	518,188	-	546,527
Electricity purchased (including service charges)	Kw. H.	121,598,863	719,330	143,974,005	785,373
TOTAL COST OF FUEL AND ELECTRICITY	-	-	1,237,518	-	1,331,900

THE RUBBER INDUSTRY IN CANADA, 1939.

Table 16. - Imports of Rubber and Rubber Goods by Articles for the Calendar Years 1938 and 1939.

Articles Imported	Unit of Measure	1 9 3 8		1 9 3 9	
		Quantity	Value	Quantity	Value
Gutta-percha, unmanufactured	Pound	13,428	\$ 6,774	12,116	8,366
Balata, crude, unmanufactured	"	22,417	4,643	21,633	4,122
Rubber, crude, " (1)	"	57,562,865	8,144,296	70,816,852	11,357,055
Latex (dry weight)(from Apr.1/39)	"	(1)	(1)	1,999,768	447,537
Rubber, hard, in sheets, strips, rods or tubes	"	35,790	21,252	42,035	29,609
Rubber, powdered, and rubber waste	"	5,073,600	86,409	6,080,000	96,696
Rubber, recovered	"	9,469,900	493,898	14,932,300	761,342
Rubber, substitute	"	324,900	66,411	343,200	74,733
Rubber thread, not covered ..	"	45,338	33,800	64,359	49,697
Bathing shoes, rubber	Pair	71,848	15,089	61,802	13,180
Canvas shoes with rubber soles	"	115,537	36,785	133,177	47,682
Boots and shoes, rubber, n.o.p.	"	31,212	23,702	46,238	41,726
Tires, bicycle, pneumatic casings	Number	142,217	68,296	81,505	41,630
Tires, bicycle inner tubes, (from April 1, 1939)	"	(x)	(x)	37,061	8,328
Tires, pneumatic rubber tire casings, n.o.p.	"	21,522	242,559	29,769	474,821
Tires, inner tubes, n.o.p. ..	"	5,784	13,058	12,937	36,778
Tires, solid rubber, for automobiles and trucks	"	343	14,452	209	11,057
Tires, solid rubber, n.o.p. .	-	-	12,498	-	10,845
Golf balls	Dozen	31,449	67,442	36,695	78,196
Heels, rubber	Pair	48,081	2,882	77,334	5,013
Comb blanks of hard rubber ..	-	-	8,258	-	31,241
Hose, rubber and rubber lined	-	-	94,370	-	134,487
Belting, rubber	-	-	96,033	-	122,136
Cement, rubber	-	-	75,371	-	85,586
Raincoats, rubber or water-proofed	Number	18,392	58,191	18,603	61,507
Clothing, rubber or water-proofed, n.o.p.	-	-	41,969	-	38,912
Gloves, rubber	Doz.Pr.	4,908	13,336	8,274	23,630
Hot water bottles, rubber ...	-	-	11,843	-	11,208
Mats and matting, rubber	-	-	54,647	-	61,127
Packing, rubber	-	-	54,456	-	72,076
Liquid rubber compound	-	-	71,147	-	119,257
Manufactures of India rubber and Gutta Percha, n.o.p. ...	-	-	1,355,958	-	1,756,731
TOTAL IMPORTS	-	-	11,289,825	-	16,116,311

(1) Included "latex" prior to April 1, 1939.

(x) Included with "casings" prior to April 1, 1939.

THE RUBBER INDUSTRY IN CANADA, 1939.

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 17, by classes. The total value of rubber and rubber goods exported during the calendar year 1939 amounted to \$15,773,758. In 1938 they amounted to \$14,904,542, in 1937 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 1939 were pneumatic tires (casings) \$7,374,194, boots and shoes, rubber, n.o.p., \$4,016,247, and canvas shoes with rubber soles \$1,079,809.

Table 17. - Exports of Canadian Produce by Classes for the Calendar Years, 1938 and 1939.

Articles Exported	Unit of Measure	1938		1939	
		Quantity	Value	Quantity	Value
			\$		\$
Heels of rubber	Pair	4,918,716	168,685	3,768,515	124,820
Soles of rubber	"	1,588,197	166,624	1,320,349	132,309
Soling slabs of rubber (from Jan. 1, 1939)	Pound	-	-	215,758	32,114
Waste rubber	Cwt.	82,212	76,855	132,614	129,399
Belting of rubber	Pound	2,264,263	618,745	2,441,249	661,830
Hose of rubber	-	-	246,595	-	357,066
Canvas shoes with rubber soles	Pair	1,857,430	945,776	2,093,408	1,079,809
Boots and shoes of rubber, n.o.p.	"	4,250,481	3,524,635	4,337,117	4,016,247
Bathing caps of rubber (from Jan. 1, 1939)	-	-	-	-	6,414
Clothing, rubber and water- proofed	-	-	453,151	-	529,028
Tires for motor vehicles -					
Pneumatic tire casings	Number	719,222	7,232,942	708,423	7,374,194
Inner tubes	"	508,791	671,610	479,316	649,141
Tires for vehicles, n.o.p.	"	151	110	134	900
All other manufactures of India-rubber	-	-	798,814	-	680,487
TOTAL VALUE OF EXPORTS	-	-	14,904,542	-	15,773,758

THE RUBBER INDUSTRY IN CANADA, 1939.

List of Manufacturers of Rubber Goods Reporting in 1939.

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 Limited, The	Acton Vale	(1)
Adhesive Surfaces, Limited	4001 St. Antoine St. W., Montreal	(3)
American Wringer Company of Canada Limited	Farnham	(3)
British Rubber Co. of Canada Ltd., The	St. Laurent	(1)
British Tire Co. of Canada Limited, The	78 Broadway, Lachine	(1), (2)
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	2223 Harvard Ave., Montreal	(3)
Holtite Rubber Company of Canada Ltd.	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>		
Barringham Rubber Co. Ltd.	Oakville	(3)
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)
Canadian Collord Products, Ltd.	1524 Windsor Ave., Windsor	(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	Beechwood Drive, Todmorden	(3)
Even-Cure Limited	488½ Yonge 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.	521 King St. W., 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 Ave., Toronto	(1), (2), (3)
Griffith, G. L., & Sons Limited, (Federal Rubber Products)	541 Erie Street, Stratford	(3)

THE RUBBER INDUSTRY IN CANADA, 1939.

List of Manufacturers of Rubber Goods Reporting in 1939.

<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 Manufacturing 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)
Cook, R. W.	Rockwood	(3)
Sterling Rubber Company Limited	Guelph	(3)
Stokes, Joseph, Rubber Company Limited	Welland	(3)
Trafalgar Rubber Company Limited, The	Cooksville	(3)
Trafalgar Rubber Company Limited, The	Trafalgar	(3)
Viceroy Manufacturing Company Limited	345 Royce Avenue, Toronto	(3)
Western Rubber Company of Canada	Alton	(3)
Williams, S. C.	Woodbridge	(3)
Woodstock Rubber Company Limited	Woodstock	(1)

MANITOBA

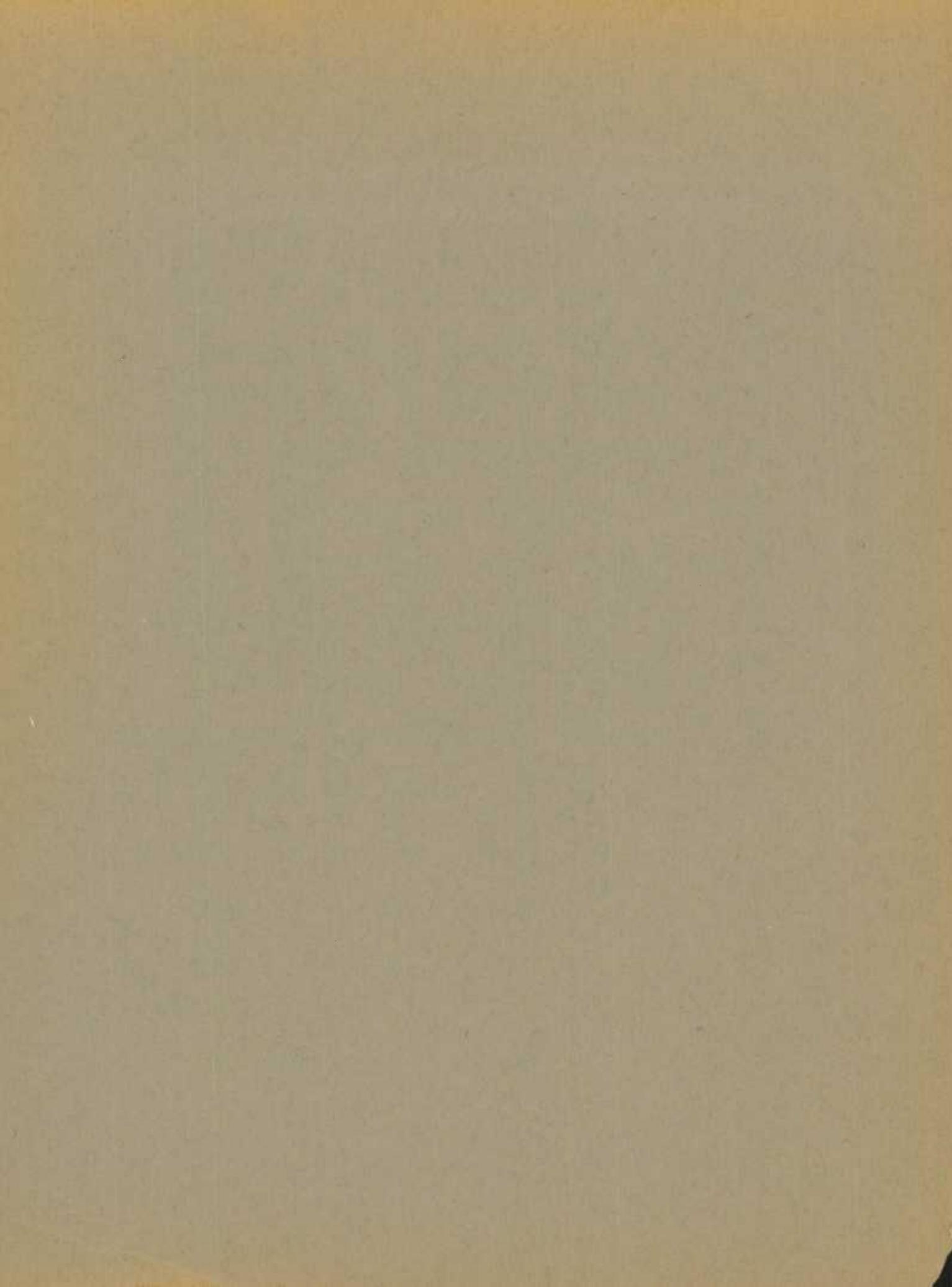
Ever-wear Mat Company	332 Alfred Street, Winnipeg	(3)
Watson, Frank	263 Graham Avenue, Winnipeg	(3)

SASKATCHEWAN

Hodgson, W. H. Company	430 High St. W., 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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