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DEPARTMENT OF TRADE AND COMMERCE

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CENSUS OF INDUSTRY

GENERAL MANUFACTURES BRANCH

REPORT

ON THE

RUBBER INDUSTRY

IN

CANADA

1941

OTTAWA
1942

Price 25 cents

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

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THE RUBBER INDUSTRY IN CANADA, 1941.

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 56 in 1941, 34 plants being located in Ontario, 17 in Quebec, 2 in Manitoba, 1 in Saskatchewan and 2 in British Columbia. These plants had capital investment of $71,985,540, they furnished employment to 17,191 persons who received $22,792,376 in salaries and wages and produced goods valued at $119,137,776 from materials costing $59,340,221. This industry is practically confined to the provinces of Ontario and Quebec. The plants in Ontario employed over 85 per cent of the capital, over 71 per cent of the persons engaged in the industry and produced almost 82 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 fabrics. Besides supplying the domestic market, the industry contributes materially to the export trade of Canada.

The value of production in 1941 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 $41,559,732 in 1940 to $64,030,626 in 1941. The volume of footwear decreased slightly from 17,242,347 pairs in 1940 to 17,062,961 pairs in 1941 but the value increased from $19,528,586 to $21,844,601. 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 $21,932,403 in 1940 to $33,262,549 in 1941. For the rubber industry as a whole, there was thus an increase of $36,117,055 in the value of production. There was also an increase of $21,112,176 in the cost of materials used and an increase of $5,957,462 in the amount of salaries and wages paid.

Of the three main classes of products manufactured in this industry in 1941, rubber tires and tubes accounted for $64,030,626 or almost 54 per cent of the total, rubber footwear for $21,844,601 or over 18 per cent and other rubber goods for the balance of $33,262,549 or almost 28 per cent. Compared with the previous year the output of rubber tires and tubes increased in value by $22,396,405 or over 53 per cent, rubber footwear increased by $2,316,015 or almost 12 per cent and other rubber goods increased by $11,404,635 or over 52 per cent.

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

THE RUBBER INDUSTRY IN CANADA, 1941.

Table 1. Principal Statistics.

Year	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	$	No.	$	$	$
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
1939	54	65,374,269	14,160	15,603,774	28,814,003	69,945,471
1940						
CANADA ...	52	70,528,546	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	12,928,217	31,635,944	67,051,598
Other Provinces	5	40,646	30	24,128	12,833	41,487
1941						
CANADA ...	56	71,985,540	17,191	22,792,376	59,340,321	119,137,776
Quebec	17	10,564,111	4,891	4,776,985	9,822,280	21,620,263
Ontario	34	61,369,597	12,263	17,986,110	49,498,981	97,458,412
Other Provinces	5	51,832	37	29,281	19,060	59,101

Table 2. - Principal Statistics of the Rubber Industry Grouped According to the Size of Establishments, 1941.

Establishments having a production of:-	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	$	No.	$	$	$
Under $5,000	5	14,682	11	5,684	4,158	11,705
$5,000 to under $25,000 ..	8	160,640	53	50,157	46,707	131,080
$25,000 " " $50,000 ..	6	137,539	66	67,870	95,699	228,967
$50,000 " " $100,000 ..	3	138,933	98	69,853	109,766	240,760
$100,000 " " $500,000 ..	8	1,810,362	601	587,287	605,152	1,666,494
$500,000 " " $1,000,000	8	2,781,934	1,015	1,023,801	2,810,362	5,430,537
$1,000,000 and over	18	66,941,450	15,347	20,987,724	55,668,477	111,428,233
TOTAL	56	71,985,540	17,191	22,792,376	59,340,321	119,137,776

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

THE RUBBER INDUSTRY IN CANADA, 1941.

TABLE 3. - Comparative Summary of Production, 1933-1941.

Year	Tires and Tubes Total Selling Value	Footwear Total Selling Value	Other Products Total Selling Value	Total Selling Value of All Products
	$	$	$	$
1933	17,991,057	14,814,062	8,706,437	41,511,556
1934	27,144,824	17,231,906	10,853,651	55,230,381
1935	27,341,939	16,001,738	12,605,893	55,949,570
1936	29,134,845	19,273,181	13,646,782	62,054,808
1937	36,166,784	21,005,538	17,091,431	74,263,753
1938	28,786,804	17,683,697	14,560,209	61,030,710
1939	31,498,051	22,192,408	16,255,012	69,945,471
1940	41,559,732	19,528,586	21,932,403	83,020,721
1941	64,030,626	21,844,601	33,262,549	119,137,776

Table 4. Summary of Tire Production, 1922-1938.

Year	Pneumatic Tires: Casings Number	Casings Selling Value	Inner Tubes Number	Inner Tubes Selling Value	Solid Tires Number	Solid Tires 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	859,952
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.	168,489x
1931	2,375,156	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 1939 to 1941, See Tables, 5 and 6

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

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

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Table 5. - Production of Tires, by Types, Quantities and Values, 1939-1941.

Kinds	1st Line	2nd Line	3rd Line	4th Line	Total	Total selling Value at factory
	Number	Number	Number	Number	Number	$
1. Balloon, passenger car -						
(a) Standard						
1939	678,675	191,167	528,059	-	1,397,901	9,040,611
1940	647,414	90,550	241,107	529,098	1,508,169	10,100,992
1941	567,479	152,815	183,949	519,726	1,423,969	10,501,862
(b) Heavy duty						
1939	406,256	99,661	105,143	-	611,060	5,474,619
1940	290,032	53,166	86,061	98,690	527,949	5,172,537
1941	298,622	70,683	81,976	105,940	557,221	5,621,792
2. Balloon, bus, truck, etc.-						
1939	233,864	16,050	563	-	250,477	5,649,343
1940	394,920	10,714	2,029	-	407,663	14,014,599
1941	962,017	24,264	13	-	986,294	36,096,311
3. High Pressure -						
(a) 30x3½						
1939	397	7,300	36,397	-	44,094	171,532
1940	48	3,158	7,552	24,773	35,531	138,358
1941	201	3,787	6,675	24,683	35,346	151,514
(b) Other passenger						
1939	134	2,922	404	-	3,460	32,507
1940	58	398	1,775	-	2,231	17,104
1941	19	424	911	-	1,354	11,936
(c) Bus and truck						
1939	262,964	44,319	4,780	-	312,063	6,823,512
1940	206,346	30,086	21,105	-	257,537	6,412,446
1941	30,425	15,771	4,322	-	50,518	1,503,306
4. Metric -						
1939	677	138	386	-	1,201	8,352
1940	2,747	63	-	-	2,810	18,427
1941	1,372	-	-	-	1,372	8,916
5. Motorcycle -						
1939	9,437	-	-	-	9,437	40,026
1940	10,059	-	-	-	10,059	48,176
1941	13,155	-	-	-	13,155	76,611
6. Bicycle -						
1939	70,633	296,422	17,066	-	383,121	266,552
1940	71,079	140,315	132,986	103,094	447,474	304,323
1941	116,968	211,257	224,691	63,317	616,233	443,558
7. Implement and tractor -						
1939	22,670	-	90	-	22,760	355,208
1940	59,460	-	-	-	59,460	877,414
1941	84,161	-	-	-	84,161	1,823,305
8. Horse-drawn vehicle -						
(a) Pneumatic						
1939	1,568	-	149	-	1,717	10,374
1940	827	-	-	585	1,412	8,808
1941	1,019	-	47	124	1,190	4,901
(b) Solid						
1939	300	-	-	-	300	900
1940	-	-	250	-	250	750
1941	-	-	-	-	-	-
9. Automotive vehicle, Solid -						
1939	760	-	-	-	760	12,637
1940	1,433	-	-	-	1,433	24,018
1941	2,032	-	-	-	2,032	31,454
10. Industrial -						
1939	544	-	-	-	544	2,190
1940	2,661	2,420	-	-	5,031	16,070
1941	7,598	1,736	-	-	9,334	33,450
11. Aeroplane -						
1939	-	-	-	-	-	-
1940	6,054	-	-	-	6,054	134,032
1941	48,939	-	-	-	48,939	1,027,037
TOTAL TIRES -						
1939	1,688,879	656,979	693,037	-	3,038,895	27,888,571
1940	1,696,158	330,870	492,865	756,240	3,275,113	37,288,054
1941	2,134,007	480,737	502,584	713,790	3,831,118	57,335,953

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Table 6. - Production of Tubes, by Types, Quantities and Values, 1939-1941.

Kinds	1st Line	2nd Line	3rd Line	Total	Total selling Value
	Number	Number	Number	Number	$
1. Passenger car -					
1939	792,735	172,419	937,599	1,902,753	2,008,224
1940	810,423	177,369	884,292	1,872,084	2,189,655
1941	773,666	217,936	958,702	1,950,304	2,531,314
2. Bus and truck -					
1939	264,571	158,769	401	423,741	1,369,026
1940	496,306	45,481	5,675	547,462	1,709,940
1941	894,344	24,856	17,202	936,402	3,383,314
3. Implement and tractor -					
1939	21,655	-	-	21,655	55,896
1940	57,324	-	-	57,324	166,956
1941	77,857	-	-	77,857	290,517
4. Bicycle -					
1939	178,375	937	217,176	396,488	95,707
1940	229,194	124,728	115,321	469,243	157,083
1941	297,812	128,834	131,989	558,635	192,401
5. Aeroplane -					
1939	-	-	-	-	-
1940	9,931	-	-	9,931	41,337
1941	57,744	-	-	57,744	279,547
6. All other -					
1939	7,560	-	-	7,560	10,767
1940	4,902	-	-	4,902	6,707
1941	14,068	-	-	14,068	17,580
TOTAL TUBES -					
1939	1,264,896	332,125	1,155,176	2,752,197	3,539,620
1940	1,608,080	347,578	1,005,288	2,960,946	4,271,678
1941	2,115,491	371,626	1,107,893	3,595,010	6,694,673

THE RUBBER INDUSTRY IN CANADA, 1941.

Footwear Production

The production of rubber footwear is shown by classes, quantity and selling value at the factory in Table 7 for the years 1940 and 1941. Compared with 1940 there was a decrease of 180,386 in the number of pairs of all classes manufactured but an increase of $2,316,015 in the value of production.

Table 7. - Rubber Footwear Production by Classes

Kind	1940		1941	
	Quantity	Selling Value	Quantity	Selling Value
	Pairs	$	Pairs	$
Boots, all rubber				
(a) Knee, stormking and hip	2,800,892	4,813,323	2,419,803	4,128,360
(b) Lumbermen's, etc.,	1,122,160	1,475,434	1,281,812	2,073,719
Boots, rubber bottoms and leather tops, Lumbermen's.	380,582	1,301,430	229,955	985,260
Bottoms for leather tops ..	116,677	158,467	124,001	199,636
Overshoes and galoshes (not including jersey storms)				
(a) Rubber, with fabric uppers	2,633,927	4,479,295	2,958,924	6,055,597
(b) All rubber, lined and unlined	985,453	1,029,128	1,286,639	1,600,930
Light and heavy rubbers (including jersey storms) ...	4,313,100	2,461,465	4,494,180	3,031,552
Bathing Shoes	62,654	25,322	x	x
Rubber-soled footwear, with canvas or other fabric tops.				
(a) Balmorals	878,754	659,188	681,786	551,139
(b) Oxfords	3,592,757	2,556,208	3,090,127	2,315,397
Rubber-soled footwear, with leather tops				
(a) Balmorals	19,759	47,271	26,913	69,909
(b) Oxfords	335,220	520,978	416,245	809,784
Other footwear	1,412	1,077	52,576	23,318
TOTAL FOOTWEAR	17,243,347	19,528,586	17,062,961	21,844,601

x Included under "Other footwear".

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Table 8. - Other Products of the Rubber Goods Industry.

Articles Manufactured	Unit of Measure	1940 Quantity	1940 Selling Value at the Works	1941 Quantity	1941 Selling Value at the Works
			$		$
Rubber, oiled and waterproofed clothing	No.	-	836,738	-	3,380,615
Rubberized or waterproofed fabrics	Yd.	1,387,687	712,290	3,175,823	1,361,804
Rubber and composition soles	Pr.	1,713,180	307,004	1,833,758	529,659
Rubber and composition half-soles	"	752,080	92,70[illegible]	746,727	116,736
Rubber and composition heels	"	15,099,001	792,704	16,740,876	1,048,396
Rubber soling and rubber slabs for heels, etc	Lb.	911,955	275,362	1,358,561	529,836
Rubber belting	"	5,627,865	2,464,346	7,059,914	3,291,496
Fan belts for automobiles	No.	1,089,411	362,997	1,309,696	387,719
Other rubber belts	Lb.	213,054	111,806	267,947	212,341
Rubber hose	"	9,211,886	3,905,248	11,757,457	5,386,341
Rubber tubing	"	242,911	116,615	376,408	237,699
Rubber packing	"	685,835	137,877	1,364,256	293,904
Rubber supplies for plumbers, etc. (washers, plugs, etc.)	-	-	219,432	-	380,055
Rubber thread, covered and not covered	Lb.	503,601	582,400	684,853	766,300
Rubber, hard, in sheets, strips and rods	"	32,192	25,277	86,814	64,529
Rubber and friction tape	"	1,355,207	445,404	1,949,537	656,861
Rubber covered rolls	No.	202,154	328,547	197,696	351,828
Rubber roll covering	Lb.	304,115	144,758	266,202	145,512
Rubber coverings and linings for tanks, pipes, etc.	"	216,861	205,319	455,329	458,449
Rubber floor mats, matting, stair treads, etc	"	4,615,299	733,894	4,581,366	740,453
Rubber tiling and flooring	"	80,802	25,566	185,584	71,682
Rubber tires and tiring, for baby carriages, toys, etc.	"	623,645	74,489	907,842	104,076
Repair gums and fabrics	Lb.	828,266	358,945	881,896	396,908
Other unvulcanized gums	"	718,289	180,053	694,581	205,918
Rubber cement (for sale as such)	Gal.	228,328	267,361	268,825	312,521
Air and steam bags	No.	5,232	36,363	5,821	44,280
Tire and tube patches	"	5,524,320	206,958	3,676,151	249,524
Tube repair kits	"	1,043,889	127,765	790,988	99,350
Tire flaps	"	239,312	108,971	344,083	193,298
Tire flap material	Lb.	45,046	12,538	25,311	6,429
Battery containers and parts	No.	4,522,633	571,287	5,702,787	752,992
Rubber automotive and aeroplane parts	Lb.	2,894,537	580,437	4,099,607	860,558
Druggists' and medical sundries -					
Hot water bottles	Doz.	42,638	163,282	60,225	274,888
Fountain syringes	"	2,776	14,558	3,237	18,691
Bulb syringes and bulbs	"	12,021	31,091	15,569	41,395
Combination attachment sets	"	6,502	19,431	8,022	27,587
Nipples and soothers	"	261,318	62,116	380,767	94,781
Ice caps and collars, etc.	"	4,381	23,211	5,314	26,496
Air cushions, invalid rings, etc.	"	993	11,420	1,118	14,471
Rubber gloves	"	150,297	298,112	224,905	530,635
Rubberized gloves	"	14,522	46,757	21,288	76,149
Finger cots and pads	"	154,896	13,672	206,814	19,038
Rubber crib sheets, (finished and blanks)	"	35,822	70,215	44,411	115,962
Rubber sheets, other	"	33,098	836,332	911	19,395
Rubber sheeting (hospital, crib, etc.)	Yd.	123,139	62,736	169,900	93,893
All other (bandages, trusses and pads, air and sponge mattresses, etc.)	-	-	26,725	-	42,743
Rubber stationery goods (erasers, rubber bands, etc.)	Lb.	450,031	245,307	465,458	268,829
Rubber jar rings	"	862,302	252,583	862,203	277,217
Rubber weatherstripping	"	186,659	69,224	326,915	115,496
Rubber and rubberized aprons	Doz.	6,980	26,014	11,883	46,113
Rubber baby pants (finished and blanks)	"	155,401	122,807	121,142	142,530
Dress shields	"	102,339	51,062	122,462	67,661
Sanitary goods, n.e.s., including hose supporters, girdles, brassieres, belts, bloomers, etc.	"	713,209	130,405	879,658	160,480
Bathing caps, shower caps, etc.	"	44,486	96,927	43,671	85,453
Rubber play balls, including bladders for footballs	"	228,626	127,615	307,517	187,326
Rubber toys, novelties and balloons	"	-	98,787	-	138,479
Fly swatters	"	44,917	20,600	28,438	24,740
Gas masks	"	34,740	319,377	(177,320	519,811
Gas mask equipment and parts	"	50,254	63,895	(	
Moulded rubber goods, n.e.s.	Lb.	3,051,317	1,140,528	3,751,022	1,505,905
Sponge & hard rubber mats, pads, cushions, etc	Doz.	22,212	26,048	58,973	63,202
Soft and sponge rubber goods, n.e.s.	Lb.	1,440,807	673,061	2,680,700	1,463,653
Hard rubber goods, n.e.s.	"	789,153	225,447	1,277,674	298,867
All other products (including reclaimed rubber, golf balls & golf ball centres, moulded plastics, etc. etc.)	-	-	1,212,609	-	2,872,604
TOTAL VALUE OF OTHER PRODUCTS	-	-	21,932,403	-	33,262,549

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 annual reports on "The Manufacturing Industries of Canada."

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Table 9. - Materials Used by Quantity and Cost Value.

Classes of Materials	Unit of Measure	1940 Quantity	1940 Cost Value at Factory $	1941 Quantity	1941 Cost Value at Factory $
Rubber, raw or crude	Lb.	82,949,386	17,553,598	119,252,531	26,786,997
Rubber, reclaimed ...	"	18,901,110	1,084,528	21,195,419	1,414,012
Rubber, scrap	"	17,264,000	188,566	24,152,000	271,382
Rubber, liquid (Latex)	Gal.	344,011	585,082	684,375	1,313,963
Rubber, all other ..	Lb.	84,659	30,636	368,007	89,287
Tire fabrics	"	16,984,572	5,171,405	24,779,071	8,903,699
Hose fabrics	"	733,929	312,607	897,975	417,489
Belting duck	"	3,005,266	795,708	3,849,134	1,033,365
Shoe duck	Yd.	1,008,736	470,492	907,467	437,749
Wool jersey.....	"	102,148	115,576	109,646	142,542
Fur	"	1,484,543	415,911	1,608,421	568,389
Rubber Sheetings ...	"	450,112	88,655	58,395	28,192
Cottons, cashmeretes, velvets, etc..	"	13,891,498	2,524,093	20,262,989	4,285,108
Cotton fibre	Lb.	460,414	15,177	1,162,094	66,811
Felt	"	224,071	240,677	608,910	212,322
Leather	"	889,797	513,239	1,593,681	628,918
Carbon black	"	16,545,888	746,240	25,989,901	1,348,303
Clays and earths ...	"	7,172,900	90,867	8,117,810	101,441
Mica, ground	"	200,199	10,984	309,942	15,565
Solvents (gasoline, benzol, etc.)	Gal.	1,467,992	210,013	1,767,165	305,291
Sulphur	Lb.	2,984,186	75,219	4,133,845	106,411
Soapstone	"	535,457	4,039	609,610	4,527
Whiting	"	13,633,936	106,119	15,238,048	126,312
Zinc oxide	"	10,286,326	605,604	13,464,550	821,025
Talc	"	1,709,818	17,587	2,186,153	21,194
Barytes	"	1,291,692	36,659	1,660,604	47,423
Accelerators	"	(x)	(x)	678,630	365,911
Other chemicals, etc.	-	-	2,238,982	-	2,964,297
Wire, bead, etc. ...	Lb.	3,297,320	396,112	4,847,730	602,806
Hardware fittings ..	-	-	824,543	-	1,074,681
Shoe findings, buckles, eyelets, etc..	-	-	469,232	-	671,791
Paints, varnishes, etc.	Gal.	27,629	43,264	31,130	62,348
Rubber cement	"	248,354	53,775	188,071	56,146
Thread for sewing ..	-	-	47,737	-	67,039
Inserts, steel	-	-	147,268	-	358,551
Firehose jackets ...	-	-	(x)	-	871,971
Containers and packaging material	-	-	861,464	-	1,104,827
All other materials.	-	-	1,236,497	-	1,642,236
TOTAL COST OF MATERIALS USED	-	-	38,238,145	-	59,340,321

(x) Included under "all other".

THE RUBBER INDUSTRY IN CANADA, 1941.

Table 10. - Capital Investment

Year	Fixed Capital: Present Value of land, buildings, fixtures machinery, tools, etc.	Working Capital: Inventory value of raw materials, stocks in process, fuel and supplies on hand	Working Capital: Inventory value of finished products on hand	Working Capital: Cash, bills and accounts receivable, prepaid expenses, 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	42,939,533	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
CANADA, 1939	35,040,587	17,629,011		12,704,671	65,374,269
1940					
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
1941					
CANADA	28,078,456 x	16,090,442	11,552,555	16,264,087	71,985,540
Quebec	4,991,498	2,921,944	1,401,071	2,149,598	10,564,111
Ontario	23,953,197	13,163,358	10,148,030	14,105,012	61,369,597
Other Provinces ..	33,761	5,140	3,454	9,477	51,832

x The decrease in fixed capital in 1941 is due to adjustments in the depreciation accounts by several firms.

Table 11. - Employees, by sex and remuneration

	Salaried Employees: Male	Salaried Employees: Female	Salaried Employees: Total Salaries	Wage-earners (Monthly Averages): Male	Wage-earners (Monthly Averages): Female	Wage-earners (Monthly Averages): Total Wages	Total Employees Salaries and Wages: Male	Total Employees Salaries and Wages: Female	Total Employees Salaries and Wages: Salaries and Wages
	No.	No.	$	No.	No.	$	No.	No.	$
1940									
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
1941									
CANADA	1,994	910	5,451,172	10,048	4,239	17,341,204	12,042	5,149	22,792,376
Quebec	385	179	885,957	2,462	1,865	3,891,028	2,847	2,044	4,776,985
Ontario	1,601	729	4,555,384	7,566	2,367	13,430,726	9,167	3,096	17,986,110
Other Provinces	8	2	9,831	20	7	19,450	28	9	29,281

THE RUBBER INDUSTRY IN CANADA, 1941.

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

Months	1940			1941		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January	8,183	3,026	11,209	9,129	3,434	12,563
February	8,214	3,104	11,318	9,524	3,723	13,247
March	8,243	3,191	11,434	9,683	3,780	13,463
April	8,090	3,148	11,238	9,882	3,981	13,863
May	7,938	3,117	11,055	10,029	4,049	14,078
June	8,251	3,062	11,313	9,947	4,131	14,078
July	8,285	2,846	11,131	10,134	4,369	14,503
August	8,858	3,410	12,268	10,437	4,582	15,019
September	8,859	3,643	12,502	10,670	4,620	15,290
October	9,028	3,665	12,693	10,702	4,883	15,585
November	9,068	3,594	12,662	10,600	4,944	15,544
December	9,107	3,506	12,613	9,835	4,353	14,188
MONTHLY AVERAGE	8,514	3,276	11,790	10,048	4,239	14,287

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

Number of Hours Worked per Week	Male		Female	
	1940	1941	1940	1941
30 hours or less	263	363	172	229
31 - 43 hours	1,826	1,402	861	697
44 hours	371	601	274	379
45 - 47 hours	1,223	1,043	874	754
48 hours	1,295	1,703	308	348
49 - 50 hours	1,118	1,211	610	584
51 - 54 hours	1,647	1,369	526	813
55 hours	602	976	157	629
56 - 64 hours	1,211	1,901	119	544
65 and over	258	655	2	105
Average hours per week	48.3	50.1	45.3	48.4
Average weekly earnings	$24.87	$28.52	$13.81	$16.06

THE RUBBER INDUSTRY IN CANADA, 1941.

Table 14. - Power Equipment.

Classes of Power	1940 Number of Units	1940 Manufacturers' Rating of Horse-power Capacity	1941 Number of Units	1941 Manufacturers' Rating of Horse-power Capacity
Steam engines and turbines .. (in use	26	5,882	25	5,769
(in idle	7	1,037	3	177
Hydraulic turbines or water wheels, ...(in use	4	1,300	4	1,300
Electric motors, operated by purchased power. x(in use	5,796	65,838	6,357	68,784
(idle	243	2,934	275	2,347
TOTAL POWER AVAILABLE FOR MANUFACTURING	6,076	76,991	6,664	78,377
Electric motors, operated by power generated by the establishment	120	845	122	1,030
TOTAL ELECTRIC MOTORS	6,159	69,617	6,754	72,161
Boiler installation (in use	58	10,954	61	12,651
(idle	11	1,826	11	1,494

x Includes about 1,500 motors having only about 500 horse-power.

Table 15. - Consumption of Fuel and Electricity.

Classes of Fuel	Unit of Measure	1940 Quantity	1940 Cost Value at Factory	1941 Quantity	1941 Cost Value at Factory
			$		$
Bituminous coal	Short ton	92,877	569,161	113,034	753,299
Anthracite coal	" "	21	259	9	131
Coke	" "	355	2,654	345	2,553
Gasoline[x]	Imp. Gal.	14,692	3,695	17,599	5,136
Kerosene or coal oil	" "	793	128	1,035	181
Fuel oil	" "	36,724	2,843	445,696	17,417
Wood	Cord	529	1,263	61	345
Gas, manufactured	M cu. ft.	8,147	7,001	10,402	8,645
Gas, natural	" " "	218	93	-	-
All other fuel (includes purchased steam)	-	-	-	-	22,058
TOTAL COST OF FUEL	-	-	587,097	-	809,765
Electricity purchased (including service charges) ..	Kw.H.	142,850,065	801,541	154,671,089	898,952
TOTAL COST OF FUEL AND ELECTRICITY	-	-	1,388,638	-	1,708,717

x Includes gasoline used in cars and trucks.

THE RUBBER INDUSTRY IN CANADA, 1941

List of Manufacturers of Rubber Goods Reporting in 1941.

INDEX TO MAIN PRODUCTS

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

Name of Company	Address	Main Products
QUEBEC		
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. E., 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)
Girard & Fils	Montmorency	(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	(3)
St. Lawrence Rubber Co. Ltd.,	Farnham	(3)
Tillotson Rubber Co. Reg'd.	St. John's	(3)
Stedfast Rubber Company (Canada) Limited	400 Cowie St., Granby	(3)
ONTARIO		
Barringham Rubber Co. Ltd.	Oakville	(3)
Bowes "Seal Fast" Company Limited	193 John St.N., Hamilton	(3)
Canada Matting Company	178 Ossington Ave., Toronto	(3)
The Canadian General Rubber Company Ltd.,	Galt	(3)
Canadian Rubber Products Company Ltd.	347 Sorauren Ave., Toronto	(3)
Central Rubber Company	400 Eastern Ave., Toronto	(3)
Canadian Collord Products, Ltd.	1524 Windsor Ave., Toronto	(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 St. East, Toronto	(2), (3)
Durable Mat Company (Eastern) Limited	Beaverton	(3)
Firestone Tire & Rubber Company of Canada, Limited	Burlington St.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)

THE RUBBER INDUSTRY IN CANADA, 1941

List of Manufacturers of Rubber Goods Reporting in 1941.

Name of Company	Address	Main Products
ONTARIO - Concluded		
Gutta Percha and Rubber Limited	160 West Lodge Ave., Toronto	(1),(2),(3)
C.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)
I.B. Kleinert Rubber Company	91-93 Wellington St. West, Toronto	(3)
Modern Rubber Company Limited	41 Ouellette Ave., Windsor	(3)
National Rubber Company Limited	970 Queen St. West, Toronto	(3)
The Northern Rubber Company Limited	Guelph	(1)
Novelty Rubber Company	150 Canada Street, Hamilton	(3)
Ruflex Threads, Limited	96 Core St., 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	Trafalgar and Cooksville	(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	33A Smith St., Winnipeg	(3)
SASKATCHEWAN		
W. H. Hodgson and Company	430 High St. W., Moose Jaw	(3)
BRITISH COLUMBIA		
A.C. Rubber Manufacturing Company Ltd.	2311 Cambie St., Vancouver	(3)
Durable Mat Company (Canada) Limited	146 Superior Street, Vancouver	(3)

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