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DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

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GENERAL MANUFACTURING STATISTICS

MONTHLY REPORT

ON

CONSUMPTION,

PRODUCTION AND INVENTORIES

OF RUBBER

SEPTEMBER, 1948



OTTAWA
1948

Price 25 cents

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

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CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

SEPTEMBER, 1948

The statistics made available monthly in this report are considered only to represent clearly and accurately (a) the new domestic production of synthetic and reclaim rubber, and the inventories of firms reporting this production, and (b) the total consumption of all types of rubber, natural, synthetic and reclaim, whether foreign or domestic, by broad end product use groupings, together with inventories, receipts and sales of rubber by consuming manufacturers in all industries. The additions of the two inventories gives the total stocks held by industry.

It is regretted that comparable export-import data cannot be secured each month, and that, therefore, the total available supply is not accurately known. However, the data given in (b) do ultimately account for the total consumption of rubber in Canada, and should be capable of being correlated with new production and export-import data (as compiled by the External Trade Branch, D.B.S.) over a period of months.

Reversing the trend of recent months, consumption of rubber in September as compared with August, increased as follows: natural 1,775,024 pounds, synthetic 691,913 pounds, and reclaim 815,422 pounds, the total increase being 3,282,359 pounds. Considering the situation in terms of end product use, it may be noted that the consumption of all rubber in the production of tires and tubes, including tire repair material, increased by 2,388,955 pounds, consumption in rubber footwear increased by 185,004 pounds, in wire and cable by 49,392 pounds, and in other products by 659,008 pounds, making the total increase of 3,282,359 pounds mentioned above.

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section A. Canadian Rubber Balance Statement

This section includes summary data on natural, synthetic and reclaim rubber, showing stocks, domestic production and domestic consumption. For more detailed data of consumption by specific types and by end products classifications, wherever possible, see Section B, Natural Rubber, Section C, Synthetic Rubber; and Section D, Reclaim Rubber.

Table 1. - Summary Statement of all Rubber Stocks, Domestic Production, Domestic Consumption showing Monthly Averages, 1939 - 1947, and Actual Monthly Totals, January 1947-September 1948.

Weights are given in Long Tons (2,240 pounds)

Period	Stocks, End of Period			Domestic Production		Consumption		
	Natural	Syn- thetic	Re- claim	Syn- thetic	Re- claim	Natural	Syn- thetic	Re- claim
Monthly Averages								
1939	n.a.	n.a.	n.a.	-	-	2,635	-	626
1940	n.a.	n.a.	n.a.	-	-	3,083	-	703
1941	n.a.	n.a.	n.a.	-	-	4,436	-	789
1942	n.a.	n.a.	4,560	-	-	3,512	-	1,042
1943	8,165	2,292	4,822	210	392	2,434	307	1,166
1944	5,399	3,641	3,516	2,902	263	799	2,061	1,052
1945	3,703	4,107	2,219	3,810	276	491	2,995	1,276
1946	3,662	5,592	2,786	4,248	331	792	2,468	1,178
1947	6,992	4,333	2,672	3,533	344	2,690	2,432	1,360
1947 - Jan.	3,729	4,316	3,195	4,408	329	2,153	3,195	1,533
Feb.	2,876	4,551	3,114	4,024	330	2,224	2,823	1,463
Mar.	4,473	5,344	2,872	4,466	360	2,440	2,876	1,570
Apr.	7,187	5,473	2,931	4,628	360	2,476	2,942	1,395
May	9,992	4,953	2,772	3,467	359	2,643	2,889	1,438
June	10,108	4,488	2,599	3,392	334	2,627	2,540	1,299
July	10,045	3,733	2,629	3,480	225	2,433	2,059	1,120
Aug.	9,679	4,269	2,680	3,533	298	2,192	1,719	983
Sept.	8,129	3,349	2,451	1,944	337	3,226	2,113	1,393
Oct.	7,167	3,475	2,440	3,034	424	3,330	2,080	1,397
Nov.	5,260	3,846	2,093	2,953	372	3,216	1,962	1,417
Dec.	5,264	4,200	2,282	3,064	397	3,314	1,980	1,314
1948 - Jan.	5,739	3,921	2,246	3,648	371	3,458	2,081	1,339
Feb.	5,704	4,062	2,162	3,388	388	3,474	1,886	1,216
Mar.	5,585	3,862	2,041	3,560	427	3,882	1,797	1,359
Apr.	5,833	4,074	2,181	2,787	391	3,694	1,865	1,172
May	5,400	5,337	2,338	3,647	382	3,328	1,588	1,020
June	5,177	5,252	2,185	2,841	368	3,762	1,771	1,203
July	5,478	5,323	1,916	2,750	210	2,909	1,402	951
August	6,821	4,972	2,070	2,720	359	2,571	1,301	752
September ...	6,634	4,869	1,820	4,146	344	3,363	1,611	1,116

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 2(a). - NEW SUPPLY. Statement of Manufacturers producing Synthetic and Reclaim Rubber.
(Weight in Long Tons)

Type of Rubber	Inventory September 1, 1948	Production	Inventory September 30, 1948
<u>Natural Rubber -</u>			
Crude Rubber	-	-	-
Natural Latex	39	-	51
Total Natural Rubber	39	-	51
<u>Synthetic Rubber -</u>			
Buna-S, Solid	2,069	2,930	2,922
Buna-S, Latex	37	156	42
Buna-N, Solid	27	26	10
Butyl, Solid	1,207	1,034	509
Neoprene	40	-	32
All other	-	-	-
Total Synthetic Rubber	3,380	4,146	3,515
Total Natural and Synthetic Rubber	3,419	4,146	3,566
<u>Reclaim Rubber -</u>			
Dispersions	24	23	12
Other than dispersions	197	321	238
Total Reclaim Rubber ...	221	344	250
GRAND TOTAL	3,640	4,490	3,816

Table 2(b). - CONSUMPTION. Statement of Manufacturers Consuming Rubber
(Weight in Long Tons)

Type of Rubber	Inventory September 1 1948	Receipts (Imports, etc.)	Con- sumption	Sales (exports, etc.)	Inventory September 30 1948
<u>Natural Rubber -</u>					
Crude Rubber	6,624	3,061	3,259	26	6,400
Natural Latex	158	129	104	-	183
Total Natural Rubber ...	6,782	3,190	3,363	26	6,583
<u>Synthetic Rubber -</u>					
Buna S	1,298	1,197	1,343	-	1,152
Butyl	195	103	182	1	115
Neoprene	83	64	77	-	70
All other	16	14	9	4	17
Total Synthetic Rubber .	1,592	1,378	1,611	5	1,354
Total Natural and Synthetic Rubber	8,374	4,568	4,974	31	7,937
<u>Reclaim Rubber -</u>					
Dispersions	57	47	54	-	50
Other than dispersions	1,792	792	1,062	2	1,520
Total Reclaim Rubber ...	1,849	839	1,116	2	1,570
GRAND TOTAL	10,223	5,407	6,090	33	9,507

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 3(a). - Consumption of all Rubber, by Main Types and by End Product Classification, August, 1948.

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials	4,143,675	1,959,782	747,435	6,850,892
2. Wire and cable	68,123	158,813	40,533	267,469
3. Footwear (including heels, soles, etc.)	667,690	273,446	159,940	1,101,076
4. Other products	879,944	522,994	737,114	2,140,052
TOTAL	5,759,432	2,915,035	1,685,022	10,359,489

Table 3(b). - Consumption of All Rubber, by Main Types and by End Product Classification, September, 1948.

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials	5,474,588	2,602,324	1,162,935	9,239,847
2. Wire and cable	88,852	203,840	24,169	316,861
3. Footwear (including heels, soles, etc.)	757,365	282,851	245,864	1,286,080
4. Other products	1,213,651	517,933	1,067,476	2,799,060
TOTAL	7,534,456	3,606,948	2,500,444	13,641,848

Tire repair materials, now included with tires and tubes, and mechanical goods now included with other products, were shown separately previous to January, 1948. The present grouping is by arrangement with the Rubber Association of Canada.

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section B, Natural Rubber

The August and September, 1948, consumption of Natural Rubber showing crude rubber and natural latex separately, and arranged according to end products classifications, is shown in Tables 6(a) and 6(b).

Summary Data, by months, January, 1947 to September, 1948 are shown in Table 5, and 1939 - 1947 yearly totals, monthly averages and percentages of natural rubber to all rubber consumed, are given in Table 4. Crude rubber and natural latex do not appear separately in summary tables, but are combined under the heading "Natural".

For summary data on Synthetic, Natural and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1. However, when comparing monthly consumption of natural rubber, as given in Table 1, with consumption as shown in detailed tables by end product classification, it should be noted that in Table 1, Guayule Rubber is reduced to a deresinated basis, whereas in the detailed tables it is included at the weight reported by the firms. Commencing with March 1, 1947, poundage of Guayule included in all tables is on a deresinated basis, and totals should, therefore, agree.

Table 4. - Consumption of Natural Rubber in Total, showing
Monthly Averages 1939-1947 and percentages of
Natural to All Rubber consumed.

<u>Year</u>	<u>Total</u> Pounds	<u>Monthly</u> <u>Average</u> Pounds	<u>Percentage</u> <u>to All Rubber</u> Per cent
1939	70,828,800	5,902,400	80.8
1940	82,871,040	6,905,920	81.4
1941	119,239,680	9,936,640	84.9
1942	94,402,560	7,866,880	77.1
1943	65,425,920	5,452,160	62.3
1944	21,477,120	1,789,760	20.4
1945	13,198,080	1,099,840	10.3
1946	21,459,268	1,788,273	17.8
1947	72,294,000	6,024,500	41.5

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 5. - Consumption of Natural Rubber in Total, by End Products, and by Months, January, 1947 to August, 1948, Showing also percentage of Natural to All Rubber Consumed.

Month	Natural		Used in the manufacture of -					
	Total	Percentage of All rubber	Tires and tubes	Repair Materials	Mechanical Goods	Wire and Cable	Footwear	Other Products
	000's pounds	Per cent	000's pounds	000's pounds	000's pounds	000's pounds	000's pounds	000's pounds
1947 - January	4,824	31.3	3,925	56	256	20	436	130
February	4,982	34.2	3,990	50	290	24	507	119
March	5,465	35.4	4,275	42	323	22	624	178
April	5,546	36.3	4,375	42	302	25	612	190
May	5,921	37.9	4,473	30	354	35	792	237
June	5,885	40.6	4,361	39	387	45	788	265
July	5,448	43.3	4,133	36	410	14	641	214
August	4,909	44.8	3,285	38	366	36	962	222
September	7,228	47.9	5,240	47	581	53	991	316
October	7,459	48.9	5,348	56	701	83	939	332
November	7,205	48.8	5,303	56	593	59	884	310
December	7,422	50.1	5,545	57	623	92	813	292
1948 - January	7,744	50.3	5,636	(1)	(2)	88	898	1,122
February	7,782	52.8	5,743	(1)	(2)	71	958	1,010
March	8,695	55.2	6,215	(1)	(2)	90	1,115	1,275
April	8,275	54.9	5,952	(1)	(2)	102	1,130	1,091
May	7,457	56.1	5,264	(1)	(2)	80	1,047	1,066
June	8,426	55.8	6,189	(1)	(2)	91	1,057	1,089
July	6,515	55.3	5,126	(1)	(2)	46	615	728
August	5,759	55.6	4,144	(1)	(2)	68	667	880
September	7,534	55.2	5,474	(1)	(2)	89	757	1,214

(1) Included with "tires and tubes". (2) Included with "other products".

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 6(a). - Consumption of Natural Rubber, by Types and by End Product Classification, August, 1948.

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials	4,133,656	10,019	4,143,675
2. Wire and cable	68,123	-	68,123
3. Footwear (including heels, soles, etc.)	666,555	1,135	667,690
4. Other Products	738,783	141,161	879,944
TOTAL	5,607,117	152,315	5,759,432

Table 6(b). - Consumption of Natural Rubber, by Types and by End Product Classification, September, 1948.

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials	5,448,800	25,788	5,474,588
2. Wire and cable	88,852	-	88,852
3. Footwear (including heels, soles, etc.)	755,792	1,573	757,365
4. Other products	1,007,685	205,966	1,213,651
TOTAL	7,301,129	233,327	7,534,456

Tire repair materials, now included with tires and tubes, and mechanical goods, now included with other products, were shown separately previous to January, 1948. The present grouping is by arrangement with the Rubber Association of Canada.

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Section C. Synthetic Rubber

The August and September, 1948 consumption of Synthetic Rubber is shown by type, and by end products classification, in Table 10.

Summary data, by months are shown in Tables 8 and 9, while 1943 - 1947 yearly totals and monthly averages are given in Table 7.

For summary data on Synthetic and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1.

Table 7. - Consumption of Synthetic Rubber in Total, showing Monthly Averages, 1943 - 1947 and Percentages of Synthetic Rubber to All Rubber Consumed.

<u>Year</u>	<u>Total</u>	<u>Monthly Average</u>	<u>Percentage</u>
1943	8,252,160 pounds	687,680 pounds	7.9
1944	55,399,680 "	4,616,640 "	52.7
1945	80,505,600 "	6,708,800 "	62.9
1946	66,357,973 "	5,529,831 "	55.6
1947	65,367,660 "	5,447,305 "	37.5

Table 8. - Consumption of Synthetic Rubber, by Types and by Months, January 1947 to September 1948.

<u>Month</u>	<u>Buna S</u>	<u>Butyl</u>	<u>Neoprene</u>	<u>Other</u>	<u>Total</u>
	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>
1947 - January	5,710,124	1,199,032	230,720	18,173	7,158,049
February	5,034,216	1,095,348	176,960	18,814	6,325,338
March	5,122,804	1,001,714	241,890	76,249	6,442,657
April	5,201,926	1,162,252	217,750	9,477	6,591,405
May	5,135,107	1,092,810	225,866	16,464	6,470,247
June	4,447,404	960,038	219,914	63,014	5,690,370
July	3,689,525	759,452	146,944	15,129	4,611,050
August	3,059,955	665,754	116,599	10,323	3,852,631
September	3,661,306	882,330	177,278	13,099	4,734,013
October	3,607,668	858,690	174,591	18,630	4,659,579
November	3,394,278	815,672	169,987	16,585	4,396,522
December	3,380,775	925,781	122,208	7,035	4,435,799
1948 - January	3,593,044	923,787	130,949	16,929	4,664,709
February	3,320,024	733,907	146,740	22,880	4,223,551
March	3,373,629	460,765	165,141	26,268	4,025,803
April	3,508,423	446,890	204,995	20,493	4,180,801
May	2,969,325	385,312	184,528	20,383	3,559,548
June	3,223,223	524,704	191,943	26,019	3,965,889
July	2,614,210	386,787	125,003	13,543	3,139,543
August	2,380,019	306,453	204,508	24,055	2,915,035
September	3,007,785	407,223	172,401	19,539	3,606,948

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Table 9. - Consumption of Synthetic Rubber, in Total, by End Products, and by Months, January, 1947-September, 1948.
showing also Percentage of Synthetic to all Rubber Consumed.

Month	Synthetic Rubber		Used in the Manufacture of -					
	Total	Percentage of All Rubber	Tires and Tubes	Repair Materials	Mechanical Goods	Wire and Cable	Footwear	Other Products
	000's pounds	Per cent	000's pounds	000's pounds	000's pounds	000's pounds	000's pounds	000's pounds
1947 - January	7,158	46.4	5,194	95	849	183	377	459
February	6,325	43.3	4,828	91	474	164	375	395
March	6,443	41.8	4,717	63	670	168	519	306
April	6,591	43.2	4,774	69	646	165	575	362
May	6,470	41.5	4,877	51	586	231	401	325
June	5,690	39.3	4,340	37	616	164	210	324
July	4,611	36.7	3,532	37	446	114	307	175
August	3,853	35.1	2,876	33	311	155	314	163
September ..	4,734	31.4	3,370	37	517	208	378	224
October	4,660	30.6	3,385	27	436	190	365	257
November ...	4,397	29.7	3,158	45	368	253	323	250
December ...	4,436	30.0	3,381	61	334	157	314	189
1948 - January	4,665	30.2	3,495	(1)	(2)	203	365	602
February ...	4,223	28.7	3,076	(1)	(2)	183	364	600
March	4,026	25.5	2,830	(1)	(2)	265	338	602
April	4,181	27.7	2,981	(1)	(2)	254	310	636
May	3,560	26.7	2,504	(1)	(2)	205	319	532
June	3,966	26.3	2,750	(1)	(2)	228	339	649
July	3,139	26.6	2,299	(1)	(2)	137	217	486
August	2,915	28.1	1,960	(1)	(2)	159	273	523
September ..	3,607	26.5	2,602	(1)	(2)	204	283	518

(1) Included with "tires and tubes". (2) Included with "other products".

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Table 10(a). - Consumption of Synthetic Rubber, by Types and by End Product Classification, August, 1948.

End Products	Buna S	Butyl	Neoprene	Other	Total Synthetic
	Pounds	Pounds	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials ..	1,660,061	299,027	694	-	1,959,782
2. Wire and cable	115,281	-	43,532	-	158,813
3. Footwear (including heels, soles, etc.)	265,330	796	1,346	5,974	273,446
4. Other products	339,347	6,630	158,936	18,081	522,994
TOTAL	2,380,019	306,453	204,508	24,055	2,915,035

Table 10(b). - Consumption of Synthetic Rubber, by Types and by End Product Classification, September, 1948.

End Products	Buna S	Butyl	Neoprene	Other	Total Synthetic
	Pounds	Pounds	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials ..	2,201,323	397,703	3,298	-	2,602,324
2. Wire and cable	160,609	-	43,231	-	203,840
3. Footwear (including heels, soles, etc.)	274,286	1,563	1,943	5,059	282,851
4. Other products	371,567	7,957	123,929	14,480	517,933
	3,007,785	407,223	172,401	19,539	3,606,948

Tire repair materials, now included with tires and tubes, and mechanical goods, now included with other products, were shown separately previous to January, 1948. The present grouping is by arrangement with The Rubber Association of Canada.

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Section D. Reclaim Rubber

Tables 11 and 12 give the consumption of Reclaim in total, for the years 1939-1947 with monthly averages for each year and broken down into Dispersions and Other than Dispersions, by actual months, Jan. 1947 to September, 1948. Consumption of Reclaim, in total only, by end product classification is given in Tables 3(a) and 3(b) for August and September, 1948.

For summary data on Reclaim, Synthetic, and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1.

Table 11. - Consumption of Reclaim Rubber in Total, and by Monthly Averages, 1939 - 1947, showing also percentages of Reclaim to all rubber consumed.

<u>Year</u>	<u>Total</u>	<u>Monthly Averages</u>	<u>Percentage to All Rubber</u>
1939	16,826,880	1,402,240	19.2
1940	18,896,640	1,574,720	18.6
1941	21,208,320	1,767,360	15.1
1942	28,008,960	2,334,080	22.9
1943	31,342,080	2,611,840	29.8
1944	28,277,760	2,356,480	26.9
1945	34,298,880	2,858,240	26.8
1946	31,673,600	2,639,467	26.6
1947	36,418,788	3,034,899	21.0

Table 12. - Consumption of Reclaim Rubber, by Types and by Months, Jan. 1947 to September, 1948, showing percentage of Reclaim to All Rubber Consumed.

<u>Month</u>	<u>Dispersions</u>	<u>Other than Dispersions</u>	<u>Total</u>	<u>Percentage to All Rubber</u>
	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Per cent</u>
1947 - January	147,840	3,286,080	3,433,920	22.3
February	129,920	3,147,200	3,277,120	22.5
March	134,392	3,381,357	3,515,749	22.8
April	202,416	2,922,378	3,124,794	20.5
May	168,592	3,053,234	3,221,826	20.6
June	166,105	2,744,499	2,910,604	20.1
July	144,393	2,365,824	2,510,217	20.0
August	130,975	2,071,196	2,202,171	20.1
September	158,296	2,963,932	3,122,228	20.7
October	145,241	2,984,191	3,129,432	20.5
November	140,170	3,034,534	3,174,704	21.5
December	125,594	2,818,269	2,943,863	19.9
1948 - January	113,948	2,886,095	3,000,043	19.5
February	115,805	2,608,102	2,723,907	18.5
March	149,175	2,893,982	3,043,157	19.3
April	135,727	2,491,562	2,627,289	17.4
May	102,679	2,182,470	2,285,149	17.2
June	135,761	2,561,918	2,697,679	17.9
July	108,040	2,022,148	2,130,188	18.1
August	108,022	1,577,000	1,685,022	16.3
September	121,052	2,379,392	2,500,444	18.5

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