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DOMINION BUREAU OF STATISTICS

+ + + *Industry and Merchandising Division* + + +

GENERAL MANUFACTURES SECTION

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MONTHLY REPORT

ON

CONSUMPTION,

PRODUCTION AND INVENTORIES

OF RUBBER

JANUARY, 1949



OTTAWA
1949

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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
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CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

JANUARY 1949.

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.

Consumption of rubber in January 1949 as compared with December 1948 decreased as follows: natural 533,094 pounds, synthetic 334,577 pounds, and reclaim 215,282 pounds, the total decrease being 1,082,953 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 materials, decreased by 813,067 pounds, consumption in rubber footwear increased by 154,238 pounds, in wire and cable decreased by 17,028 pounds, and in other products decreased by 407,096 pounds, making the total decrease of 1,082,953 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 1948 - January 1949.

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
1948 - January ...	5,739	3,921	2,246	3,648	371	3,458	2,081	1,339
February ..	5,704	4,062	2,162	3,388	388	3,474	1,886	1,216
March	5,585	3,862	2,041	3,560	427	3,882	1,797	1,359
April	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
October ...	7,710	3,802	1,751	2,959	351	3,522	1,651	1,175
November ..	6,118	3,570	1,689	3,990	375	3,880	1,806	1,203
December ..	5,827	4,336	1,829	4,019	357	3,724	1,795	1,180
1949 - January ...	6,412	5,106	1,870	4,762	329	3,487	1,644	1,084

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

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

Type of Rubber	Inventory January 1, 1949	Production	Inventory January 31, 1949
<u>Natural Rubber -</u>			
Crude Rubber	-	-	-
Natural Latex	66	-	66
Total Natural Rubber	66	-	66
<u>Synthetic Rubber -</u>			
Buna-S, Solid	2,138	3,657	2,444
Buna-S, Latex	94	204	129
Buna-N, Solid	24	61	84
Butyl, Solid	804	840	1,102
Neoprene	57	-	66
All other	-	-	-
Total Synthetic Rubber	3,117	4,762	3,825
Total Natural and Synthetic	3,183	4,762	3,891
<u>Reclaim Rubber -</u>			
Dispersions	37	18	40
Other than dispersions	336	311	364
Total Reclaim Rubber	373	329	404
GRAND TOTAL	3,556	5,091	4,295

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

Type of Rubber	Inventory January 1, 1949	Receipts (imports, etc.)	Con- sumption	Sales (exports, etc.)	Inventory January 31, 1949
<u>Natural Rubber -</u>					
Crude Rubber	5,560	4,004	3,374	43	6,147
Natural Latex	201	111	113	-	199
Total Natural Rubber	5,761	4,115	3,487	43	6,346
<u>Synthetic Rubber -</u>					
Buna-S, Solid	916	1,411	1,351	-	976
Buna-S, Latex	85	52	45	15	77
Buna-N, Solid	4	2	2	-	4
Butyl, Solid	90	200	182	-	108
Neoprene	104	51	59	-	96
All other	20	9	5	4	20
Total Synthetic Rubber ..	1,219	1,725	1,644	19	1,281
Total Natural and Synthetic	6,980	5,840	5,131	62	7,627
<u>Reclaim Rubber -</u>					
Dispersions	24	118	35	-	107
Other than dispersions ...	1,432	992	1,049	16	1,359
Total Reclaim Rubber	1,456	1,110	1,084	16	1,466
GRAND TOTAL	8,436	6,950	6,215	78	9,093

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

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

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	6,116,563	2,882,919	1,420,678	10,420,160
2. Wire and cable	119,611	212,998	17,393	350,002
3. Footwear (including heels, soles, etc.)	818,809	287,239	148,798	1,254,846
4. Other products	1,288,064	637,715	1,056,444	2,982,223
TOTAL	8,343,047	4,020,871	2,643,313	15,007,231

Table 3(b). - Consumption of All Rubber, by Main Types and by End Product Classification, January 1949.

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	5,646,108	2,696,322	1,264,663	9,607,093
2. Wire and cable	89,037	210,659	33,278	332,974
3. Footwear (including heels, soles, etc.)	987,801	256,148	165,135	1,409,084
4. Other products	1,087,007	523,165	964,955	2,575,127
TOTAL	7,809,953	3,686,294	2,428,031	13,924,278

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section B. Natural Rubber

The December, 1948 and January 1949 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 1948 to January 1949, are shown in Table 5, and 1939 - 1948 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 and domestic consumption, expressed in long tons, see Table 1.

Table 4. - Consumption of Natural Rubber in Total, showing Monthly Averages 1939-1948 and percentages of Natural to All Rubber Consumed.

Year	Total	Monthly Average	Percentage to All Rubber
	Pounds	Pounds	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
1948	93,113,676	7,759,473	54.8

Table 5. - Consumption of Natural Rubber in Total, by End Products, and by Months, January 1948 to January 1949, showing also percentage of Natural to All Rubber Consumed.

Year and Month	Natural		Used in the manufacture of -			
	Total	Percentage of All Rubber	Tires and Tubes	Wire and Cable	Footwear	Other Products
	000's pounds	per cent	000's pounds	000's pounds	000's pounds	000's pounds
1948 - January	7,744	50.3	5,636	88	898	1,122
February	7,782	52.8	5,743	71	958	1,010
March	8,695	55.2	6,215	90	1,115	1,275
April	8,275	54.9	5,952	102	1,130	1,091
May	7,457	56.1	5,264	80	1,047	1,066
June	8,426	55.8	6,189	91	1,057	1,089
July	6,515	55.3	5,126	46	615	728
August	5,759	55.6	4,144	68	667	880
September ...	7,534	55.2	5,474	89	757	1,214
October	7,889	55.5	5,717	92	914	1,166
November	8,691	56.3	6,479	134	901	1,177
December	8,343	55.6	6,116	120	819	1,288
1949 - January	7,810	56.1	5,646	89	988	1,087

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section B. Natural Rubber - (Concluded).

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

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires, tubes and repair materials	6,092,871	23,692	6,116,563
2. Wire and cable	119,611	-	119,611
3. Footwear (including heels, soles, etc.)	818,167	642	818,809
4. Other products	1,062,242	225,822	1,288,064
TOTAL	8,092,891	250,156	8,343,047

Table 6(b). - Consumption of Natural Rubber, by Types and by End Product Classification, January 1949.

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires, tubes and repair materials	5,621,501	24,607	5,646,108
2. Wire and cable	89,037	-	89,037
3. Footwear (including heels, soles, etc.)	980,465	7,336	987,801
4. Other products	865,895	221,112	1,087,007
TOTAL	7,556,898	253,055	7,809,953

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C. Synthetic Rubber

The December 1948 and January 1949 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 - 1948 yearly totals and monthly averages are given in Table 7. For summary data on Synthetic and other rubber stocks, domestic production and domestic consumption, expressed in long tons, see Table 1.

Table 7. - Consumption of Synthetic Rubber in Total, showing Monthly Averages, 1943 - 1948, and Percentages of Synthetic Rubber to All Rubber Consumed.

Year	Total	Monthly Average	Percentage
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
1948	46,051,821 "	3,837,652 "	27.1

Table 8. - Consumption of Synthetic Rubber, by Types and by Months, January 1948 to January 1949.

	Buna-S	Butyl	Neoprene	Other	Total
	Pounds	Pounds	Pounds	Pounds	Pounds
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
October	3,093,226	410,371	182,211	16,049	3,701,857
November	3,396,730	465,021	166,917	18,598	4,047,266
December	3,381,339	450,228	171,767	17,537	4,020,871
1949 - January	3,128,991	407,957	131,575	17,771	3,686,294

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C. Synthetic Rubber (Continued)

Table 9. - Consumption of Synthetic Rubber, in Total, by End Products, and by Months, January 1947 to January 1949 showing also Percentage of Synthetic to All Rubber Consumed.

Year and Month	Synthetic Rubber		Used in the manufacture of -			
	Total	Percentage of All Rubber	Tires and Tubes *	Wire and Cable	Footwear	Other Products
	000's pounds	Per cent	000's pounds	000's pounds	000's pounds	000's pounds
1947 - January	7,158	46.4	5,289	183	377	1,308
February	6,325	43.3	4,919	164	375	869
March	6,443	41.8	4,780	168	519	976
April	6,591	43.2	4,843	165	575	1,008
May	6,470	41.5	4,928	231	401	911
June	5,690	39.3	4,377	164	210	940
July	4,611	36.7	3,569	114	307	621
August	3,853	35.1	2,909	155	314	474
September	4,734	31.4	3,407	208	378	741
October	4,660	30.6	3,412	190	365	693
November	4,397	29.7	3,203	253	323	618
December	4,436	30.0	3,442	157	314	523
1948 - January	4,665	30.2	3,495	203	365	602
February	4,223	28.7	3,076	183	364	600
March	4,026	25.5	2,830	265	338	602
April	4,181	27.7	2,981	254	310	636
May	3,560	26.7	2,504	205	319	532
June	3,966	26.3	2,750	228	339	649
July	3,139	26.6	2,299	137	217	486
August	2,915	28.1	1,960	159	273	523
September	3,607	26.5	2,602	204	283	518
October	3,702	26.0	2,667	164	301	570
November	4,047	26.2	2,832	259	338	618
December	4,021	26.8	2,883	213	287	638
1949 - January	3,686	26.5	2,696	211	256	523

* Includes "tire repair materials"

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C. - Synthetic Rubber (Concluded)

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

End Products	Buna-S		Buna-N	Butyl	Neoprene	Other	Total Synthetic
	Solid	Latex					
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes, and tire repair materials	2,405,997	33,935	-	440,103	2,884	-	2,882,919
2. Wire and cable ...	168,802	-	-	450	43,746	-	212,998
3. Footwear (includ- ing heels, soles, etc.)	274,212	6,678	-	574	3,835	1,940	287,239
4. Other products ...	403,521	88,194	6,385	9,101	121,302	9,212	637,715
TOTAL	3,252,532	128,807	6,385	450,228	171,767	11,152	4,020,871

Table 10(b). - Consumption of Synthetic Rubber, by Types and by
End Product Classification, January 1949.

End Products	Buna-S		Buna-N	Butyl	Neoprene	Other	Total Synthetic
	Solid	Latex					
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes, and tire repair materials	2,227,304	60,486	-	403,831	4,701	-	2,696,322
2. Wire and cable ...	177,961	-	-	300	32,398	-	210,659
3. Footwear (includ- ing heels, soles, etc.)	246,026	2,025	-	822	2,849	4,426	256,148
4. Other products ...	376,218	38,971	5,425	3,004	91,627	7,920	523,165
TOTAL	3,027,509	101,482	5,425	407,957	131,575	12,346	3,686,294

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section D. Reclaim Rubber

Tables 11 and 12 give the consumption of Reclaim in total for the years 1939-1948 with monthly averages for each year and broken down into Dispersions and Other than Dispersions, by actual months, January 1948 to January 1949. Consumption of Reclaim, in total only, by end product classification is given in Tables 3(a) and 3(b) for December 1948 and January 1949. For summary data on Reclaim, Synthetic, and other rubber stocks, domestic production and domestic consumption, expressed in long tons, see Table 1.

Table 11. - Consumption of Reclaim Rubber in Total, and by Monthly Averages, 1939 - 1948, showing also percentages of Reclaim to All Rubber Consumed.

Year	Total	Monthly Average	Percentage to All Rubber
1939	16,826,880 pounds	1,402,240 pounds	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
1948	30,661,557 "	2,555,130 "	18.1

Table 12. - Consumption of Reclaim Rubber, by Types and by Months, January 1948 to January 1949, showing percentage of Reclaim to All Rubber Consumed.

Month	Dispersions	Other than Dispersions	Total	Percentage to All Rubber
	Pounds	Pounds	Pounds	Per cent
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	18.3
October	110,063	2,521,523	2,631,586	18.5
November	104,549	2,589,231	2,693,780	17.5
December	88,865	2,554,448	2,643,313	17.6
1949 - January	78,752	2,349,279	2,428,031	17.4

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