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CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

DECEMBER, 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 addition 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 December, 1949 as compared with November, 1949 shows an increase in natural of 419,450 pounds, an increase in synthetic of 82,695 pounds, and an increase in reclaim of 316,767 pounds, the total increase being 818,912 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, increased by 703,210 pounds, consumption in rubber footwear decreased by 202,849 pounds, in wire and cable decreased by 2,308 pounds, and in other products increased by 320,859 pounds, making the total increase of 818,912 pounds mentioned above.



CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER
Section A, Summary Data.

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 - 1949, and Actual Monthly Totals, January 1949 - December 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	6,002	4,448	2,019	3,371	360	3,464	1,713	1,141
1949	6,138	4,678	1,715	3,887	290	3,192	1,505	983
1949 - January .								
February.	6,412	5,106	1,870	4,762	329	3,487	1,644	1,084
March ...	7,713	4,512	1,851	3,792	270	3,397	1,696	1,035
April ...	7,032	4,013	1,703	4,147	299	3,620	1,748	1,128
May	7,200	4,299	1,787	3,376	254	3,075	1,763	991
June	7,492	4,755	1,826	4,543	309	3,194	1,677	1,028
July	5,891	3,790	1,461	4,224	265	3,209	1,556	1,108
August ..	5,230	5,307	1,471	4,119	143	2,452	1,160	780
September	5,331	5,820	1,602	4,446	304	2,432	1,186	752
October .	5,202	5,240	1,587	3,640	312	3,259	1,391	962
November.	5,704	4,805	1,783	2,938	329	3,338	1,411	988
December.	5,272	4,050	1,793	2,707	326	3,324	1,397	897
	5,181	4,442	1,845	3,948	335	3,512	1,434	1,038

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 December 1, 1949	Production	Inventory December 31, 1949
<u>Natural Rubber -</u>			
Crude Rubber	-	-	-
Natural Latex	40	-	40
Total Natural Rubber	40	-	40
<u>Synthetic Rubber -</u>			
Buna-S	2,127	2,652	2,052
Butyl	517	947	702
Neoprene	25	-	40
All other	224	349	437
Total Synthetic Rubber ...	2,893	3,948	3,231
Total Natural and Synthetic	2,933	3,948	3,271
<u>Reclaim Rubber -</u>			
Dispersions	17	21	21
Other than dispersions	245	314	322
Total Reclaim Rubber	262	335	343
GRAND TOTAL	3,195	4,283	3,614

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

Type of Rubber	Inventory December 1, 1949	Receipts (imports, etc.)	Con- sumption	Sales (exports etc.)	Inventory December 31 1949
<u>Natural Rubber -</u>					
Crude Rubber	5,048	3,327	3,358	65	4,952
Natural Latex	184	169	154	10	189
Total Natural Rubber	5,232	3,496	3,512	75	5,141
<u>Synthetic Rubber -</u>					
Buna-S, Solid	853	1,090	1,084	-	859
Buna-S, Latex	38	41	34	-	45
Buna-N	6	4	4	1	5
Butyl	108	247	209	-	146
Neoprene	127	90	93	-	124
All other	25	23	10	6	32
Total Synthetic	1,157	1,495	1,434	7	1,211
Total Natural and Synthetic	6,389	4,991	4,946	82	6,352
<u>Reclaim Rubber -</u>					
Dispersions	51	48	40	-	59
Other than dispersions	1,480	963	998	2	1,443
Total Reclaim Rubber	1,531	1,011	1,038	2	1,502
GRAND TOTAL	7,920	6,002	5,984	84	7,854

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section A. Summary Data - Concluded

Table 3 (a). - Consumption of all Rubber, by Main Types and by End Product Classification, December, 1949

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	5,526,002	2,126,000	1,090,502	8,742,504
2. Wire and cable	86,221	262,143	18,949	367,313
3. Footwear (including heels, soles, etc.)	842,604	308,383	201,805	1,352,792
4. Other products	1,410,887	517,391	1,014,641	2,942,919
TOTAL	7,865,714	3,213,917	2,325,897	13,405,528

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

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	5,021,730	2,045,895	971,669	8,039,294
2. Wire and cable	95,367	258,100	16,154	369,621
3. Footwear (including heels, soles, etc.))	1,045,687	289,540	220,414	1,555,641
4. Other Products	1,283,480	537,687	800,893	2,622,060
TOTAL	7,446,264	3,131,222	2,009,130	12,586,616

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section B. Natural Rubber

The November 1949 and December 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, December 1948 to December 1949, are shown in Table 5, and 1939 - 1949 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 1939-1949 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
1949	85,790,432	7,149,203	56.2

Table 5. - Consumption of Natural Rubber in Total, by End Products, and by Months, December 1948 to December 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	Foot-wear	Other Products
	000's pounds	per cent	000's pounds	000's pounds	000's pounds	000's pounds
1948 - December	8,343	55.6	6,116	120	819	1,288
1949 - January	7,810	56.1	5,646	89	988	1,087
February	7,608	55.4	5,463	109	972	1,064
March	8,109	55.7	5,766	90	959	1,294
April	6,888	52.8	4,806	78	755	1,249
May	7,154	54.1	4,964	91	941	1,158
June	7,190	54.6	5,067	31	796	1,296
July	5,494	55.8	3,980	26	597	891
August	5,448	55.7	3,332	97	980	1,039
September	7,299	58.1	4,924	65	912	1,398
October	7,479	58.2	5,202	71	985	1,221
November	7,446	59.2	5,022	95	1,046	1,283
December	7,866	58.7	5,526	86	843	1,411

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 1949

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	5,497,055	28,947	5,526,002
2. Wire and cable	86,221	-	86,221
3. Footwear (including heels, soles, etc.)	841,542	1,062	842,604
4. Other products	1,096,421	314,466	1,410,887
TOTAL	7,521,239	344,475	7,865,714

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

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	4,991,218	30,512	5,021,730
2. Wire and cable	95,367	-	95,367
3. Footwear (including heels, soles, etc.)	1,044,235	1,452	1,045,687
4. Other products	1,046,172	237,308	1,283,480
TOTAL	7,176,992	269,272	7,446,264

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C. Synthetic Rubber

The November 1949 and December 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 1943-1949 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, 1943-1949, and Percentages of Synthetic Rubber to All Rubber Consumed.

Year	Total	Monthly Average	Percentage
	Pounds	Pounds	
1943	8,252,160	687,680	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
1949	40,474,347	3,372,862	26.5

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

	Buna-S	Butyl	Neoprene	Other	Total
	Pounds	Pounds	Pounds	Pounds	Pounds
1948 - 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
February ...	3,171,352	439,123	169,109	18,093	3,797,677
March	3,220,560	463,700	203,482	28,199	3,915,941
April	3,295,160	437,469	182,656	32,230	3,947,515
May	3,153,583	401,789	193,233	11,679	3,760,284
June	2,930,548	357,375	183,188	16,616	3,487,727
July	2,169,349	302,339	109,412	18,458	2,599,558
August	2,244,334	244,569	147,848	20,705	2,657,456
September ..	2,542,996	332,555	217,127	23,993	3,116,671
October	2,560,331	363,816	212,157	23,781	3,160,085
November ...	2,492,100	433,005	184,654	21,463	3,131,222
December ...	2,506,609	468,677	209,291	29,340	3,213,917

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 December 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	Foot-wear	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
February	3,798	27.7	2,646	249	366	537
March	3,916	26.9	2,726	272	336	582
April	3,948	30.2	2,867	216	327	538
May	3,760	28.5	2,687	204	379	490
June	3,488	26.5	2,418	161	381	528
July	2,599	26.4	1,838	69	329	363
August	2,657	27.1	1,650	182	395	430
September	3,117	24.8	1,990	236	381	510
October	3,160	24.6	2,011	218	445	486
November	3,131	24.8	2,046	258	289	538
December	3,214	24.0	2,126	262	308	518

* 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 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	1,607,904	53,647	200	458,809	5,440	-	2,126,000
2. Wire and cable .	145,739	-	-	1,510	114,894	-	262,143
3. Footwear (including heels, soles, etc.) ..	297,351	-	150	-	3,487	7,395	308,383
4. Other products .	378,451	23,517	7,523	8,358	85,470	14,072	517,391
TOTAL	2,429,445	77,164	7,873	468,677	209,291	21,467	3,213,917

Table 10 (b). - Consumption of Synthetic Rubber, by Types and by End Product Classification, November 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	1,564,070	49,342	300	426,125	6,058	-	2,045,895
2. Wire and cable ..	166,736	-	-	700	90,664	-	258,100
3. Footwear (including heels, soles, etc.) ..	281,318	-	85	-	3,478	4,659	289,540
4. Other products ..	392,830	37,804	4,575	6,180	84,454	11,844	537,687
TOTAL	2,404,954	87,146	4,960	433,005	184,654	16,503	3,131,222



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CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section D, Reclaim Rubber

Tables 11 and 12 give the consumption of Reclaim in total for the years 1939-1949 with monthly averages for each year and broken down into Dispersions and Other than Dispersions, by actual months, December 1948 to December 1949. Consumption of Reclaim, in total only, by end product classification is given in Tables 3 (a) and 3 (b) for November 1949 and December 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 the Reclaim Rubber in Total, and by Monthly Averages, 1939-1949, showing also percentages of Reclaim to All Rubber Consumed.

Year	Total	Monthly Average	Percentage To All Rubber
	Pounds	Pounds	
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	36,566,628	3,047,219	21.0
1948	30,661,557	2,555,130	18.1
1949	26,417,995	2,201,500	17.3

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

Month	Dispersions	Other than Dispersions	Total	Percentage To All Rubber
	Pounds	Pounds	Pounds	Per cent
1948 - December ...	88,865	2,554,448	2,643,313	17.6
1949 - January	78,752	2,349,279	2,428,031	17.4
February ...	91,674	2,227,480	2,319,154	16.9
March	92,559	2,436,481	2,529,040	17.4
April	95,277	2,123,118	2,218,395	17.0
May	89,358	2,214,598	2,303,956	17.4
June	77,058	2,405,429	2,482,487	18.9
July	58,077	1,689,518	1,747,595	17.8
August	79,898	1,604,127	1,684,025	17.2
September ..	86,144	2,071,096	2,157,240	17.1
October	96,714	2,116,331	2,213,045	17.2
November ...	92,013	1,917,117	2,009,130	16.0
December ...	90,275	2,235,622	2,325,897	17.3