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CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

AUGUST, 1950

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 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 August, 1950 as compared with July, 1950, shows a decrease in natural of 1,224,451 pounds, an increase in synthetic of 591,551 pounds, and a decrease in reclaim of 196,059 pounds, the total decrease being 828,959 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 2,066,249 pounds, consumption in rubber footwear increased by 415,951 pounds, in wire and cable increased by 215,586 pounds, and in other products increased by 605,753 pounds, making the total decrease of 828,959 pounds mentioned above.

Prepared in General Manufactures Section.

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 - August 1950.

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	6,412	5,106	1,870	4,762	329	3,487	1,644	1,084
February	7,713	4,512	1,851	3,792	270	3,397	1,696	1,035
March	7,032	4,013	1,703	4,147	299	3,620	1,748	1,128
April	7,200	4,299	1,787	3,376	254	3,075	1,763	991
May	7,492	4,755	1,826	4,543	309	3,194	1,677	1,028
June	5,891	3,790	1,461	4,224	265	3,209	1,556	1,108
July	5,230	5,307	1,471	4,119	143	2,452	1,160	780
August	5,331	5,820	1,602	4,446	304	2,432	1,186	752
September	5,202	5,240	1,587	3,640	312	3,259	1,391	962
October	5,704	4,805	1,783	2,938	329	3,338	1,411	988
November	5,272	4,050	1,793	2,707	326	3,324	1,397	897
December	5,181	4,442	1,845	3,948	335	3,512	1,434	1,038
1950 - January	5,734	4,443	1,712	4,625	317	3,608	1,527	1,052
February	4,964	4,300	1,695	4,345	291	3,690	1,630	1,070
March	4,983	4,110	1,607	5,290	322	3,916	1,683	1,139
April	5,272	4,700	1,652	4,604	343	3,477	1,640	1,059
May	5,714	3,743	1,540	4,744	436	3,588	1,837	1,134
June	4,416	3,278	1,599	4,489	401	4,041	1,817	1,234
July	3,561	3,297	1,532	4,777	193	3,626	1,682	1,062
August	3,521	3,109	1,564	4,977	385	3,079	1,947	975

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 August 1, 1950	Production	Inventory August 31, 1950
<u>Natural Rubber -</u>			
Crude Rubber	-	-	-
Natural Latex	45	-	51
Total Natural Rubber	45	-	51
<u>Synthetic Rubber -</u>			
Buna-S	947	3,660	664
Butyl	376	964	409
Neoprene	33	-	48
All other	202	353	202
Total Synthetic Rubber	1,558	4,977	1,323
Total Natural and Synthetic .	1,603	4,977	1,374
<u>Reclaim Rubber -</u>			
Dispersions	38	24	30
Other than dispersions	78	361	61
Total Reclaim Rubber	116	385	91
GRAND TOTAL	1,719	5,362	1,465

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

Type of Rubber	Inventory August 1, 1950	Receipts (imports, etc.)	Con- sumption	Sales (exports etc.)	Inventory August 31, 1950
<u>Natural Rubber -</u>					
Crude Rubber	3,360	2,933	2,917	89	3,287
Natural Latex	156	197	162	8	183
Total Natural Rubber	3,516	3,130	3,079	97	3,470
<u>Synthetic Rubber -</u>					
Buna-S, Solid	1,200	1,506	1,514	-	1,192
Buna-S, Latex	71	54	71	-	54
Buna-N	8	9	6	-	11
Butyl	257	297	214	-	340
Neoprene	167	133	131	4	165
All other	36	10	11	11	24
Total Synthetic	1,739	2,009	1,947	15	1,786
Total Natural and Synthetic.	5,255	5,139	5,026	112	5,256
<u>Reclaim Rubber</u>					
Dispersions	81	73	50	-	104
Other than dispersions	1,335	959	925	-	1,369
Total Reclaim Rubber	1,416	1,032	975	-	1,473
GRAND TOTAL	6,671	6,171	6,001	112	6,729

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, August, 1950

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	4,413,652	2,374,187	963,090	7,750,929
2. Wire and cable	78,580	345,101	15,704	439,385
3. Footwear (including heels, soles, etc.)	907,902	524,053	215,960	1,647,915
4. Other products	1,497,771	1,118,605	989,773	3,606,149
TOTAL	6,897,905	4,361,946	2,184,527	13,444,378

Table 3 (b). - Consumption of All Rubber, by Main Types and by End Product
Classification, July, 1950.

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	6,004,878	2,594,688	1,217,612	9,817,178
2. Wire and cable	48,631	166,996	8,172	223,799
3. Footwear, (including heels, soles, etc.)	640,185	370,461	221,318	1,231,964
4. Other products	1,428,662	638,250	933,484	3,000,396
TOTAL	8,122,356	3,770,395	2,380,586	14,273,337

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section B, Natural Rubber

The July 1950 and August 1950 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 August 1949 to August 1950, 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, August 1949 to August 1950, 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
1949 - 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
1950 - January .	8,083	58.3	5,561	90	819	1,613
February.	8,265	57.7	5,658	76	933	1,598
March ...	8,772	58.1	5,849	95	1,091	1,737
April ...	7,790	56.3	5,245	65	944	1,536
May	8,036	54.7	5,450	80	967	1,539
June	9,052	57.0	6,472	64	967	1,549
July	8,122	56.9	6,005	48	640	1,429
August ..	6,898	51.3	4,414	78	908	1,498

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, August 1950.

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	4,386,355	27,297	4,413,652
2. Wire and cable	78,580	-	78,580
3. Footwear (including heels, soles, etc.)	906,197	1,705	907,902
4. Other products	1,163,316	334,455	1,497,771
TOTAL	6,534,448	363,457	6,897,905

Table 6 (b). - Consumption of Natural Rubber, by Types and by End Product Classification, July 1950.

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	5,972,946	31,932	6,004,878
2. Wire and cable	48,631	-	48,631
3. Footwear (including heels, soles, etc.)	639,246	939	640,185
4. Other Products	1,121,764	306,898	1,428,662
TOTAL	7,782,587	339,769	8,122,356

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C, Synthetic Rubber

The July 1950 and August 1950 consumption of Synthetic Rubber is shown by types 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	Percentages
	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, August 1949 to August 1950.

	Buna-S	Butyl	Neoprene	Other	Total
	Pounds	Pounds	Pounds	Pounds	Pounds
1949 - 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
1950 - January	2,701,828	461,824	229,930	27,915	3,421,497
February	2,884,387	511,313	228,794	29,449	3,653,943
March	2,974,268	494,534	272,921	30,651	3,772,374
April	2,931,191	505,518	214,213	27,130	3,678,052
May	3,240,788	571,476	265,749	36,054	4,114,067
June	3,247,191	518,822	272,301	31,101	4,069,415
July	3,027,299	569,205	148,396	25,495	3,770,395
August	3,551,453	479,769	293,427	37,297	4,361,946

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 1948 to August 1950 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 ^x	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 - 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	256	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
1950 - January ...	3,421	24.7	2,222	307	333	559
February ..	3,654	25.5	2,380	295	364	615
March	3,772	25.0	2,251	331	483	707
April	3,678	26.6	2,418	259	312	689
May	4,114	28.0	2,655	359	353	747
June	4,069	25.6	2,527	322	436	784
July	3,770	26.4	2,595	167	370	638
August	4,362	32.5	2,374	345	524	1,119

x 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, August 1950.

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	1,846,919	53,604	100	465,051	8,513	-	2,374,187
2. Wire and cable ...	192,354	-	-	861	151,886	-	345,101
3. Footwear (includ- ing heels, soles, etc.)	509,738	-	179	-	5,513	8,623	524,053
4. Other products ...	842,158	106,680	13,352	13,857	127,515	15,043	1,118,605
TOTAL	3,391,169	160,284	13,631	479,769	293,427	23,666	4,361,946

Table 10 (b). - Consumption of Synthetic Rubber, by Types and by End Product Classification, July 1950.

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	1,978,193	54,609	-	557,931	3,955	-	2,594,688
2. Wire and cable.	110,798	-	-	598	55,600	-	166,996
3. Footwear (includ- ing heels, soles, etc.)	364,677	-	-	-	2,330	3,454	370,461
4. Other products .	431,525	87,497	7,791	10,676	86,511	14,250	638,250
TOTAL	2,885,193	142,106	7,791	569,205	148,396	17,704	3,770,395



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CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section D. Reclaim Rubber

Table 11 gives the consumption of Reclaim in total for the years 1939-1949 with monthly averages for each year and showing percentage of reclaim to all rubber consumed. Consumption of Reclaim, in total only, by end product classification is given in Table 12 by months, August 1949 to August 1950. Of the 2,184,527 pounds consumed in August 1950, 112,883 pounds were consumed in the form of dispersions and 2,071,644 pounds as other than dispersions. 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, 1939-1949, 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 in Total, by End Products, and by Months, August 1949 to August 1950, showing also percentage of Reclaim to All Rubber Consumed.

Year and Month	Reclaim		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
1949 - August ..	1,684	17.2	756	21	201	706
September ..	2,157	17.1	1,065	19	206	867
October ..	2,213	17.2	935	16	241	1,021
November ..	2,009	16.0	972	16	220	801
December ..	2,326	17.3	1,090	19	202	1,015
1950 - January ..	2,357	17.0	1,204	23	189	941
February ..	2,399	16.8	1,186	17	198	998
March ...	2,552	16.9	1,204	23	238	1,087
April ...	2,374	17.1	1,151	15	184	1,024
May	2,541	17.3	1,277	20	192	1,052
June	2,765	17.4	1,310	23	238	1,194
July	2,380	16.7	1,218	8	221	933
August ..	2,185	16.2	963	16	216	990