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INDEX NUMBERS OF CAR LOADINGS

1931 - 1935

In November 1931 the Bureau issued for the first time index numbers of weekly car loadings, using the average of 1926 as 100 and adjusting for seasonal variations as experienced during the seven years, 1924-1930. The basis has remained the same up to date, but conditions change and adjustments should be made for such changes. For this reason the Bureau has computed a second series of index numbers still using the average of 1926 as 100, but basing the seasonal adjustments on the records for the eleven years, 1924-1934.

The first series was computed by dividing the sum of the loadings for the corresponding weeks of each of the seven years, 1924-1930, by the total loadings for the seven years divided by 52 and dividing these by the average weekly loading in 1926. The second series was computed by the so called link relative method. Where the loadings in any one week were abnormally high or low the ratios of both that week to its predecessor and of the following week were out of line and obviously needed adjustment. This was accomplished by giving the week being adjusted a weight of two and the other week a weight of one and dividing the sum by three. Thanksgiving holiday occurred for the first time in the 41st week in 1932. Consequently, data for 1932, 1933 and 1934 only could be used for this week and for the following week.

Curves were plotted for index numbers for 1934 total loadings computed on both bases and they were remarkably close together except for the weeks containing the holidays Good Friday and Thanksgiving for which adjustment in the first series was difficult. In both series adjustments were necessary where national holidays fell in different weeks during the eleven years.

The index numbers for 1936 and corresponding data for 1935 will be based on the second method and the divisors for the fifty-two weeks which will be used are shown on page 4.

It is not feasible at present to recompute a second series for each of the eleven commodity groups, nor do the results for the totals indicate the necessity and index numbers for these will be carried forward on the first basis.

The index numbers for total loadings in the eastern and western divisions and for Canada and the total of merchandise loadings computed on the second basis for the years 1931-1935 are shown on pages 2 and 3.

## INDEX NUMBERS OF CAR LOADINGS (Average, 1926 = 100)

## TOTAL FOR CANADA

## WESTERN DIVISION

Week	1931	1932	1933	1934	1935	1931	1932	1933	1934	1935
1.	78.73	84.00	58.01	74.43	73.46	78.09	84.99	60.51	74.48	78.33
2.	80.37	72.73	59.64	75.66	74.57	77.08	68.79	62.65	72.07	72.88
3.	83.75	71.56	58.57	72.48	72.51	79.36	71.85	64.76	71.67	68.59
4.	85.65	73.54	56.55	72.26	76.28	81.63	75.33	60.45	71.72	73.87
5.	83.60	71.01	56.59	70.13	81.62	77.99	73.57	59.55	72.00	87.25
6.	82.66	72.28	54.03	71.47	79.01	76.65	75.61	54.45	71.64	78.91
7.	82.53	73.19	61.65	70.36	77.83	79.11	78.25	68.43	68.19	78.27
8.	81.56	74.66	58.32	71.25	77.35	79.50	81.13	68.10	71.22	80.55
9.	80.65	70.63	57.77	71.95	74.36	76.07	68.79	66.17	71.08	80.10
10.	81.47	70.69	58.21	73.66	70.83	78.34	77.17	66.16	70.10	72.71
11.	80.25	71.83	59.73	73.19	72.17	76.30	82.40	70.74	70.49	75.53
12.	82.69	71.72	59.16	70.46	72.93	79.76	80.85	71.08	67.79	75.59
13.	84.11	70.45	58.86	71.43	73.22	83.21	77.90	66.71	72.26	77.02
14.	86.47	72.06	56.30	70.81	76.83	85.40	75.71	61.30	70.65	85.17
15.	85.67	71.70	56.97	71.82	74.72	84.95	81.97	61.39	77.72	85.71
16.	83.58	71.51	53.44	71.34	76.15	83.77	74.47	60.33	82.63	83.45
17.	85.88	71.18	61.46	73.59	71.94	85.60	73.31	64.96	76.80	74.54
18.	89.13	69.20	62.79	72.94	72.51	86.85	68.37	67.27	67.16	71.42
19.	82.01	72.19	60.11	72.49	63.33	79.25	76.33	66.25	68.58	65.34
20.	82.22	71.13	58.19	72.74	70.93	80.86	76.88	62.94	66.64	72.84
21.	83.65	71.09	57.75	70.51	73.28	90.67	77.28	61.76	62.98	72.15
22.	81.19	67.61	61.70	70.79	69.55	81.51	76.64	76.64	64.26	68.19
23.	79.91	69.88	65.30	68.67	70.11	85.06	81.48	82.71	61.09	68.45
24.	82.39	70.64	64.07	70.24	72.21	86.96	84.10	79.83	65.65	75.36
25.	82.67	62.50	63.33	70.66	69.30	88.37	73.02	75.98	70.90	70.32
26.	80.00	65.53	63.75	74.13	72.21	81.98	78.24	76.37	77.27	71.88
27.	78.67	62.06	64.31	72.17	71.97	77.52	67.12	67.09	72.36	74.02
28.	78.35	61.90	65.35	74.45	74.91	78.55	71.45	74.26	80.03	82.93
29.	79.16	60.69	64.34	73.85	74.75	80.24	63.23	72.52	78.49	82.07
30.	78.89	61.61	62.59	73.72	73.06	76.78	65.63	69.90	74.35	80.49
31.	77.83	61.47	63.93	71.37	70.55	76.33	65.51	68.43	69.38	71.79
32.	79.32	66.26	67.41	70.32	72.83	74.10	81.42	73.55	71.65	76.62
33.	77.76	64.83	70.60	71.26	70.47	77.43	82.18	85.26	74.07	74.02
34.	76.20	65.51	67.21	77.37	70.36	77.55	76.09	76.77	91.35	73.04
35.	74.74	63.32	69.46	80.65	72.25	72.07	69.21	73.02	95.95	78.05
36.	78.34	69.30	64.21	74.62	69.99	80.63	95.41	65.61	85.15	77.65
37.	73.92	77.15	66.18	74.42	75.52	73.13	103.59	68.40	83.93	85.14
38.	71.42	68.92	62.91	68.52	74.37	65.49	87.95	62.27	69.71	83.36
39.	65.84	67.79	67.02	66.13	72.96	58.03	82.94	68.33	64.87	81.50
40.	71.86	66.64	68.23	68.04	74.85	66.16	75.61	69.62	72.97	84.33
41.	79.50	65.01	69.91	71.66	80.05	76.26	70.38	71.73	81.34	84.76
42.	78.28	63.94	66.28	72.91	72.15	75.93	65.99	65.26	75.17	76.90
43.	77.05	58.35	61.86	69.24	70.95	81.07	60.74	58.66	70.37	71.88
44.	77.74	57.75	64.29	65.91	66.18	81.41	57.36	62.01	67.18	63.50
45.	78.97	58.10	62.25	66.11	67.39	81.48	58.82	61.49	65.12	67.29
46.	78.26	61.35	63.32	67.11	68.08	80.29	60.53	53.93	63.98	65.41
47.	73.53	59.86	61.54	66.04	67.75	70.22	57.71	52.87	64.98	67.46
48.	74.85	60.49	60.57	65.13	66.99	73.91	55.82	52.41	63.70	63.74
49.	75.24	57.83	60.26	66.07	67.36	73.22	55.86	54.09	66.20	61.57
50.	72.92	58.64	62.49	69.69	68.99	72.20	57.91	57.59	68.82	61.42
51.	74.67	55.63	62.39	72.00	72.94	73.89	56.46	56.57	72.84	69.13
52.	70.42	56.48	66.14	66.09	68.14	70.62	53.83	62.11	66.89	63.06



## INDEX NUMBERS OF CAR LOADINGS (Average, 1926 = 100)

EASTERN DIVISION							MERCHANDISE				
Week	1931	1932	1933	1934	1935		1931	1932	1933	1934	1935
1.	80.30	84.77	57.55	75.55	71.96		95.35	103.65	72.01	78.06	80.15
2.	83.16	75.79	58.60	78.56	76.37		96.82	89.06	75.27	83.05	83.24
3.	86.97	72.09	55.76	73.63	75.36		97.35	88.21	74.68	80.15	82.98
4.	88.25	73.04	54.85	72.97	78.00		97.85	87.27	74.50	80.37	77.60
5.	86.82	70.06	55.38	69.52	79.18		96.91	85.89	71.56	78.58	82.66
6.	85.81	70.72	53.91	71.49	79.19		98.74	86.37	69.16	78.90	82.14
7.	84.41	70.83	58.42	71.60	77.79		95.63	85.30	73.93	77.58	80.20
8.	83.20	72.08	54.01	71.82	76.39		97.56	85.14	72.50	79.37	80.09
9.	82.99	71.64	53.78	72.49	71.69		95.40	86.23	70.83	78.61	79.11
10.	83.34	67.84	54.59	75.71	70.22		97.19	83.20	70.66	78.69	78.14
11.	82.59	67.07	54.70	74.89	70.91		94.95	86.11	71.18	77.37	77.30
12.	84.48	66.46	53.76	72.07	72.01		95.20	83.24	70.01	77.03	77.00
13.	84.90	67.24	55.41	70.26	71.74		95.91	83.44	69.57	77.95	76.40
14.	87.49	70.77	54.28	71.31	73.35		94.63	83.10	70.91	76.81	76.60
15.	84.98	66.99	54.13	69.18	69.40		94.69	80.22	69.23	76.26	76.08
16.	83.35	69.99	57.67	73.24	71.69		94.00	82.61	70.04	76.87	78.15
17.	85.64	69.85	59.51	71.72	70.37		92.76	82.88	70.12	74.21	75.07
18.	88.71	68.43	59.64	74.43	71.80		94.07	80.83	69.82	74.45	75.07
19.	83.29	70.36	57.37	74.29	62.44		92.99	80.50	69.68	74.65	66.92
20.	82.80	68.49	56.02	75.46	70.04		91.26	79.98	69.97	74.02	75.52
21.	79.82	67.74	55.48	73.44	73.25		90.44	79.58	69.28	74.72	75.57
22.	80.87	63.22	54.54	73.70	70.25		92.71	78.43	68.54	74.29	73.81
23.	77.43	64.28	56.90	72.35	70.92		91.98	77.72	72.29	72.94	72.49
24.	80.13	64.12	56.44	72.40	70.64		90.99	77.57	70.91	71.09	72.76
25.	79.75	57.34	57.16	70.36	68.63		89.67	76.31	70.63	71.42	73.50
26.	79.24	59.61	57.89	72.80	72.55		88.20	79.23	70.82	74.60	73.78
27.	79.15	59.77	63.13	72.04	70.98		89.48	76.39	74.43	72.41	72.38
28.	77.81	57.21	60.94	71.50	70.84		85.21	75.83	71.32	74.50	71.70
29.	78.12	59.14	60.27	71.27	70.98		87.26	76.55	72.55	74.89	74.55
30.	79.28	59.45	59.00	72.95	69.35		87.61	75.98	70.53	76.08	73.25
31.	77.91	58.52	61.44	71.72	69.47		85.28	74.59	71.30	74.92	73.67
32.	78.91	59.02	63.40	68.49	69.81		86.04	78.34	70.08	75.01	73.50
33.	78.03	56.71	63.77	70.03	68.90		85.01	75.77	72.22	73.95	73.50
34.	74.90	59.66	61.86	69.73	68.44		85.16	77.13	71.46	75.91	72.91
35.	74.91	59.02	66.33	70.94	67.86		82.86	76.61	72.49	75.10	75.16
36.	78.33	54.19	64.50	69.38	66.46		84.57	75.62	70.93	74.59	75.42
37.	75.93	59.18	66.16	70.03	71.08		86.02	77.00	71.30	73.66	75.55
38.	77.48	58.36	65.22	69.78	70.63		84.22	78.70	71.46	76.38	75.13
39.	72.35	58.91	67.46	68.28	68.64		84.83	78.13	72.75	75.80	78.13
40.	76.73	61.30	68.15	65.51	69.23		86.17	78.63	73.83	75.62	75.45
41.	79.75	62.37	69.83	66.13	74.82		102.41	74.50	71.40	74.04	90.35
42.	67.55	61.53	65.91	70.22	67.80		74.59	78.06	73.45	76.59	75.84
43.	74.77	57.08	64.53	68.92	70.79		85.52	77.98	73.25	76.74	75.09
44.	75.81	58.46	66.35	65.54	68.53		88.93	76.22	73.12	73.95	77.17
45.	77.85	58.15	63.39	67.34	68.00		87.41	70.98	68.82	76.68	77.31
46.	77.78	62.59	70.58	70.03	70.80		92.17	75.20	75.26	75.17	81.30
47.	76.86	62.17	68.44	67.69	68.88		87.96	74.54	71.92	76.56	78.70
48.	75.77	63.85	66.29	66.33	69.42		88.91	75.71	71.79	76.46	77.32
49.	76.71	59.23	64.40	66.13	72.91		87.49	73.51	73.70	74.33	77.20
50.	74.25	59.81	66.39	71.07	74.67		88.00	74.98	73.27	76.46	78.42
51.	75.13	55.14	65.82	71.51	75.17		90.83	71.69	69.45	77.58	80.22
52.	70.63	58.25	68.74	65.93	71.33		86.31	72.89	70.91	72.32	72.95



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DIVISORS FOR COMPUTING INDEX NUMBERS

Week	Total for Canada	Western Division	Eastern Division	Merchandise
1.	46,169	16,059	29,651	12,149
2.	54,702	19,703	34,608	14,257
3.	56,254	19,760	36,143	14,509
4.	55,591	18,973	36,402	14,774
5.	56,385	18,812	37,395	14,826
6.	56,804	18,942	37,800	15,054
7.	58,200	19,266	38,849	15,391
8.	58,193	18,980	38,909	15,330
9.	59,219	19,324	39,833	15,767
10.	59,048	19,264	39,614	16,269
11.	60,081	19,562	40,307	16,289
12.	60,056	19,341	40,521	16,820
13.	58,753	18,807	39,772	17,092
14.	57,494	18,380	38,881	17,370
15.	52,902	17,380	35,961	15,620
16.	58,296	18,710	39,655	17,499
17.	58,653	19,149	39,675	17,696
18.	59,574	19,240	41,023	17,682
19.	60,639	18,852	41,769	17,455
20.	61,410	19,132	42,299	17,301
21.	56,040	17,691	38,634	15,067
22.	63,026	20,184	42,935	17,167
23.	62,518	20,363	42,149	17,005
24.	63,327	20,572	42,785	17,033
25.	62,888	20,281	42,716	16,997
26.	62,926	20,477	42,340	17,100
27.	55,351	17,506	37,868	15,049
28.	60,965	19,103	42,101	17,105
29.	60,595	18,710	42,182	16,889
30.	59,323	18,051	41,550	17,018
31.	59,091	18,280	41,121	16,955
32.	57,325	18,344	39,671	16,099
33.	61,159	19,641	41,457	17,015
34.	62,324	20,912	41,757	17,097
35.	65,576	23,380	42,931	17,552
36.	63,897	24,349	38,840	15,265
37.	71,972	27,243	43,834	17,710
38.	75,324	29,511	44,482	17,651
39.	76,433	30,395	45,155	17,630
40.	77,974	31,602	45,778	17,682
41.	73,169	30,252	44,012	15,077
42.	78,006	31,730	47,026	17,491
43.	80,017	32,793	46,904	17,450
44.	78,845	32,005	46,483	17,475
45.	77,492	31,838	45,284	17,267
46.	71,509	29,458	41,546	15,335
47.	72,298	29,491	42,230	16,940
48.	69,880	28,048	41,680	16,606
49.	65,714	25,818	39,812	16,573
50.	62,230	24,188	37,597	16,132
51.	57,099	21,181	35,920	15,548
52.	44,388	16,035	28,225	12,481