13. BUSINESS FINANCE

[Foreign Exchange Rates—Interest Rates—Insurance—Capital Issues—Stock Exchange Transactions—Wholesale and Retail Trade—Commercial Failures]

No. 307.—FOREIGN EXCHANGE RATES ON CABLE TRANSFERS, NEW YORK

Country	Monetary unit	Mint par	Yearly average rate in dollars							
			1922	1923	1924	1925	1926	1927	1928	1929
North America:		*Dollars*								
Canada	Dollar	1.0000	0.9848	0.9804	0.9873	0.9996	0.9999	0.9997	0.9991	0.9925
Cuba	Peso	1.0000	.9985	.9995	.9998	.9994	.9993	.9997	.9996	.9996
Mexico	do	.4985	.4872	.4855	.4851	.4939	.4831	.4720	.4811	.4818
South America:										
Argentina	Peso (gold)	.9648	.8182	.7857	.7813	.9138	.9215	.9630	.9648	.9513
Brazil	Milreis	[1] .1196	.1295	.1023	.1094	.1220	.1444	.1184	.1197	.1181
Chile	Peso [2]	[2] .1217	.1222	.1224	.1054	.1160	.1208	.1207	.1215	.1206
Colombia [3]	do	.9733	.9239	.9518	.9917	.9835	.9845	.9769	.9769	.9655
Peru [3]	Libra	4.8665	3.8600	4.1100	4.0500	4.0210	3.7410	3.7377	3.9705	3.9998
Uruguay	Peso	1.0342	.7940	.7906	.8227	.9840	1.0147	1.0134	1.0266	.9863
Venezuela [3]	Bolivar	.1930	.1838	.1894	.1923	.1929	.1926	.1898	.1925	.1930
Europe:										
Austria [4]	Schilling [4]	.1407	[4] .000098	[4] .00001	[4] .00001	.1406	.1407	.1408	.1407	.1406
Belgium	Belga [5]	[5] .1390	[5] .07683	[5] .05219	[5] .04644	[5] .04758	[5] .03265	.1392	.1393	.1391
Bulgaria	Lev	[6] .0072	.00688	.00884	.00728	.00732	.00721	.00724	.00721	.00722
Czechoslovakia	Koruna [7]	[7] .0296	.02415	.02955	.02954	.02966	.02962	.02962	.02963	.02961
Denmark	Krone	.2680	.2095	.1836	.1672	.2113	.2623	.2673	.2674	.2668
Finland	Markka	[8] .0252	.02163	.02683	.02508	.02522	.02521	.02520	.02517	.02516
France	Franc	[9] .0392	.08201	.06081	.05237	.04767	.03243	.03924	.03921	.03916
Germany	Reichsmark [10]	.2382	.00232	.00002	(10)	.2380	.2380	.2376	.2386	.2381
Greece	Drachma	[11] .0130	.03306	.01714	.01790	.01561	.01258	.01317	.01304	.01293
Hungary	Pengo [12]	.1749	[12] .00091	[12] .00016	[12] .00002	[12] .00001	.1756	.1747	.1744	.1744
Italy	Lira	[13] .0526	.04756	.04602	.04358	.03978	.03889	.05156	.05257	.05233
Netherlands	Florin	.4020	.3850	.3910	.3821	.4016	.4010	.4011	.4022	.4016
Norway	Krone	.2680	.1750	.1667	.1394	.1788	.2233	.2605	.2669	.2668
Poland	Zloty [14]	[14] .1122	.000188	.000014	(14)	.1774	.1118	.1129	.1121	.1119
Portugal	Escudo	1.0805	.06670	.04253	.03385	.05040	.05125	.05029	.04468	.04471
Rumania	Leu	[15] .0060	.00697	.00494	.00498	.00483	.00462	.00604	.00613	.00596
Spain	Peseta	.1930	.1548	.1445	.1334	.1434	.1490	.1706	.1659	.1468
Sweden	Krona	.2680	.2617	.2655	.2652	.2685	.2676	.2681	.2680	.2678
Switzerland	Franc	.1930	.1907	.1806	.1822	.1933	.1931	.1926	.1926	.1928
United Kingdom.	Pound	4.8665	4.4292	4.5748	4.4171	4.8289	4.8582	4.8610	4.8662	4.8569
Yugoslavia	Dinar	.1930	.01352	.01072	.01282	.01705	.01765	.01760	.01760	.01750
Asia:										
Hong Kong	Dollar	(16)	.5571	.5290	.5247	.5652	.5333	.4921	.5007	.4717
China	Shanghai tael	(16)	.7493	.7202	.7268	.7577	.6842	.6210	.6430	.5842
Do	Mexican dollar	(16)	.5463	.5202	.5236	.5555	.4992	.4503	.4647	.4215
Do	Haikwan tael [3]	(16)	.83	.80	.81	.84	.76	.69	.71	.64
Do	Yuan dollar	(16)	.5561	.5262	.5270	.5691	.4998	.4394	.4614	.4190
India	Rupee	.3650	.2874	.3111	.3178	.3626	.3633	.3631	.3647	.3620
Japan	Yen	.4985	.4780	.4858	.4119	.4104	.4712	.4741	.4641	.4610
Malaya (British).	Straits Settlements dollar.	.5678	.5350	.5125	.5615	.5627	.5605	.5628	.5601	.5601

[1] Parity of the milreis was established at 11.96 cents by laws of Dec. 18, 1926, and Jan. 5, 1927.

[2] Quotations prior to 1926 are for the paper peso (1913 average, 19.53 cents). Beginning 1926, the currency was reestablished on a gold basis, the peso being devaluated to 12.17 cents.

[3] Data for 1922 to 1925 for Colombia, Peru, and Venezuela and for all years for the haikwan tael, China, compiled by the Bureau of Foreign and Domestic Commerce from publications of the individual countries.

[4] Quotations for 1922 to 1924 are for the krone, par 20.26 cents.

[5] Quotations prior to 1927 are for the franc (par 19.3 cents). The belga, which is equal to 5 francs, superseded the Belgian franc Oct. 26, 1926, and was quoted at par during November and December, 1926.

[6] The lev was stabilized at 0.72 cents Nov. 22, 1928; former par value, 19.3 cents.

[7] Nominal par value, 20.26 cents. Stabilized in March, 1925, at 2.96 cents.

[8] Pre-war par of the markka, 19.3 cents. In 1926 it was devaluated to a new gold parity of 2.52 cents.

[9] In June, 1928, the currency was reestablished on a gold basis and the new parity of the franc fixed at 3.9179 cents. The former parity was 19.3 cents.

[10] Prior to 1924 quotations are for paper marks. Average for 1 trillion marks Jan. 1 to Oct. 28, 1924, 23 cents; for the reichsmark, Oct. 29 to Dec. 31, 1924, 23.80 cents.

[11] In May, 1928, the drachma was reestablished on a gold basis and stabilized at a new parity of 1.30 cents; former parity, 19.3 cents.

[12] Prior to 1926 quotations are for the paper krone (par 20.26 cents). On Jan. 1, 1926, this was superseded by the pengo, valued at 17.49 cents and exchangeable for 12,500 paper kronen.

[13] In December, 1927, the lira was stabilized at 5.26 cents. The former par value was 19.3 cents.

[14] Prior to 1924 quotations are for Polish marks, par 23.82 cents; thereafter for the zloty. The average rate for January to May, 1924, was 11.3 cents per million marks; for June to December, 19.23 cents for 1 zloty. The par value of the zloty when adopted as the currency unit in 1924 was fixed at 19.3 cents, but in October, 1927, it was stabilized at 11.22.

[15] In February, 1929, the leu was stabilized at 0.598 cent. The former par value was 19.3 cents.

[16] Par varies with the price of silver.

Source: Federal Reserve Board, except as noted.

No. 308.—FOREIGN EXCHANGE RATES, NEW YORK, BY MONTHS

NOTE.—For par of exchange of monetary units and yearly average rate see Table 307

	Canada (dollar)	Mexico (peso)	Argentina (peso)	Brazil (milreis)	Chile (peso) [1]	Belgium (belga) [2]	France (franc)	German (reichsmark) [3]
	Dollars	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollar*
1920:								
March	0.8338	--------	0.9841	0.2650	0.2140	0.0746	0.0719	0.0126
June	.8819	--------	.9610	.2510	.1899	.0830	.0792	.0256
September	.9037	--------	.8457	.1829	.1679	.0716	.0674	.0172
December	.8632	--------	.7873	.1525	.1422	.0624	.0592	.0137
1921:								
March	.8781	--------	.7820	.1513	.1476	.0735	.0703	.0160
June	.8876	--------	.6986	.1165	.1086	.0803	.0807	.0144
September	.8985	0.4860	.6963	.1237	.1071	.0717	.0728	.0096
December	.9277	.4842	.7480	.1267	.1078	.0754	.0784	.0053
1922:								
March	.9686	.4929	.8278	.1367	.1141	.0843	.0900	.0036
June	.9884	.4848	.8186	.1372	.1264	.0822	.0876	.0032
September	.9993	.4830	.8108	.1254	.1373	.0723	.0766	.00068
December	.9945	.4845	.8557	.1195	.1241	.0664	.0723	.00014
1923:								
March	.9806	.4886	.8415	.1109	.1267	.0548	.0632	.00005
June	.9766	.4837	.8047	.1043	.1340	.0540	.0630	.000010
September	.9765	.4857	.7485	.0973	.1238	.0490	.0586	[4] .0188
December	.9759	.4850	.7233	.0934	.1066	.0458	.0525	[5] .000227
1924:								
March	.9696	.4823	.7655	.1145	.0977	.0387	.0468	[5] .000220
June	.9844	.4822	.7389	.1075	.1060	.0456	.0525	[5] .000234
September	.9994	.4898	.8003	.1009	.1044	.0494	.0530	[5] .000238
December	.9965	.4881	.8832	.1151	.1133	.0497	.0540	.2380
1925:								
March	.9987	.4974	.8971	.1104	.1110	.0507	.0518	.2380
June	1.0000	.4966	.9133	.1089	.1132	.0470	.0477	.2380
September	.9999	.4935	.9171	.1352	.1202	.0440	.0471	.2380
December	.9996	.4875	.9421	.1417	.1216	.0453	.0374	.2381
1926:								
March	.9963	.4856	.9033	.1449	.1208	.0423	.0358	.2380
June	1.0010	.4885	.9166	.1552	.1204	.0296	.0294	.2380
September	1.0014	.4873	.9220	.1519	.1213	.0272	.0285	.2381
December	.9993	.4667	.9328	.1185	.1204	.1391	.0395	.2380
1927:								
March	.9990	.4701	.9598	.1185	.1200	.1390	.0391	.2371
June	.9994	.4642	.9644	.1180	.1202	.1389	.0392	.2369
September	1.0005	.4772	.9712	.1186	.1207	.1392	.0392	.2380
December	.9990	.4845	.9723	.1197	.1221	.1399	.0394	.2389
1928:								
January	.9982	.4869	.9711	.1200	.1221	.1394	.0393	.2383
February	.9981	.4867	.9714	.1201	.1221	.1392	.0393	.2386
March	1.0000	.4874	.9725	.1203	.1221	.1394	.0393	.2390
April	1.0003	.4874	.9719	.1203	.1220	.1396	.0394	.2392
May	.9991	.4856	.9720	.1203	.1219	.1396	.0394	.2393
June	.9976	.4783	.9694	.1199	.1220	.1396	.0393	.2390
July	.9979	.4729	.9614	.1194	.1214	.1394	.0392	.2386
August	1.0000	.4749	.9590	.1194	.1208	.1391	.0391	.2383
September	1.0004	.4785	.9566	.1193	.1209	.1390	.0391	.2383
October	.9997	.4757	.9559	.1195	.1208	.1390	.0391	.2381
November	1.0000	.4789	.9582	.1194	.1206	.1390	.0391	.2382
December	.9979	.4798	.9575	.1189	.1207	.1391	.0391	.2383
1929:								
January	.9975	.4837	.9576	.1192	.1206	.1390	.0391	.2377
February	.9964	.4846	.9577	.1192	.1205	.1389	.0391	.2373
March	.9940	.4805	.9556	.1182	.1206	.1388	.0391	.2372
April	.9924	.4824	.9556	.1183	.1206	.1388	.0391	.2370
May	.9930	.4797	.9552	.1186	.1204	.1388	.0391	.2376
June	.9916	.4785	.9528	.1186	.1204	.1388	.0391	.2384
July	.9948	.4809	.9537	.1186	.1204	.1389	.0392	.2383
August	.9944	.4857	.9539	.1186	.1206	.1390	.0391	.2381
September	.9924	.4843	.9534	.1186	.1206	.1390	.0391	.2381
October	.9883	.4816	.9500	.1187	.1207	.1396	.0393	.2387
November	.9838	.4801	.9392	.1175	.1208	.1399	.0394	.2392
December	.9907	.4801	.9300	.1129	.1209	.1400	.0394	.2394

[1] See note 2, Table 307.
[2] Quotations prior to November, 1926, are for the franc. (See note 5, Table 307.)
[3] Quotations prior to December, 1924, are for paper marks, par $0.2382.
[4] Per million marks.
[5] Per billion marks.

No. 308.—Foreign Exchange Rates, New York, by Months—Continued

	United Kingdom (pound)	Italy (lira)	Netherlands (florin)	Spain (peseta)	Sweden (krona)	China, (Shanghai tael)	India (rupee)	Japan (yen)	Straits Settlements (Singapore dollar)
	Dollars	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollars*	*Dollar*	*Dollar*	*Dollar*
1920:									
March	3.7258	0.0532	0.3679	0.1760	0.2037	1.4870	0.4780	0.4751	--------
June	3.9498	.0591	.3614	.1656	.2183	1.0605	.4100	.5141	--------
September	3.5103	.0434	.3169	.1476	.2021	1.0690	.3361	.5141	--------
December	3.4924	.0349	.3095	.1307	.1959	.7883	.2690	.5035	--------
1921:									
March	3.9111	.0385	.3440	.1397	.2283	.6423	.2595	.4859	--------
June	3.7815	.0498	.3328	.1308	.2256	.6635	.2455	.4797	--------
September	3.7240	.0420	.3166	.1302	.2178	.7300	.2639	.4820	0.4246
December	4.1561	.0444	.3631	.1465	.2453	.7532	.2745	.4792	.4686
1922:									
March	4.3757	.0511	.3785	.1565	.2616	.7075	.2782	.4735	.4953
June	4.4519	.0496	.3871	.1569	.2581	.7903	.2891	.4775	.5114
September	4.4307	.0427	.3879	.1530	.2646	.7701	.2874	.4810	.5164
December	4.6098	.0503	.3984	.1564	.2695	.7104	.3065	.4885	.5301
1923:									
March	4.6957	.0486	.3949	.1547	.2660	.7553	.3157	.4846	.5481
June	4.6147	.0457	.3920	.1492	.2656	.7217	.3099	.4905	.5385
September	4.5422	.0444	.3930	.1358	.2655	.7079	.3060	.4862	.5319
December	4.3601	.0434	.3804	.1304	.2633	.7225	.3101	.4701	.5085
1924:									
March	4.2906	.0428	.3707	.1273	.2629	.7000	.2986	.4290	.5028
June	4.3199	.0433	.3744	.1346	.2654	.7137	.3049	.4108	.5019
September	4.4605	.0438	.3845	.1324	.2660	.7527	.3252	.4060	.5151
December	4.6958	.0430	.4042	.1396	.2695	.7547	.3529	.3844	.5399
1925:									
March	4,7763	.0407	.3992	.1422	.2695	.7336	.3567	.4097	.5510
June	4.8604	.0383	.4014	.1457	.2676	.7609	.3648	.4083	.5658
September	4.8465	.0406	.4021	.1439	.2682	.7847	.3663	.4075	.5659
December	4.8498	.0403	.4019	.1418	.2679	.7568	.3604	.4319	.5663
1926:									
March	4.8608	.0402	.4007	.1409	.2681	.7271	.3658	.4539	.5663
June	4.8661	.0366	.4018	.1576	.2680	.7217	.3629	.4685	.5621
September	4.8542	.0367	.4007	.1522	.2675	.6660	.3633	.4840	.5607
December	4.8512	.0444	.3999	.1524	.2672	.5897	.3605	.4894	.5594
1927:									
March	4.8540	.0451	.4001	.1741	.2675	.6050	.3630	.4914	.5596
June	4.8561	.0558	.4005	.1720	.2678	.6274	.3620	.4669	.5598
September	4.8635	.0544	.4008	.1715	.2688	.6121	.3634	.4682	.5599
December	4.8825	.0538	.4044	.1666	.2700	.6379	.3674	.4619	.5673
1928:									
January	4.8753	.0529	.4033	.1710	.2688	.6375	.3672	.4688	.5677
February	4.8748	.0529	.4026	.1698	.2684	.6311	.3652	.4687	.5670
March	4.8799	.0528	.4025	.1682	.2684	.6305	.3653	.4715	.5635
April	4.8820	.0528	.4031	.1676	.2685	.6325	.3656	.4771	.5625
May	4.8816	.0527	.4035	.1673	.2683	.6645	.3659	.4661	.5614
June	4.8803	.0526	.4033	.1657	.2683	.6623	.3646	.4661	.5614
July	4.8636	.0524	.4025	.1648	.2678	.6523	.3626	.4585	.5604
August	4.8535	.0523	.4011	.1661	.2676	.6500	.3625	.4505	.5598
September	4.8505	.0523	.4009	.1653	.2676	.6369	.3633	.4578	.5607
October	4.8495	.0524	.4009	.1618	.2674	.6404	.3645	.4620	.5634
November	4.8492	.0524	.4014	.1612	.2673	.6400	.3646	.4635	.5644
December	4.8524	.0524	.4017	.1623	.2676	.6355	.3647	.4589	.5625
1929:									
January	4.8499	.0523	.4011	.1630	.2674	.6312	.3645	.4551	.5600
February	4.8521	.0523	.4005	.1556	.2673	.6220	.3636	.4521	.5597
March	4.8526	.0524	.4005	.1507	.2671	.6223	.3636	.4452	.5608
April	4.8532	.0524	.4014	.1475	.2671	.6125	.3631	.4462	.5596
May	4.8508	0524	.4020	.1422	.2672	.5962	.3618	.4465	.5598
June	4.8482	.0523	.4015	.1413	.2676	.5777	.3603	.4388	.5593
July	4.8510	.0523	.4014	.1451	.2680	.5784	.3597	.4556	.5588
August	4.8485	.0523	.4006	.1467	.2679	.5769	.3597	.4669	.5587
September	4.8482	.0523	.4009	.1476	.2678	.5604	.3603	.4727	.5599
October	4.8699	.0524	.4025	.1450	.2684	.5477	.3616	.4776	.5622
November	4.8775	.0524	.4035	.1399	.2687	.5472	.3625	.4873	.5621
December	4.8816	.0524	.4036	.1378	.2696	.5368	.3636	.4896	.5607

Source: The Federal Reserve Board.

No. 309.—INTEREST AND ACCEPTANCE RATES: Call Money, Time Loans and Acceptances, New York

Note.—Rates shown are the range (low and high) for the quarter or month based on weeks ending Saturday in the case of call money and time loans, and weeks ending various days in the case of acceptances, a week falling in 2 months being included in the month having the greater number of days; thus, week ending Feb. 2 would be included in January

Year, quarter, and month	Call money	Time loans: 60 to 90 days [1]	Time loans: Six months	Bankers' acceptances (90 days)
1913				
Jan.-Mar.	2 - 6	3¼- 6	4 -6	--------
Apr.-June	1 - 7	3½- 5	4 -6	--------
July-Sept.	1½- 4½	2¾- 5	4½-6	--------
Oct.-Dec.	2½-10	4½- 6	4½-5¼	--------
1914				
Jan.-Mar.	1½-10	2½- 5	3 -5	--------
Apr.-June	1½- 2	2 - 3¼	2¾-3¾	--------
July-Sept.	1½-10	2¼-10	3¼-8	--------
Oct.-Dec.	2¼- 8	3½-10	3¾-7	--------
1915				
Jan.-Mar.	1¾- 3	2¼- 4½	3 -4	--------
Apr.-June	1 - 2½	2¼- 3¼	2¾-3½	--------
July-Sept.	1½- 2	2½- 3¼	3 -3¾	--------
Oct.-Dec.	1½- 2½	2¼- 3	3¾-3½	--------
1916				
Jan.-Mar.	1¾- 3	2½- 3¼	2¾-3½	--------
Apr.-June	1½- 4	1¾- 4	3 -4	--------
July-Sept.	2 - 6	2½- 4	3½-5	--------
Oct.-Dec.	1¾-15	2¾- 4¾	3¼-4½	--------
1917				
Jan.-Mar.	1½- 3¼	2½- 4½	2¾-5	--------
Apr.-June	2 - 6	2¾- 6	4 -6	--------
July-Sept.	1½-10	3¾- 6	4¼-6	--------
Oct.-Dec.	2 - 6	5 - 6	5 -6	3¼-3⅝
1918				
Jan.-Mar.	2 - 7½	5¼- 6	5½-6	3⅞-4⅜
Apr.-June	2 - 6	5¼- 6	5¾-6	4¼-4⅜
July-Sept.	3½- 6	5¼- 6	5¾-6	4¼-4¾
Oct.-Dec.	3½- 6	5 - 6	5¼-6	4¼-4⅜
1919				
Jan.-Mar.	2¾- 7	5 - 5¾	5¼-5¾	4¼-4 5/16
Apr.-June	3¼-15	5¼- 6	5 -6	4¼-4 5/16
July-Sept.	3 -20	5¾- 8	5¾-8	4¼-5⅜
Oct.-Dec.	2 -30	5¾- 8	5¾-8	4¼-5⅛
1920				
Jan.-Mar.	3 -25	7 -10	7 -9	5 -6⅞
Apr.-June	6 -15	8 - 9	7½-9	5⅞-6½
July-Sept.	5 -20	6 - 9	6 -9	6¼-6½
Oct.-Dec.	5 -16	6 - 8¼	6 -8½	3⅜-6⅜
1921				
Jan.-Mar.	6 - 9	6 - 7½	6 -8	5¾-6⅛
Apr.-June	5 - 8	6 - 7	6 -7¼	5¼-6
July-Sept.	3½- 6½	5 - 6¼	3¾-6¼	4¾-5½
Oct.-Dec.	4 - 6	4¾- 5½	4¾-5¾	4⅛-4¾
1922				
January	3 -6	4½-5	4½-5	3¾-4⅛
February	4 -6	4¾-5	4¾-5¼	4 -4⅛
March	3 -5½	4½-5	4½-5	3½-4⅛
April	3½-5	4¼-4½	4¼-4½	3¼-3⅝
May	3 -5	4 -4½	4¼-4¾	3⅛-3¼
June	2¾-5½	3½-4¼	3½-4½	3 -3⅜
July	3¾-5	3¾-4¼	3¾-4½	3 -3⅛
August	3 -5	3¾-4½	4 -4¾	3 -3⅛
September	3½-6	4¼-4¾	4½-5	3 -3⅝
October	4 -6	4¾-5	4¾-5	3½-4⅛
November	3½-6	4¾-5	5	4 -4¼
December	3¾-6	4¾-5	4¾-5	4 -4⅛
1923				
January	3½-5½	4½-5	4½-5	--------
February	4 -6	4¾-5¼	4¾-5¼	4 -4⅛
March	4½-6	5 -5½	5 -5½	4 -4⅛
April	4 -6	5¼-5¾	5¼-5¾	4 -4⅛
May	4 -6	5 -5¼	5 -5½	4 -4⅜
June	4 -6	4¾-5¼	5 -5¼	4⅛-4¼
July	4 -6	5 -5¼	5 -5¼	4⅛-4¼
August	4 -6	5 -5½	5 -5½	4⅛-4¼
September	3½-6	5½-5¾	5½-5¾	4⅛-4¼
October	4 -6	5 -5½	5 -5½	4⅛-4¼
November	4½-5½	5 -5¼	5 -5¼	4⅛-4¼
December	4½-6	5 -5¼	5 -5¼	4⅛-4¼
1924				
January	3¾-5¾	4½-5	4½-5	4 -4¼
February	4 -5½	4½-5	4½-5	4 -4¼
March	2½-5½	4 -5	4½-5	3⅞-4¼
April	3½-5½	4¼-4¾	4½-4¾	4 -4⅛
May	2¾-4½	3¾-4¼	4 -4½	3 -3⅜
June	2 -3	2¾-4	3¼-4¼	2 -2⅞
July	2 -3	2½-3	3¼-3½	2 -2⅛
August	2	2 -3	3 -3½	2 -2⅜
September	2 -3	2¼-3¼	3 -3½	2⅛-2⅜
October	2 -3	2¼-3	3 -3½	2⅛-2⅜
November	2 -4	2¾-3½	3 -3¾	2¼-2⅝
December	2½-5	3¼-3¾	3½-4	2⅞-3⅛
1925				
January	2 -5	3½-3¾	3¾-4	3 -3⅛
February	3 -5	3½-4	3¾-4¼	3 -3⅜
March	3½-5	3¾-4¼	4¼-4½	3¼-3⅜
April	3½-5	3¾-4¼	4 -4½	3⅛-3⅜
May	3½-4	3¾-4	3¾-4	3½-3⅜
June	3¾-5	3¾-4	3¾-4	3¼-3⅜
July	3½-6	3¾-4¼	4 -4½	3¼-3⅜
August	3¾-4½	4⅛-4⅜	4⅛-4¾	3¼-3⅜
September	3½-6	4¼-4½	4½-4¾	3½-3⅝
October	4 -5½	4½-5	4¾-5	3½-3⅝
November	4½-5	4¾-5	5	3½-3⅝
December	4½-6	3½-5	3¾-5	3½-3⅝
1926				
January	4 -6	4½-5	4½-5	3½-3⅞
February	4 -5½	4½-5	4½-5	3¾-3⅞
March	4 -5½	4½-5	4½-5	3¾-3⅞
April	3 -5½	4 -4⅝	4 -4⅝	3½-3¾
May	3 -4½	4	4 -4¼	3½-3½
June	3½-5	4 -4¼	4 -4½	3½-3½
July	4 -5	4¼-4½	4¼-4¾	3⅜-3½
August	4 -5	4⅜-5	4½-5¼	3⅜-4
September	4½-6	4⅞-5¼	5 -5¼	3⅞-4
October	4 -5½	4¾-5¼	4¾-5¼	3⅞-4
November	4¼-5	4½-4⅞	4⅜-4⅞	3¾-4
December	4½-6	4⅝-4¾	4⅝-4¾	3¾-4
1927				
January	4 -5	4½-4⅝	4½-4⅝	3⅝-3⅞
February	3¾-5	4⅜-4½	4⅜-4½	3⅜-3⅞
March	3½-4½	4⅜-4½	4⅜-4½	3⅝-3¾
April	4 -5	4⅜-4½	4⅜-4½	3⅝-3¾
May	4 -4½	4¼-4½	4⅜-4½	3⅝-3¾
June	4 -5	4⅜-4⅝	4⅜-4⅝	3⅝-3¾
July	3½-4½	4⅛-4⅝	4⅜-4⅝	3⅛-3⅞
August	3½-4	3¾-4⅜	4⅛-4½	3⅛-3¼
September	3½-4½	3¾-4⅛	4¼-4½	3⅛-3¼
October	3½-4½	4 -4¼	4¼-4⅜	3¼-3⅜
November	3½-4½	4 -4¼	4 -4½	3¼-3⅜
December	4 -5½	4⅛-4¼	4⅛-4¼	3¼-3⅝

[1] For the week ended Jan. 14, 1918, to the week ended May 12, 1919, time loans were for 30 to 90 days, and from the latter date to the week ended Oct. 13, 1919, time on loans not specified.

Source: Call money and time loans, 1913, from the financial editors, New York Times; thereafter, The Annalist; acceptance rates, Acceptance Bulletin of the American Acceptance Council.

No. 310.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS, AND ACCEPTANCES, NEW YORK, WEEKLY RANGE

NOTE.—Rates shown are the range, low and high, for weeks ending on date shown in the stub

Year and week	Call money	Time loans 60 to 90 days	Time loans 6 months	Year and week	Bankers' acceptances (90 days)
1928				1928	
Jan. 7	4 - 5½	4⅛-4¼	4⅛-4¼	Jan. 3	3¼-3⅜
Jan. 14	4 - 4½	4⅛-4⅜	4⅛-4⅜	Jan. 9	3¼-3⅜
Jan. 21	3½- 4½	4¼-4⅜	4⅜-4½	Jan. 16	3⅜-3½
Jan. 28	3½- 4½	4⅜-4½	4⅜-4½	Jan. 23	3⅜-3½
				Jan. 30	3½-3⅝
Feb. 4	4 - 5	4⅜-4½	4⅜-4½	Feb. 6	3⅝-3¾
Feb. 11	4 - 4½	4⅜-4⅝	4½-4⅝	Feb. 14	3½-3⅝
Feb. 18	4¼- 4½	4½-4⅝	4½-4⅝	Feb. 20	3½-3⅝
Feb. 25	4 - 4¼	4½-4⅝	4½-4⅝	Feb. 27	3½-3⅝
Mar. 3	4¼- 4½	4½-4⅝	4½-4⅝	Mar. 5	3½-3⅝
Mar. 10	4¼	4½-4⅝	4½-4⅝	Mar. 12	3½-3⅝
Mar. 17	4	4½-4⅝	4½-4⅝	Mar. 19	3½-3⅝
Mar. 24	4½	4½-4⅝	4½-4⅝	Mar. 26	3½-3⅝
Mar. 31	4¾- 5	4⅝-4¾	4⅝-4¾		
Apr. 7	5 - 5½	4¾-4⅞	4¾-4⅞	Apr. 2	3¾-3⅞
Apr. 14	4½- 6	4¾-5	4¾-5	Apr. 9	3¾-3⅞
Apr. 21	4½- 5	4⅞-5	4⅞-5	Apr. 16	3⅞-4
Apr. 28	4¾- 5	5	5	Apr. 23	3⅞-4
				Apr. 30	3⅞-4
May 5	4½- 6	4⅞-5	4⅞-5	May 7	3⅞-4
May 12	5½- 6	4⅞-5	4⅞-5	May 14	3⅞-4
May 19	5½- 6	5 -5½	5 -5½	May 21	4 -4⅛
May 26	6	5½	5½	May 28	4 -4⅛
June 2	5½- 6½	5½-5⅝	5½-5⅝	June 4	4 -4⅛
June 9	5½- 7	5⅝-6	5⅝-6	June 11	4 -4⅛
June 16	5½- 6	5⅝-5¾	5⅝-5¾	June 18	4 -4⅛
June 23	5½- 6½	5¾-5⅞	5¾-5⅞	June 25	4⅛-4¼
June 30	6½- 8	5¾-6	5¾-6		
July 7	5 -10	5⅞-6	5⅞-6	July 2	4⅛-4¼
July 14	5½- 8	5¾-6	5¾-6	July 9	4⅛-4¼
July 21	5 - 6½	6	6	July 16	4⅛-4¼
July 28	5½	6	6	July 23	4⅜-4½
				July 30	4⅝-4¾
Aug. 4	5½- 8	6	6	Aug. 6	4⅝-4¾
Aug. 11	6 - 8	6 -6½	6 -6½	Aug. 13	4⅝-4¾
Aug. 18	4½- 7	6½	6½	Aug. 20	4⅝-4¾
Aug. 25	6 - 7½	6¼-6½	6¼-6½	Aug. 27	4⅝-4¾
Sept. 1	7 - 8	6½	6½	Sept. 4	4½-4⅝
Sept. 8	7½- 8	6½	6½	Sept. 10	4½-4⅝
Sept. 15	7 - 8	7	6¾-7	Sept. 17	4½-4⅝
Sept. 22	6½- 9	7 -7½	6¾-7½	Sept. 24	4½-4⅝
Sept. 29	6 - 8	7¼-7½	7¼-7½		
Oct. 6	6 -10	7¼-7½	7¼-7½	Oct. 1	4½-4⅝
Oct. 13	6 - 6½	7 -7¼	7 -7¼	Oct. 8	4½-4⅝
Oct. 20	6½- 8	7	6⅞-7	Oct. 15	4½-4⅝
Oct. 27	6 - 8	6¾-7	6¾-7	Oct. 22	4½-4⅝
				Oct. 29	4½-4⅝
Nov. 3	7 - 8	6¾-7	6½-7	Nov. 5	4½-4⅝
Nov. 10	6 - 7	6¾-7	6½-7	Nov. 12	4½-4⅝
Nov. 17	6 - 6½	6¾-7	6½-7	Nov. 19	4½-4⅝
Nov. 24	6½	6¾-7	6½-7	Nov. 26	4½-4⅝
Dec. 1	6½-10	6¾-7	6¾-7	Dec. 3	4½-4⅝
Dec. 8	8 -12	7 -7½	7 -7½	Dec. 10	4½-4⅝
Dec. 15	6 - 9	7½-7¾	7½-7¾	Dec. 17	4½-4¾
Dec. 22	6 - 9	7½-7¾	7½-7¾	Dec. 24	4½-4¾
Dec. 29	9 -12	7¾	7½-7¾	Dec. 31	4½-4¾

Year and week	Call money	Time loans 60 to 90 days	Time loans 6 months (1)	Year and week	Bankers' acceptances (90 days)
1929				1929	
Jan. 5	6 -12	7½-7¾	7½-7¾	Jan. 2	4½-4¾
Jan. 12	6 - 7	7½	7½	Jan. 7	4¾-5
Jan. 19	6 - 9	7½-7¾	7½-7¾	Jan. 14	4¾-5
Jan. 26	6	7½-7¾	7½-7¾	Jan. 21	5 -5⅛
				Jan. 28	5 -5⅛
Feb. 2	6 - 8	7½-7¾	7½-7¾	Feb. 4	5 -5⅛
Feb. 9	6 - 9	7½-7¾	7½-7¾	Feb. 11	5 -5⅛
Feb. 16	6 -10	7½-7¾	7½-7¾	Feb. 18	5¼-5⅜
Feb. 23	6 - 8	7¾	7½-7¾	Feb. 25	5¼-5⅜
Mar. 2	6½-10	7¾	7¾	Mar. 4	5¼-5⅜
Mar. 9	8 -12	7¾	7¾	Mar. 11	5¼-5⅜
Mar. 16	6 - 9	7¾-8	7¾	Mar. 18	5¼-5⅜
Mar. 23	7 -10	8	7¾-8	Mar. 25	5⅜-5¾
Mar. 30	8 -20	8 -8½	8		
Apr. 6	6 -15	8¾-9	8 -9	Apr. 1	5½-5⅝
Apr. 13	7 -10	9	8½-9	Apr. 8	5½-5⅝
Apr. 20	7½- 9	8½-9	8 -9	Apr. 15	5½-5⅝
Apr. 27	7½-16	8¼-8½	8 -8¼	Apr. 22	5⅜-5½
				Apr. 29	5⅜-5½
May 4	10 -15	8¼-8½	8 -8¼	May 6	5⅜-5½
May 11	6 -14	8½-9	8¼-8¾	May 13	5½-5⅝
May 18	6 -15	9	8¾	May 20	5½-5⅝
May 25	6 - 7	9¼-9½	8¾-9	May 27	5½-5⅝
June 1	6	8½-9	8 -8¾	June 3	5½-5⅝
June 8	6 - 7	8¼-8½	8¼-8½	June 10	5½-5⅝
June 15	7 - 8	8¼-8½	8 -8¼	June 17	5½-5⅝
June 22	7	8 -8¼	7¾-8¼	June 24	5½-5⅝
June 29	7 -10	7½-8	7½-8		
July 6	6 -15	7½	7½	July 1	5⅜-5½
July 13	7 - 9	7½	7½	July 8	5⅛-5¼
July 20	7 -12	7¾-8	7¾-8	July 15	5⅛-5¼
July 27	7 -10	7¾-8½	7¾-8½	July 22	5⅛-5¼
				July 29	5⅛-5¼
Aug. 3	9 -12	8½-9	8¼-9	Aug. 5	5⅛-5¼
Aug. 10	7 -12	8¾-9	8¾-9	Aug. 12	5⅛-5¼
Aug. 17	6 - 8	8¾-9	8¾-9	Aug. 19	5⅛-5¼
Aug. 24	6 - 7	8¾-9	8¾-9	Aug. 26	5⅛-5¼
Aug. 31	7 - 9	8¾-9	8¾-9		
Sept. 7	6 - 9	8¾-9	8¾-9	Sept. 2	5⅛-5¼
Sept. 14	7 -10	8¾-9	8¾-9	Sept. 9	5⅛-5¼
Sept. 21	7 -10	9	8¾-9	Sept. 16	5⅛-5¼
Sept. 28	8 -10	9 -9¼	9 -9¼	Sept. 23	5⅛-5¼
				Sept. 30	5⅛-5¼
Oct. 5	6 -10	9 -9¼	9 -9¼	Oct. 7	5⅛-5¼
Oct. 12	5 - 6½	8 -9	8 -9	Oct. 14	5⅛-5¼
Oct. 19	5 - 7	7¼-7¾	7¼-7¾	Oct. 21	5⅛-5¼
Oct. 26	5 - 6	6½-7½	6½-7¾	Oct. 28	4¾-4⅞
Nov. 2	5 - 6	6 -6½	6 -6½	Nov. 4	4⅝-4¾
Nov. 9	6	6	6	Nov. 11	4⅝-4¾
Nov. 16	5½- 6	5½-6	5½-6	Nov. 18	4 -4⅛
Nov. 23	4½- 5½	5 -5¾	5 -5¾	Nov. 25	3⅞-4
Nov. 30	4½	4¾-5	4¾-5		
Dec. 7	4½	4½-4¾	4½-4¾	Dec. 2	3⅞-4
Dec. 14	4½	4¾-5	4¾-5	Dec. 9	3⅞-4
Dec. 21	4½- 5	4¾-5	4¾-5	Dec. 16	3⅞-4
Dec. 28	5 - 6	4¾-5	4¾-5	Dec. 23	3⅞-4
				Dec. 30	4 -4⅛

[1] 4 to 6 months beginning with week ended Aug. 3, 1929.

Sources: Call and time rates from The Annalist, acceptance rates from Acceptance Bulletin of the American Acceptance Council.

No. 311.—FIRE AND MARINE INSURANCE BUSINESS: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Data cover transactions of both United States and foreign companies

[All figures except number of companies in thousands of dollars]

Calendar year	Stock and mutual companies								
	Number of companies	Capital	Total assets [1]	Net surplus	Net premiums	Total income	Losses	Dividends	Expenses
1890	580	86,732	322,678	108,734	143,346	157,858	75,335	12,946	49,819
1895	555	70,225	347,564	118,228	161,447	175,750	89,213	14,666	54,203
1900	493	73,151	413,027	162,658	182,131	198,313	108,307	16,029	65,861
1905	560	76,128	544,182	211,545	270,387	292,995	124,925	22,877	93,310
1910	593	94,734	572,899	206,212	263,303	291,534	123,692	34,857	94,389
1911	593	97,703	745,044	276,956	354,506	388,462	183,477	32,409	128,332
1912	595	96,944	774,985	286,969	367,470	406,326	188,082	31,640	135,517
1913	605	105,196	792,313	285,504	381,037	416,975	202,695	33,460	141,821
1914	596	105,670	815,747	284,523	396,550	430,873	224,640	30,957	143,339
1915	613	107,675	873,945	321,014	419,361	459,361	221,701	26,509	157,730
1916	608	118,094	965,859	345,561	493,936	535,753	244,813	39,742	172,207
1917	636	126,880	1,077,952	399,574	614,647	681,922	293,842	42,477	203,818
1918	630	131,221	1,189,795	378,216	716,980	772,740	335,921	43,506	249,261
1919	781	163,103	1,391,096	453,920	810,881	884,166	335,570	52,474	295,405
1920	789	176,906	1,569,141	464,505	995,295	1,073,625	451,470	63,815	371,479
1921	802	184,584	1,592,351	501,337	832,906	915,921	514,755	64,959	343,209
1922	754	206,367	1,627,345	550,057	851,257	939,568	477,116	73,924	337,590
1923	763	211,165	1,782,383	561,658	878,907	1,002,175	504,795	78,487	380,106
1924	801	232,408	1,913,477	629,252	970,806	1,070,748	524,302	76,652	390,128
1925	854	269,283	2,092,499	700,462	1,050,676	1,188,087	559,931	81,430	419,427
1926	860	278,498	2,248,197	733,959	1,110,895	1,228,399	581,234	92,897	448,935
1927	870	315,689	2,503,063	908,495	1,108,434	1,259,386	544,254	99,230	448,983
1928	886	385,931	2,867,832	1,124,478	1,131,956	1,371,928	531,536	107,393	469,429

Calendar year	Lloyd's and interinsurance companies					Total			
	Number of associations	Net premiums	Total income	Losses	Total disbursements	Net premiums	Total income	Losses	Total disbursements
1905	37	3,029	3,338	1,371	2,508	273,417	296,333	126,296	243,620
1910	31	3,831	4,111	1,644	3,744	267,134	295,645	125,336	256,681
1911	[2] 28	4,118	4,505	1,441	3,465	358,624	392,967	184,918	347,683
1912	[2] 26	4,157	4,424	1,992	4,101	371,627	410,760	190,073	359,339
1913	[2] 40	4,331	4,623	2,102	4,122	385,368	421,599	204,797	382,098
1914	37	9,425	9,860	3,575	7,706	405,975	440,733	228,215	406,641
1915	45	12,003	12,634	4,470	9,609	431,365	471,996	226,171	415,549
1916	[2] 54	13,076	13,746	5,653	11,247	507,012	549,499	250,466	468,008
1917	56	13,642	14,003	5,868	11,326	628,289	695,924	299,710	551,464
1918	95	[3] 20,874	[4] 21,636	[5] 10,470	[5] 18,174	737,854	794,376	346,391	646,863
1919	[2] 105	23,067	24,146	8,739	18,909	833,948	908,312	344,308	702,357
1920	[2] 137	24,946	29,164	10,403	20,481	1,020,242	1,102,789	461,873	907,245
1921	[2] 121	28,864	32,777	13,921	29,073	861,770	948,699	528,675	951,997
1922	[2] 125	30,056	32,537	13,282	29,070	881,313	972,106	490,398	917,700
1923	[2] 116	35,715	37,831	14,809	33,210	914,622	1,040,007	519,603	996,598
1924	[2] 140	46,706	50,768	21,858	44,037	1,017,512	1,121,517	546,159	1,035,119
1925	[2] 134	43,370	45,120	21,110	42,474	1,094,046	1,233,207	581,041	1,103,262
1926	[2] 121	45,366	49,085	22,274	43,141	1,156,261	1,227,485	603,507	1,165,206
1927	[2] 111	46,489	50,085	22,385	44,233	1,154,922	1,309,471	566,639	1,136,700
1928	[2] 110	51,218	58,262	22,783	47,905	1,183,174	1,430,189	554,318	1,156,264

[1] Exclusive of premium notes.
[2] Figures for 1911 and 1912 cover the business of 24 associations; 1913, 30; 1916, 47; 1919, 95; 1920, 101; 1921, 108; 1922, 105; 1923, 108; 1924, 133; 1925, 110; 1926, 115; 1927, 106; and 1928, 108.
[3] Premiums of 84 associations.
[4] Income of 88 associations.
[5] Losses paid and total disbursements of 89 associations.

Source: Insurance Yearbook of the Spectator Co., New York City.

No. 312.—FIRE INSURANCE: Outstanding Risks, Continental United States and Outlying Territories and Possessions, December 31

Note.—Covers transactions of members of the National Board of Fire Underwriters, both United States and foreign companies. Fire and lightning risks only beginning with 1918; in previous years marine risks are also included.

[Amount covered and premiums charged in millions and tenths of millions of dollars]

Year or yearly average	Number of companies	Amount covered	Premiums charged [1]	Rate on $100	Year	Number of companies	Amount covered	Premiums charged [1]	Rate on $100
1877–1880	171	6,393.8	61.5	$0.9623	1919	159	75,163.8	769.5	$1.0118
1881–1890	152	10,992.8	113.7	1.0347	1920	169	85,970.2	846.3	.9844
1891–1900	140	18,368.0	190.5	1.0373	1921	175	93,715.3	916.6	.9780
1901–1910	156	31,923.7	354.9	1.1116	1922	174	96,283.3	936.4	.9726
1911–1920	181	62,275.8	629.0	1.0101	1923	184	105,927.5	1,017.0	.9601
1914	191	56,012.9	570.7	1.0189	1924	197	115,683.4	1,092.0	.9440
1915	193	58,867.1	588.7	1.0000	1925	210	128,255.2	1,189.9	.9277
1916	199	63,355.3	628.2	.9915	1926	210	137,739.9	1,257.9	.9132
1917	197	72,331.7	698.3	.9654	1927	213	144,777.2	1,305.3	.9014
1918	154	63,083.1	638.1	1.0115	1928	234	149,766.3	1,333.4	.8903

[1] Gross less reinsurance.

Source Insurance Yearbook of the Spectator Co., New York City.

No. 313.—FIRE AND LIGHTNING INSURANCE: Business Transacted by Members of the National Board of Fire Underwriters, Continental United States and Outlying Territories and Possessions

[All money figures, except average annual rate of premium, in millions and tenths of millions of dollars]

	1920	1923	1924	1925	1926	1927	1928
Number of companies, total	169	184	197	210	210	213	234
United States companies	124	137	152	165	168	173	192
Foreign companies	45	47	45	45	42	40	42
Gross insurance written	100,194.7	118,358.5	118,398.0	140,496.9	142,968.8	139,958.8	141,550.0
United States companies	71,409.1	89,798.9	92,323.8	113,406.1	114,053.3	114,026.0	116,675.8
Foreign companies	28,785.6	28,559.6	26,074.3	27,090.8	28,915.5	25,932.9	24,874.2
Gross premiums charged	963.6	1,064.2	1,056.3	1,226.0	1,233.1	1,205.6	1,180.6
Net premiums written	533.9	598.6	595.9	644.3	679.0	639.8	639.5
Net premiums earned	450.9	535.4	571.3	599.0	634.5	627.6	640.0
Net losses paid	226.0	315.1	325.8	351.1	351.6	298.7	301.3
Net losses incurred	246.1	308.5	343.7	354.1	352.9	295.7	298.3
Net expenses	219.5	252.0	263.2	281.2	301.5	288.3	296.1
Agents' compensation	121.0	145.8	149.0	161.5	172.1	163.3	163.8
Taxes	27.6	18.4	20.3	20.1	21.2	20.8	24.8
Average annual rate of premium per $100 insurance	$0.9617	$0.8991	$0.8922	$0.8726	$0.8625	$0.8600	$0.8340
Per cent of—							
Net losses incurred to net premiums earned	54.6	57.6	60.2	59.1	55.6	47.1	46.6
Net losses incurred to net premiums written	46.1	51.5	57.7	55.0	52.0	46.2	46.6
Net expenses to net premiums earned	48.7	47.1	46.1	46.9	47.5	45.9	46.3
Net expenses to net premiums written	41.1	42.1	44.2	43.6	44.4	45.1	46.3
Agents' compensation to net premiums written	22.7	24.4	25.0	25.1	25.3	25.5	25.6
Taxes to net premiums written	5.2	3.1	3.4	3.1	3.1	3.2	3.9

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 314.—FIRES IN CITIES OF 100,000 OR MORE INHABITANTS: 1928

NOTE.—Losses are as reported by the chiefs of fire departments, estimated in many cases. Per capita figures are based on total loss where available, otherwise on insurance loss. Population estimates used in computing per capita figures are from the Census Bureau for some cities, from municipal authorities for others

[Amounts, except per capita, in thousands of dollars]

City and State	Number of fires	Total loss (insured and uninsured)	Insurance loss	Loss per capita
Alabama: Birmingham	2,265	613	533	$3.06
Arkansas: Little Rock	1,154	307	207	3.07
California:				
Long Beach	676	260	225	1.73
Los Angeles	8,848	2,550	--------	1.96
Oakland	2,303	426	390	1.25
Sacramento	578	158	150	1.50
San Diego	1,067	121	108	.81
San Francisco	5,625	--------	--------	------
Colorado: Denver	2,296	422	355	1.30
Connecticut:				
Bridgeport	975	51	45	.35
Hartford	1,042	280	264	1.63
New Haven	1,377	824	800	4.43
Waterbury	742	295	250	2.54
Delaware: Wilmington	611	82	--------	.65
District of Columbia: Washington	3,064	766	85	1.39
Florida:				
Jacksonville	1,269	367	336	1.98
Miami	932	384	288	2.91
Tampa	877	421	346	2.55
Georgia:				
Atlanta	2,152	873	817	3.11
Savannah	616	--------	196	1.96
Illinois:				
Chicago	21,295	13,000	11,349	4.12
Peoria	675	334	313	3.34
Indiana:				
Fort Wayne	1,127	106	102	.85
Gary	649	130	109	1.19
Indianapolis	3,783	--------	1,266	3.10
South Bend	888	166	162	1.58
Iowa: Des Moines	1,472	499	485	3.12
Kansas:				
Kansas City	1,377	186	153	1.48
Wichita	888	479	446	4.60
Kentucky: Louisville	2,411	863	726	2.43
Louisiana: New Orleans	1,777	808	--------	1.89
Maryland: Baltimore	4,700	1,518	1,438	1.83
Massachusetts:				
Boston	5,742	3,922	3,449	4.89
Cambridge	921	495	466	3.99
Fall River	883	2,715	2,714	21.21
Lowell	1,154	228	224	2.11
Lynn	1,432	504	502	4.79
New Bedford	647	262	--------	2.17
Somerville	724	--------	261	2.56
Springfield	1,044	361	332	2.37
Worcester	2,036	--------	880	4.40
Michigan:				
Detroit	9,460	3,683	--------	2.11
Flint	1,121	350	339	2.34
Grand Rapids	1,123	350	343	2.04
Minnesota:				
Duluth	628	380	364	3.17
Minneapolis	4,091	1,744	1,662	3.51
Saint Paul	2,366	538	519	1.71
Missouri:				
Kansas City	4,043	1,832	1,741	3.83
St. Louis	4,463	2,750	2,676	3.44
Nebraska: Omaha	2,313	458	--------	$2.05
New Jersey:				
Camden	718	--------	31	.23
Elizabeth	593	--------	212	1.75
Jersey City	868	319	291	.98
Newark	2,772	1,579	1,436	3.30
Paterson	805	754	738	5.03
Trenton	567	486	410	3.47
New York:				
Albany	1,210	--------	478	3.85
Buffalo	2,102	1,909	--------	3.07
New York City	25,949	16,624	--------	2.76
Manhattan, Bronx, and Richmond	14,145	8,985	--------	3.15
Brooklyn and Queens	11,804	7,640	--------	2.42
Rochester	1,700	632	--------	1.81
Syracuse	1,112	246	--------	1.17
Utica	197	311	310	2.85
Yonkers	975	233	217	1.89
Ohio:				
Akron	1,246	314	294	1.33
Canton	437	96	94	.80
Cincinnati	2,052	1,166	998	2.62
Cleveland	5,191	2,895	2,686	2.52
Columbus	1,910	476	435	1.49
Dayton	1,515	482	436	2.56
Toledo	1,890	745	678	2.29
Youngstown	1,013	478	451	2.65
Oklahoma:				
Oklahoma City	1,947	303	288	2.02
Tulsa	1,736	277	--------	1.73
Oregon: Portland	2,158	841	824	2.32
Pennsylvania:				
Allentown	180	93	85	.87
Erie	578	67	--------	.50
Philadelphia	6,754	5,355	4,890	2.59
Pittsburgh	3,229	1,139	--------	1.68
Reading	260	928	--------	7.87
Scranton	746	--------	482	3.22
Rhode Island: Providence	2,012	817	762	3.05
Tennessee:				
Chattanooga	877	304	284	2.03
Knoxville	868	194	--------	1.39
Memphis	2,881	638	515	2.55
Nashville	1,163	1,357	1,084	9.43
Texas:				
Dallas	3,223	1,491	1,220	6.53
El Paso	501	142	139	1.22
Fort Worth	1,801	630	596	3.15
Houston	2,558	1,600	--------	5.61
San Antonio	1,198	355	255	1.16
Utah: Salt Lake City	1,326	443	403	2.95
Virginia:				
Norfolk	1,474	338	326	1.79
Richmond	1,698	120	111	.59
Washington:				
Seattle	766	364	317	.82
Spokane	1,433	282	276	2.13
Tacoma	1,350	656	450	4.86
Wisconsin: Milwaukee	3,179	1,640	1,615	2.78
Hawaii Territory: Honolulu	409	69	52	.56

Source: Report of Committee on Statistics and Origin of Fires, National Board of Fire Underwriters.

No. 315.—FIRE LOSSES: Total and Per Capita, Continental United States

Note.—Amounts, except per capita, in thousands of dollars. Prior to 1916, figures are as compiled by the New York Journal of Commerce and include losses of $10,000 or over in the principal cities of the United States, adding 15 per cent for small and unreported losses. These figures are not comparable with those shown for later years (the 1916 Journal of Commerce figure being $214,531,000 as against $258,378,000) which cover all fires reported to the Actuarial Bureau Committee, adding 25 per cent for unreported and uninsured losses

Year	Loss	Year	Loss	Year	Loss	Year	Loss
1878	64, 316	1891	143, 765	1904	229, 198	1917	289, 535
1879	77, 704	1892	151, 516	1905	165, 222	1918	353, 879
1880	74, 643	1893	167, 544	1906	518, 612	1919	320, 540
1881	81, 281	1894	140, 006	1907	215, 085	1920	447, 887
1882	84, 505	1895	142, 110	1908	217, 886	1921	495, 406
1883	100, 149	1896	118, 737	1909	188, 705	1922	506, 541
1884	110, 009	1897	116, 355	1910	214, 003	1923	535, 373
1885	102, 819	1898	130, 594	1911	217, 005	1924	549, 062
1886	104, 925	1899	153, 598	1912	206, 439	1925	559, 418
1887	120, 283	1900	160, 930	1913	203, 764	1926	561, 981
1888	110, 886	1901	165, 818	1914	221, 439	1927	472, 934
1889	123, 047	1902	161, 078	1915	172, 033	1928	464, 607
1890	108, 994	1903	145, 302	1916	258, 378	1929	473. 574

Year	Cities reporting actual loss				Total United States		
	Number of cities	Population (thousands)	Actual reported loss, total	Loss per capita	Population (thousands)	Estimated loss	Loss per capita
1920	370	39, 637	151, 121	$3. 81	106, 422	447, 887	$4. 21
1921	370	40, 325	141, 406	3. 51	108, 445	495, 406	4. 57
1922	366	40, 758	147, 096	3. 61	109, 893	506, 541	4. 62
1923	372	42, 947	147, 102	3. 42	111, 693	535, 373	4. 79
1924	366	43, 376	146, 223	3. 37	113, 727	549, 062	4. 83
1925	370	45, 297	160, 012	3. 53	115, 378	559, 418	4. 85
1926	377	53, 244	178, 179	3. 35	117, 136	561, 981	4. 80
1927	406	51, 292	144, 619	2. 82	118, 628	472, 934	3. 99
1928	445	51, 836	140, 038	2. 70	120, 013	464, 607	3. 87
1929	473	53, 411	145, 059	2. 72	120, 700	473, 574	3. 92

Source: Committee on Statistics, National Board of Fire Underwriters.

No. 316.—LIFE INSURANCE: Operations of All Companies of the United States, from Organization to January 1, 1929

Note.—Figures include domestic and foreign business of United States companies, but do not include operations of the Veterans' Bureau. (See pp. 161 to 163.)

[All figures, except number of policies, in thousands of dollars]

	Total	Ordinary companies	Industrial companies
Total insurance issued since organization:			
Number of policies (thousands)	320, 373	[1] 65, 093	[2] 255, 280
Amount	195, 602, 815	[1] 150, 212, 108	[2] 45, 390, 707
Insurance in force Jan. 1, 1929:			
Number of policies (thousands)	114, 995	[1] 29, 151	[2] 85, 844
Amount	95, 206, 315	[1] 78, 520, 733	[2] 16, 685, 581
Receipts since organization, total	44, 348, 206	31, 103, 595	13, 244, 611
Premium and annuity	34, 556, 673	23, 462, 665	11, 094, 008
Interest, rents, etc	9, 791, 532	7, 640, 930	2, 150, 603
Payments to policyholders since organization, total	20, 115, 540	15, 492, 906	4, 622, 634
Death claims	9, 132, 296	6, 574, 441	2, 557, 855
Endowments and annuities [3]	2, 585, 038	2, 102, 780	482, 258
Purchased policies, surrender values	3, 741, 038	3, 049, 035	692, 003
Dividends to policyholders	4, 657, 168	3, 766, 650	890, 518
Admitted assets, Jan. 1, 1929	15, 961, 094	10, 356, 909	5, 604, 185
Capital, apportioned funds and surplus, Jan. 1, 1929	1, 674, 264	1, 166, 183	508, 081

[1] Includes group business and ordinary and group business of industrial companies.
[2] Industrial business only.
[3] Includes disability and double indemnity.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 317.—LIFE INSURANCE: Summary of Financial Condition and Policy Account of All Companies of the United States

Note.—See headnote, Table 316

[All figures, except number of policies, in millions of dollars]

Year	Assets (admitted) Dec. 31	Liabilities,[1] Dec. 31	Total income	Payments to policyholders	Insurance written and paid for during year		Policies in force Dec. 31				
							Number (thousands)		Amount		
					Ordinary[2]	Industrial	Ordinary[2]	Industrial	Total	Ordinary[2]	Industrial
1850	-------	-------	-------	-------	-------	-------	29	-------	69	69	-------
1860	-------	-------	-------	-------	-------	-------	60	-------	180	180	-------
1870	-------	-------	-------	-------	-------	-------	839	-------	2,263	2,263	-------
1880	453	-------	81	56	-------	-------	686	237	1,602	1,582	21
1890	771	679	197	90	742	242	1,320	3,883	4,050	3,621	429
1900	1,742	1,493	401	169	1,280	566	3,176	11,219	8,561	7,093	1,468
1901	1,911	1,640	458	192	1,421	599	3,694	12,337	9,594	7,953	1,641
1902	2,092	1,798	505	200	1,564	612	4,160	13,448	10,505	8,699	1,807
1903	2,265	1,979	554	226	1,727	597	4,694	14,607	11,547	9,569	1,978
1904	2,499	2,168	599	247	1,796	613	5,508	15,674	12,548	10,412	2,136
1905	2,706	2,373	642	265	1,726	661	5,621	16,873	13,364	11,054	2,310
1906	2,924	2,557	667	287	1,451	631	5,793	17,841	13,707	11,253	2,464
1907	3,053	2,736	679	310	1,345	576	5,943	18,844	14,063	11,486	2,577
1908	3,380	2,939	704	336	1,469	594	6,165	19,688	14,519	11,850	2,669
1909	3,544	3,170	748	361	1,656	793	6,535	21,552	15,420	12,452	2,968
1910	3,876	3,386	781	387	1,822	735	6,964	23,034	16,404	13,227	3,177
1911	4,164	3,646	836	414	2,097	773	7,669	24,713	18,003	14,578	3,424
1912	4,409	3,880	893	449	2,240	842	8,159	26,696	19,265	15,556	3,709
1913	4,659	4,136	946	470	2,550	850	8,775	29,432	20,504	16,587	3,977
1914	4,935	4,365	985	509	2,457	858	9,045	31,159	21,589	17,426	4,164
1915	5,190	4,938	1,043	545	2,621	974	9,890	33,142	22,784	18,349	4,435
1916	5,537	5,253	1,118	566	3,213	999	10,698	35,675	24,679	19,868	4,811
1917	5,941	5,634	1,249	590	3,840	1,051	11,582	38,704	27,189	21,966	5,223
1918	6,475	6,202	1,325	710	3,988	1,143	12,768	41,852	29,870	24,167	5,703
1919	6,759	6,432	1,560	739	7,010	1,305	15,716	51,295	35,880	29,273	6,607
1920	7,320	6,989	1,764	745	8,490	1,615	16,695	49,805	42,281	35,092	7,190
1921	7,936	7,548	1,951	838	6,787	1,943	17,685	54,097	45,983	37,977	8,006
1922	8,652	8,124	2,149	973	7,506	2,268	18,814	58,283	50,291	41,404	8,887
1923	9,455	8,902	2,427	1,088	9,455	2,615	20,534	63,461	56,804	46,696	10,107
1924	10,394	9,799	2,703	1,174	10,152	3,043	22,092	68,248	63,780	52,436	11,344
1925	11,538	10,867	3,018	1,243	11,817	3,656	23,894	73,736	71,690	58,866	12,824
1926	12,940	12,177	3,330	1,373	12,413	4,048	25,501	77,965	79,644	65,457	14,187
1927	14,392	13,539	3,673	1,500	12,671	4,465	27,146	82,246	87,022	71,474	15,548
1928	15,961	15,043	4,088	1,699	14,168	4,505	29,151	85,844	95,206	78,521	16,686

[1] Not including unapportioned surplus and capital and prior to 1915 also apportioned surplus. For amount of latter item in 1915 and recent years see Table 318.
[2] Includes group business.

Source: Prior to 1890 Frederick L. Hoffman, insurance statistician, Newark, N. J.; 1890 and subsequent years, the Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 318.—LIFE INSURANCE: Financial Condition and Business of All Companies of the United States

Note.—All money figures in thousands of dollars. See headnote, Table 316

	1900	1910	1915	1920	1925	1927	1928
Number of companies	76	214	238	272	308	319	331
Capital stock, Dec. 31	12,832	40,545	52,545	66,905	105,707	132,449	149,471
Income, total	400,603	781,011	1,043,083	1,764,213	3,017,800	3,673,151	4,087,933
Premium income, total	324,724	593,388	784,318	1,384,939	2,383,913	2,874,452	3,145,585
New premiums[1]	62,276	70,180	92,441	274,478	340,566	361,124	378,632
Renewed[1]	256,142	517,536	683,991	1,099,740	1,999,480	2,452,696	2,658,723
Annuities	6,306	5,672	7,886	10,721	43,867	60,632	108,230
Interest and other income, total	75,879	187,623	258,765	379,274	633,887	798,699	942,348
Interest, dividends, etc.	64,949	160,514	229,659	324,372	527,577	641,532	712,672
Rents	8,225	10,310	10,941	16,312	23,125	27,243	30,135
Other	2,706	16,799	18,165	28,592	83,185	129,924	199,541

[1] Includes disability and double indemnity receipts and payments.

No. 318.—Life Insurance: Financial Condition and Business of All Companies of the United States—Continued

	1900	1910	1915	1920	1925	1927	1928
Expenditures, total	267, 580	540, 342	768, 506	1, 198, 366	1, 936, 422	2, 295, 123	2, 547, 913
Paid to policyholders	168, 688	387, 302	544, 705	744, 649	1, 242, 974	1, 499, 899	1, 698, 735
Death losses	100, 721	180, 654	237, 391	349, 964	493, 391	613, 515	705, 924
Matured endowments	18, 335	46, 349	63, 383	101, 181	114, 473	89, 160	89, 866
Annuities [1]	4, 122	7, 426	8, 860	16, 897	38, 531	54, 837	67, 911
Surrendered policies, etc.	22, 650	77, 518	123, 796	119, 061	248, 625	324, 525	369, 210
Dividends	22, 860	75, 354	111, 275	157, 547	351, 150	417, 862	465, 824
Other expenditures	98, 892	153, 040	223, 801	453, 717	693, 448	795, 225	849, 178
To agents, commissions, salaries, traveling expenses	61, 282	87, 629	115, 328	257, 822	399, 499	449, 430	468, 033
Medical fees, salaries, other employee costs	13, 034	26, 037	34, 312	61, 566	99, 233	110, 792	116, 779
Dividends to stockholders	1, 028	2, 140	3, 293	5, 308	14, 500	18, 259	21, 120
Other	23, 548	37, 235	70, 868	129, 021	180, 216	216, 744	243, 247
Admitted assets, Dec. 31, total	1, 742, 414	3, 875, 877	5, 190, 310	7, 319, 997	11, 537, 615	14, 391, 851	15, 961, 094
Real estate	158, 119	172, 961	173, 367	172, 011	265, 938	350, 366	402, 550
Real estate mortgages	501, 499	1, 227, 232	1, 779, 279	2, 174, 863	4, 799, 216	6, 183, 591	6, 760, 792
Stocks owned	794, 632	129, 622	81, 056	51, 356	81, 462	102, 094	232, 878
Bonds owned	7, 191	1, 659, 845	2, 094, 688	3, 588, 728	4, 331, 288	5, 078, 453	5, 577, 192
Collateral loans	64, 489	18, 941	16, 729	41, 301	20, 416	27, 467	32, 912
Premium notes and loans	88, 501	495, 100	779, 159	858, 915	1, 445, 507	1, 784, 974	2, 000, 138
Net deferred and unpaid premiums	33, 269	50, 956	73, 475	130, 923	251, 848	315, 202	357, 440
Cash in office and bank	75, 440	71, 113	114, 285	124, 747	124, 252	133, 486	140, 858
Other	19, 276	50, 107	78, 272	177, 152	217, 687	416, 219	456, 333
Asset items not admitted	12, 249	25, 186	31, 597	77, 424	119, 178	117, 326	122, 174
Liabilities, Dec. 31, total	1, 493, 379	3, 590, 978	4, 938, 028	6, 989, 309	10, 867, 475	13, 539, 060	15, 042, 582
Reserve	1, 443, 452	3, 225, 966	4, 398, 894	6, 337, 970	9, 926, 515	12, 279, 202	13, 595, 738
Losses, etc., unpaid	9, 863	17, 072	29, 588	43, 116	64, 268	84, 208	101, 701
Claims resisted	999	1, 779	2, 569	2, 475	5, 413	8, 290	8, 213
Dividends unpaid and left to accumulate	3, 598	5, 533	20, 654	53, 048	134, 272	185, 173	219, 295
Surplus apportioned	(2)	279, 614	411, 887	412, 339	563, 793	684, 666	755, 753
Other	35, 466	61, 014	74, 436	140, 361	173, 213	297, 520	361, 883
Surplus (including capital)	[2] 249, 035	210, 440	252, 283	330, 688	670, 140	852, 755	918, 511
Total surplus funds	249, 035	490, 054	664, 170	743, 027	1, 233, 933	1, 537, 422	1, 674, 264
POLICY ACCOUNT—AMOUNTS							
New business written and paid for, total	1, 846, 267	2, 557, 053	3, 594, 697	10, 105, 445	15, 472, 999	17, 125, 459	18, 673, 575
Ordinary [3]	1, 280, 265	1, 822, 260	2, 621, 014	8, 489, 971	10, 563, 128	11, 404, 909	12, 257, 462
Group	----------	----------	----------	----------	1, 253, 619	1, 265, 940	1, 910, 639
Industrial	566, 002	734, 793	973, 683	1, 615, 474	3, 656, 253	4, 464, 610	4, 505, 474
In force Dec. 31, total	8, 561, 249	16, 404, 261	22, 784, 191	42, 281, 391	71, 689, 749	87, 022, 103	95, 206, 315
Ordinary, total [3]	7, 093, 220	13, 227, 213	18, 349, 285	35, 091, 538	54, 566, 797	65, 043, 873	70, 486, 444
Whole life	4, 790, 345	8, 811, 743	12, 425, 471	25, 583, 423	39, 299, 872	47, 097, 276	51, 110, 358
Endowment	1, 664, 450	3, 043, 689	3, 656, 723	6, 975, 433	9, 636, 968	11, 376, 517	12, 361, 052
Other	638, 425	1, 371, 782	2, 267, 092	2, 532, 683	5, 629, 957	6, 570, 080	7, 015, 034
Group	----------	----------	----------	----------	4, 299, 271	6, 429, 743	8, 034, 290
Industrial	1, 468, 028	3, 177, 048	4, 434, 906	7, 189, 852	12, 823, 681	15, 548, 488	16, 685, 581
NUMBER OF POLICIES (thousands)							
Written during year, total	4, 671	6, 002	8, 464	13, 249	20, 325	22, 177	23, 861
Ordinary [3]	729	993	1, 495	3, 924	3, 897	4, 266	4, 921
Group	----------	----------	----------	----------	3	5	3
Industrial	3, 942	5, 009	6, 968	9, 325	16, 425	17, 907	18, 937
In force Dec. 31, total	14, 395	29, 999	43, 032	66, 499	97, 629	109, 392	114, 995
Ordinary [3]	3, 176	6, 964	9, 890	16, 695	23, 882	27, 128	29, 134
Group	----------	----------	----------	----------	12	18	17
Industrial	11, 219	23, 034	33, 142	49, 805	73, 736	82, 246	85, 844

[1] Includes disability and double indemnity receipts and payments.
[2] "Surplus apportioned" included in "surplus, including capital."
[3] Includes "Group" prior to 1925.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 319.—LIFE INSURANCE, SUMMARY OF FINANCIAL CONDITION AND POLICY ACCOUNTS: COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Data relate to all companies authorized to sell life insurance in New York State, which include nearly all of the important companies doing business in the United States. The figures relate to the entire business of such companies and not that in New York alone

[All figures in thousands of dollars or thousands of policies]

Calendar year	Insurance in force end of year[1] (amount)	Calendar year	Insurance in force end of year[1] (amount)	Calendar year	Insurance in force end of year[1] (amount)
1859	141, 498	1875	1, 922, 043	1891	3, 868, 336
1860	163, 703	1876	1, 735, 995	1892	4, 208, 975
1861	165, 256	1877	1, 556, 105	1893	4, 523, 473
1862	183, 963	1878	1, 480, 921	1894	4, 657, 583
1863	267, 659	1879	1, 439, 961	1895	4, 818, 171
1864	395, 703	1880	1, 475, 995	1896	4, 967, 576
1865	580, 882	1881	1, 540, 090	1897	5, 255, 736
1866	865, 106	1882	1, 637, 649	1898	5, 630, 053
1867	1, 161, 730	1883	1, 763, 730	1899	6, 265, 908
1868	1, 528, 985	1884	1, 870, 746	1900	6, 947, 097
1869	1, 836, 618	1885	2, 024, 103	1901	7, 572, 803
1870	2, 023, 885	1886	2, 223, 358	1902	8, 440, 713
1871	2, 101, 462	1887	2, 475, 750	1903	9, 241, 273
1872	2, 114, 743	1888	2, 763, 906	1904	10, 028, 091
1873	2, 086, 027	1889	3, 147, 006		
1874	1, 997, 236	1890	3, 547, 035	(See last column below)	

Calendar year	Assets	Liabilities, exclusive of capital	Income		Disbursements		Policies in force at end of year[1]	
			Total	Premium	Total	To policy-holders	Number (thousands)	Amount
1860	24, 116	17, 160	5, 998	4, 770	2, 909	2, 102	56	163, 703
1870	269, 520	221, 161	105, 026	90, 215	63, 877	44, 949	748	2, 023, 885
1880	418, 119	346, 473	76, 203	51, 954	66, 562	52, 154	609	1, 475, 995
1890	758, 314	668, 228	193, 247	151, 945	131, 289	88, 462	1, 276	3, 547, 035
1900	1, 723, 738	1, 478, 839	392, 359	310, 545	261, 467	165, 705	3, 071	6, 947, 097
1905	2, 651, 317	2, 289, 031	619, 426	484, 407	397, 830	257, 957	5, 306	10, 553, 840
1906	2, 851, 784	2, 469, 767	632, 447	494, 255	404, 215	278, 587	5, 407	10, 616, 680
1907	2, 917, 968	2, 606, 846	625, 719	485, 983	401, 090	292, 406	5, 324	10, 404, 508
1908	3, 228, 078	2, 778, 054	644, 573	492, 677	428, 536	318, 595	5, 468	10, 623, 734
1909	3, 466, 643	2, 967, 162	679, 724	507, 114	462, 486	341, 993	5, 756	11, 110, 457
1910	3, 665, 197	3, 164, 491	703, 921	527, 277	488, 781	364, 127	6, 041	11, 669, 700
1911	3, 918, 071	3, 377, 125	750, 116	558, 425	521, 320	387, 654	6, 621	12, 802, 980
1912	4, 136, 484	3, 571, 929	791, 914	590, 614	558, 736	419, 478	7, 002	13, 527, 321
1913	4, 351, 943	3, 802, 073	833, 681	622, 845	586, 312	436, 968	7, 452	14, 324, 485
1914	4, 595, 977	4, 010, 829	865, 867	647, 438	630, 937	477, 024	7, 851	14, 931, 151
1915	4, 802, 904	4, 222, 318	917, 993	677, 947	687, 256	507, 459	8, 284	15, 609, 722
1916	5, 099, 034	4, 483, 753	982, 831	723, 767	702, 479	523, 978	8, 887	16, 784, 208
1917	5, 450, 171	4, 771, 716	1, 088, 470	801, 223	746, 051	537, 525	9, 518	18, 457, 379
1918	5, 907, 531	5, 276, 419	1, 146, 253	860, 814	851, 893	642, 448	10, 198	20, 196, 274
1919	6, 062, 858	5, 445, 006	1, 311, 956	991, 460	944, 509	670, 161	11, 607	24, 010, 146
1920	6, 541, 653	5, 701, 223	1, 501, 901	1, 172, 069	1, 028, 202	691, 183	13, 200	26, 840, 198
1921	7, 018, 030	6, 736, 889	1, 630, 785	1, 259, 192	1, 091, 160	753, 938	14, 036	29, 145, 345
1922	7, 592, 706	7, 346, 575	1, 816, 199	1, 392, 670	1, 297, 078	907, 808	14, 869	31, 688, 501
1923	8, 222, 286	7, 931, 369	2, 025, 372	1, 563, 695	1, 430, 083	997, 830	16, 055	35, 181, 051
1924	9, 008, 862	8, 674, 222	2, 255, 490	1, 747, 767	1, 545, 802	1, 071, 516	17, 126	41, 774, 448
1925	10, 023, 932	9, 523, 948	2, 512, 995	1, 936, 957	1, 603, 238	1, 094, 526	18, 590	43, 751, 246
1926	11, 234, 738	10, 660, 244	2, 789, 074	2, 142, 291	1, 762, 203	1, 200, 856	19, 826	48, 248, 043
1927	12, 482, 167	11, 892, 865	3, 064, 172	2, 349, 484	1, 892, 802	1, 307, 218	20, 961	52, 320, 679
1928	13, 826, 535	13, 164, 438	3, 398, 704	2, 650, 627	2, 116, 047	1, 484, 449	22, 372	56, 609, 303

[1] Industrial business and, beginning 1920, group business not included.

Source: The Insurance Yearbook, the Spectator Co., New York, N. Y.

No. 320.—LIFE INSURANCE ISSUED AND TERMINATED: All Companies Reporting to New York Insurance Department

Note.—Industrial and group insurance are not included. See also headnote, Table 319

	Number of policies (thousands)				Amount (thousands of dollars)			
	1925	1926	1927	1928	1925	1926	1927	1928
New issues [1]	2,602	2,703	2,810	3,164	7,788,047	8,190,636	8,379,677	8,754,803
Policies terminated, total	1,298	1,462	1,675	1,728	3,161,294	3,691,896	4,309,553	4,372,053
By—								
Death	131	144	148	166	318,523	366,587	397,382	458,212
Maturity	85	73	62	64	95,396	79,058	634864	69,689
Expiry	212	248	288	330	382,498	412,446	4 50,578	516,283
Surrender	296	326	398	400	748,140	860,584	1,064,584	1,125,566
Lapse	564	653	772	762	1,415,014	1,714,822	2,052,660	1,964,303
Change and decrease	9	17	4	5	199,247	255,868	272,398	234,542
Disability	1	1	1	1	2,476	2,530	2,986	3,459

[1] Includes all new issues, old policies revived or increased, and additions by dividends.

No. 321.—LIFE INSURANCE ISSUED AND TERMINATED BY SURRENDER, LAPSE, AND CHANGE AND DECREASE: Companies Reporting to New York Insurance Department

Note.—Policies terminated by death, maturity, and expiry are not included in this table. Industrial business and, beginning 1920, group business not included. See also headnote, Table 319

[All figures expressed in thousands of dollars or thousands of policies]

Year	Issued [1]		Terminated by surrender, lapse, and decrease		Year	Issued [1]		Terminated by surrender, lapse, and decrease	
	Number	Amount	Number	Amount		Number	Amount	Number	Amount
1865	86	245,427	14	34,780	1897	431	923,805	186	444,429
1866	134	404,508	21	56,893	1898	436	1,018,366	200	433,461
1867	159	471,612	35	105,101	1899	633	1,304,306	214	442,236
1868	202	579,657	50	147,104	1900	687	1,356,770	236	467,226
1869	231	614,762	77	215,030	1901	788	1,470,318	240	454,394
1870	237	587,863	96	264,664	1902	907	1,646,013	281	515,893
1871	210	488,665	125	328,599	1903	976	1,759,682	297	522,709
1872	201	489,925	109	295,750	1904	1,101	1,884,826	349	627,914
1873	199	465,614	119	316,785	1905	1,018	1,733,102	403	701,715
1874	145	351,804	119	302,673	1906	715	1,229,809	415	756,599
1875	133	299,276	96	243,930	1907	569	997,262	314	562,028
1876	99	232,665	87	224,101	1908	592	1,090,979	327	610,084
1877	82	178,284	83	208,851	1909	695	1,284,242	306	570,631
1878	67	156,501	64	172,604	1910	747	1,362,590	296	541,408
1879	67	167,865	45	120,826	1911	812	1,577,846	323	604,383
1880	72	187,504	34	90,292	1912	898	1,702,147	365	701,476
1881	81	222,582	31	82,453	1913	1,016	1,840,578	399	732,319
1882	92	257,517	33	93,928	1914	1,013	1,808,730	433	833,691
1883	110	308,065	38	102,728	1915	1,090	1,928,289	446	859,635
1884	128	321,310	51	125,130	1916	1,257	2,362,193	405	765,096
1885	156	378,215	59	128,945	1917	1,378	2,892,880	403	729,489
1886	151	448,514	47	132,241	1918	1,335	2,965,541	401	731,160
1887	175	531,171	52	146,888	1919	2,134	5,199,839	438	797,237
1888	204	631,732	63	183,307	1920	2,420	6,068,203	561	1,110,157
1889	251	787,665	72	206,450	1921	2,012	4,902,464	881	1,983,026
1890	288	883,787	84	251,660	1922	2,038	5,518,885	877	2,032,856
1891	327	932,706	114	344,287	1923	2,352	6,694,734	827	1,884,043
1892	353	952,884	128	377,407	1924	2,383	7,233,738	908	2,193,928
1893	404	1,058,660	154	435,728	1925	2,602	7,788,047	868	2,362,401
1894	397	985,520	190	506,932	1926	2,703	8,190,636	996	2,831,274
1895	367	864,816	182	453,114	1927	2,810	8,379,677	1,175	3,389,743
1896	350	796,124	188	466,029	1928	3,164	8,754,803	1,169	3,327,868

[1] Includes all new issues, old policies revived or increased, and additions by dividends.

Source of Tables 320 and 321: The Insurance Yearbook, the Spectator Co., New York, N. Y.

No. 322.—LIFE INSURANCE: Ordinary and Industrial Insurance Written, by States

Note.—Totals in this table and No. 323 do not agree with totals in Tables 316 to 318 because of differences in the reports from which they are compiled as furnished by the companies to the various insurance departments, and because of duplications from reinsurance. The former also cover business transacted in continental United States only, while the latter include also foreign business of United States companies

[All figures in thousands of dollars]

Division and State	Ordinary [1]				Industrial			
	1925	1926	1927	1928	1925	1926	1927	1928
Continental United States [2]	12,477,329	13,260,647	13,931,624	15,110,340	3,569,078	3,980,317	4,239,308	4,397,666
New England	858,855	866,943	898,947	948,175	357,871	365,635	373,539	396,770
Maine	53,486	60,703	59,320	64,915	21,974	23,773	22,587	23,938
New Hampshire	34,101	37,771	37,323	43,348	16,174	15,029	16,032	16,420
Vermont	27,825	27,242	28,791	31,277	8,685	8,910	8,234	9,305
Massachusetts	470,568	460,157	486,342	499,049	207,172	207,668	212,683	224,215
Rhode Island	68,111	69,015	71,263	72,775	34,552	37,992	38,842	42,635
Connecticut	204,764	212,055	215,909	236,812	69,314	72,263	75,160	80,258
Middle Atlantic	3,494,222	3,854,858	3,973,677	4,419,214	1,123,960	1,243,784	1,345,481	1,356,580
New York	2,000,440	2,222,306	2,351,724	2,604,822	577,893	619,362	672,713	688,017
New Jersey	480,739	433,834	476,722	589,214	180,396	197,125	221,616	229,888
Pennsylvania	1,013,043	1,198,718	1,145,231	1,225,179	365,671	427,297	451,152	438,675
East North Central	2,879,580	3,350,792	3,454,253	3,851,485	792,999	883,994	907,700	931,812
Ohio	784,703	811,525	873,557	948,876	281,545	314,018	320,840	321,041
Indiana	307,454	333,911	361,167	446,832	143,154	156,325	146,422	145,520
Illinois	990,601	1,181,986	1,200,930	1,090,907	219,310	232,009	252,379	282,314
Michigan	549,575	760,835	748,108	1,065,034	106,113	136,604	139,176	132,511
Wisconsin	247,247	262,535	270,491	299,836	42,877	45,038	48,884	50,426
West North Central	1,324,571	1,310,861	1,428,644	1,442,819	233,433	262,077	273,647	258,405
Minnesota	276,722	275,661	261,075	275,505	28,333	29,867	30,323	31,889
Iowa	254,500	238,208	237,358	254,339	22,470	22,465	24,351	24,797
Missouri	372,988	394,590	494,672	465,777	143,441	162,101	172,204	156,004
North Dakota	45,229	43,835	47,230	50,222	5	7	8	10
South Dakota	52,335	42,533	44,228	43,840	7	11	14	10
Nebraska	169,251	141,038	154,588	167,388	10,456	11,493	12,343	12,201
Kansas	153,546	174,996	189,492	185,748	28,721	36,133	34,404	31,494
South Atlantic	1,117,360	1,152,784	1,219,214	1,199,422	482,447	559,849	612,871	690,235
Delaware	38,928	40,537	49,045	50,649	12,000	11,591	13,057	13,539
Maryland	153,818	163,453	164,109	174,313	85,164	96,061	97,141	102,459
Dist. of Columbia	72,059	76,244	85,585	111,728	29,928	33,298	37,196	38,546
Virginia	145,823	140,073	153,988	152,828	84,598	88,716	101,968	105,798
West Virginia	111,489	125,882	127,254	127,587	32,367	35,551	36,822	33,410
North Carolina	171,529	172,405	198,629	173,852	77,077	88,277	99,224	117,268
South Carolina	86,954	81,160	90,613	99,723	54,390	59,952	78,573	87,206
Georgia	178,362	161,799	210,810	188,778	66,712	81,532	110,211	119,328
Florida	158,398	191,231	139,181	119,964	40,211	64,871	38,679	72,591
East South Central	633,136	572,374	629,994	628,779	253,021	286,564	294,369	317,033
Kentucky	175,504	152,593	184,141	155,445	75,961	93,738	88,232	88,767
Tennessee	218,003	185,663	213,884	235,525	86,498	106,366	115,647	131,454
Alabama	154,576	151,871	155,228	156,728	69,325	64,765	69,786	76,376
Mississippi	85,053	82,247	76,741	81,080	21,237	21,695	20,705	20,435
West South Central	859,990	852,789	926,660	1,027,966	169,495	201,552	232,782	245,348
Arkansas	117,121	111,572	117,598	121,534	19,990	12,291	27,687	25,841
Louisiana	134,069	117,220	129,292	127,742	40,851	45,112	44,406	43,124
Oklahoma	170,151	184,744	202,429	217,744	23,560	29,147	30,437	39,068
Texas	438,649	439,253	477,541	560,945	85,095	115,002	130,252	137,315
Mountain	323,545	317,375	342,516	381,626	32,508	27,529	28,774	27,167
Montana	43,155	38,643	38,177	40,161	4,127	3,148	2,853	2,498
Idaho	47,791	33,647	31,159	44,666	1,605	1,405	1,593	1,330
Wyoming	17,640	22,891	18,475	21,316	13	16	19	21
Colorado	111,306	133,021	155,167	153,573	15,674	16,432	17,636	16,934
New Mexico	14,506	12,973	15,307	19,292	85	64	96	89
Arizona	24,789	21,423	23,424	29,134	22	29	201	320
Utah	53,700	48,973	54,067	65,117	6,606	6,421	6,360	5,956
Nevada	10,658	5,804	6,741	8,367	43	14	16	19
Pacific	972,970	972,407	1,040,893	1,203,342	123,315	149,305	170,115	176,316
Washington	175,591	176,942	180,313	254,902	18,531	20,598	21,712	26,595
Oregon	102,061	100,280	102,959	116,455	7,773	7,950	8,697	9,622
California	695,318	695,176	757,622	831,984	97,011	120,757	139,701	140,099

[1] Includes group insurance. [2] Totals include small amounts not distributed by States.

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 323.—LIFE INSURANCE: ORDINARY AND INDUSTRIAL INSURANCE IN FORCE, BY STATES

NOTE.—See headnote, Table 322

[All figures in millions and tenths of millions of dollars]

Division and State	Ordinary [1]				Industrial			
	1910	1920	1927	1928	1910	1920	1927	1928
Continental United States [2]	11,337.0	33,543.0	68,843.1	78,081.3	2,792.0	6,935.8	15,110.9	16,232.3
New England	1,026.3	2,651.2	5,219.3	5,692.7	432.4	894.5	1,805.5	1,915.2
Maine	85.8	200.5	378.1	430.1	16.5	42.4	93.8	100.5
New Hampshire	53.0	119.3	233.7	251.6	14.4	30.6	72.9	78.4
Vermont	57.6	109.9	208.2	226.3	7.0	16.5	37.7	41.7
Massachusetts	592.7	1,500.0	2,811.0	3,038.3	257.3	522.6	1,012.4	1,063.0
Rhode Island	77.2	221.3	429.1	464.5	52.6	102.3	200.7	212.4
Connecticut	160.0	500.3	1,159.2	1,282.1	84.5	180.0	387.9	419.2
Middle Atlantic	3,326.0	9,122.4	20,915.0	23,258.3	1,172.5	2,799.1	6,104.0	6,482.0
New York	1,865.2	5,196.4	12,315.4	13,730.2	705.1	1,342.6	3,089.2	3,330.5
New Jersey	350.9	1,024.9	2,414.1	2,756.4	----------	517.6	1,081.9	1,155.3
Pennsylvania	1,110.0	2,901.1	6,185.5	6,771.7	467.4	938.9	1,932.9	1,996.2
East North Central	2,390.7	7,400.9	15,514.1	19,584.0	569.9	1,481.9	3,241.1	3,495.1
Ohio	681.3	2,063.2	4,277.2	4,711.8	197.1	516.1	1,086.8	1,161.5
Indiana	322.9	847.9	1,650.6	3,503.2	95.8	232.9	481.3	509.4
Illinois	917.0	2,674.7	5,441.2	6,422.2	193.7	469.5	995.4	1,079.2
Michigan	303.9	1,110.2	2,622.8	3,255.3	47.8	159.4	434.1	480.0
Wisconsin	165.7	705.0	1,522.2	1,691.4	35.6	103.9	243.5	264.9
West North Central	1,405.7	4,410.1	7,465.1	8,082.5	163.0	420.0	838.2	899.2
Minnesota	262.3	790.6	1,549.1	1,670.9	16.8	52.1	127.9	138.8
Iowa	299.5	922.0	1,429.4	1,475.9	----------	46.9	81.8	100.0
Missouri	425.5	1,206.6	2,279.1	2,477.5	122.4	254.1	494.9	519.5
North Dakota	56.3	220.9	270.4	289.5	----------	.1	.2	.2
South Dakota	67.7	236.4	267.1	371.8	----------	.2	.3	.2
Nebraska	149.4	540.9	788.1	852.1	3.8	19.9	42.0	45.3
Kansas	145.1	492.8	881.8	944.8	20.0	46.6	91.1	95.2
South Atlantic	1,129.6	3,223.9	6,086.6	6,497.2	248.9	627.6	1,431.3	1,619.9
Delaware	22.0	104.4	207.7	235.6	17.2	32.1	54.7	59.4
Maryland	177.7	454.4	934.8	1,000.9	97.4	197.4	353.7	472.0
Dist. of Columbia	70.5	173.9	414.1	478.1	33.2	34.9	105.7	109.8
Virginia	163.7	520.1	892.6	953.2	39.3	101.1	212.0	221.8
West Virginia	94.7	298.3	640.1	661.7	15.0	51.6	95.9	100.8
North Carolina	143.9	502.9	962.1	1,035.9	22.2	75.7	189.6	205.3
South Carolina	127.3	363.6	493.2	515.9	----------	50.6	127.1	137.6
Georgia	263.0	625.6	957.6	1,025.0	24.7	73.5	204.4	225.4
Florida	66.9	180.8	584.3	590.7	----------	10.8	88.3	87.8
East South Central	674.5	1,607.9	3,060.9	3,263.5	109.7	291.1	593.6	635.8
Kentucky	228.3	464.6	882.0	934.0	63.3	129.3	239.7	244.5
Tennessee	170.6	494.6	990.1	1,076.0	37.5	94.5	201.3	231.0
Alabama	154.8	378.5	751.2	791.8	8.9	47.5	121.7	127.7
Mississippi	120.8	270.2	437.6	461.7	----------	19.8	31.0	32.7
West South Central	479.0	2,115.5	3,997.6	4,431.6	37.3	175.5	448.6	489.7
Arkansas	89.8	293.1	507.2	545.5	2.9	18.4	36.7	38.9
Louisiana	150.2	359.3	689.6	730.8	29.8	66.3	121.7	128.1
Oklahoma	78.7	465.4	827.7	920.6	4.6	27.6	82.6	88.8
Texas	[3] 160.2	997.7	1,973.1	2,234.8	(3)	63.2	207.6	233.9
Mountain	345.5	1,082.0	1,666.2	1,841.8	5.8	49.8	108.0	113.5
Montana	54.1	183.4	235.6	259.2	1.8	7.0	11.7	12.4
Idaho	27.6	141.9	159.4	182.6	----------	2.1	5.2	5.2
Wyoming	17.5	61.0	84.9	92.6	----------	.2	.3	.3
Colorado	145.3	369.1	675.2	738.8	----------	25.0	64.7	68.3
New Mexico	19.0	61.5	84.4	94.6	----------	.1	.4	.4
Arizona	25.4	79.6	129.4	144.2	----------	----------	.7	1.0
Utah	45.5	162.2	256.4	285.6	4.0	15.3	24.9	25.5
Nevada	11.0	23.3	40.9	44.2	----------	.1	.3	.3
Pacific	559.7	1,929.1	4,875.3	5,361.3	52.5	196.4	539.2	580.2
Washington	125.6	453.9	867.4	993.1	8.8	37.3	80.4	86.1
Oregon	79.2	272.1	570.3	611.7	3.6	15.0	33.2	35.4
California	354.9	1,203.0	3,437.5	3,756.5	40.0	144.1	425.6	458.8

[1] Includes group insurance.
[2] Totals for 1927 and 1928 include small amounts not distributed by States.
[3] Industrial included in ordinary.

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 324.—LIFE INSURANCE OF FRATERNAL ORDERS IN THE UNITED STATES

NOTE.—Although the number of orders reporting varies considerably, most of the larger orders report regularly, so that the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of orders as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting

[All figures, except number of orders and certificates, in thousands of dollars]

Calendar year	Number of orders	Assets	Liabilities	Income	
				Total	Net received from members
1901	489	29,427	8,470	81,629	72,243
1905	570	64,492	11,415	95,675	91,355
1910	497	129,427	18,755	128,632	114,339
1915	472	212,822	28,040	133,341	122,295
1917	533	280,738	32,736	155,090	140,417
1918	506	270,059	71,966	155,878	140,372
1919	463	295,581	57,903	180,124	160,021
1920	[1] 336	326,077	55,562	181,229	165,152
1921	[1] 283	326,530	63,662	194,798	171,174
1922	[1] 245	340,086	77,956	197,663	173,239
1923	[1] 227	490,855	100,837	206,570	128,149
1924	[1] 228	565,929	110,570	216,226	186,325
1925	[1] 224	628,262	125,989	222,147	188,370
1926	[1] 249	659,876	120,193	224,336	181,664
1927	[1] 235	759,517	107,063	238,431	193,298
1928	[1] 262	824,304	196,197	244,990	197,162

Calendar year	Disbursements			Amount of insurance written during year	In force at end of year	
	Total	Paid for claims	To agents and for management		Amount	Number of certificates (thousands)
1901	77,343	64,128	8,850	799,627	5,656,453	4,519
1905	85,154	72,552	11,349	1,026,308	8,150,351	6,119
1910	110,168	92,280	16,897	1,331,553	9,562,512	8,558
1915	123,625	98,720	16,133	922,891	8,694,449	7,696
1917	134,938	97,398	20,712	822,042	9,129,974	7,467
1918	137,191	118,621	17,782	834,170	8,838,579	8,021
1919	172,013	141,380	24,600	1,327,958	9,531,217	10,380
1920	135,807	109,595	26,213	1,177,971	8,879,452	8,439
1921	136,604	107,925	28,679	785,131	9,159,042	8,578
1922	151,589	110,568	34,063	915,555	8,687,939	8,016
1923	151,894	109,545	32,854	795,023	8,758,555	7,514
1924	153,308	116,432	31,789	1,096,813	9,805,648	12,514
1925	160,466	121,241	36,245	1,105,881	9,769,609	8,452
1926	159,264	121,212	34,304	1,033,285	9,834,697	8,549
1927	170,740	130,398	37,163	1,025,522	9,726,662	8,342
1928	181,576	140,159	38,081	1,039,847	9,324,056	9,004

[1] See headnote.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 325.—MUTUAL ACCIDENT AND SICK BENEFIT ASSOCIATIONS: FINANCIAL CONDITION AND BUSINESS TRANSACTED

NOTE.—Although many small companies formerly reporting are not covered in recent years, the large companies have reported regularly, and the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of companies as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting

[All figures, except number of companies and certificates, in thousands of dollars]

Year	Number of companies	Admitted assets	Net surplus	Premiums or assessments	Income (including interest)	Paid for claims	Paid to agents, medical examiners, and for management	Total disbursements	Number of certificates written during year	Number of certificates in force at end of year
1901	102	1,617	1,490	2,957	3,201	1,643	1,753	3,348	286,183	310,092
1905	165	3,769	3,198	6,134	7,513	3,513	3,330	6,862	667,809	887,804
1910	197	5,169	3,665	9,291	10,938	5,169	4,258	10,434	946,340	1,382,415
1915	177	7,103	4,483	10,969	12,555	6,955	4,354	11,769	693,654	1,359,368
1916	167	8,622	5,776	14,399	16,621	8,845	5,969	15,678	990,436	1,730,035
1917	167	9,972	6,798	15,627	18,134	9,115	5,770	16,162	1,137,077	1,878,222
1918	161	10,250	6,815	15,235	16,742	9,654	5,661	15,796	751,522	1,688,401
1919	123	12,745	8,898	19,295	21,033	10,257	7,605	18,366	797,845	1,837,435
1920	[1] 67	13,709	9,690	19,538	22,712	10,580	8,771	19,944	713,270	1,853,328
1921	[1] 62	15,250	11,149	18,929	22,125	10,584	7,621	19,306	607,438	1,773,787
1922	[1] 82	28,577	21,657	19,429	22,490	11,684	6,532	19,035	611,703	1,739,444
1923	[1] 127	30,749	17,488	31,462	34,435	17,932	12,711	30,938	582,168	1,679,361
1924	[1] 107	47,236	34,215	41,758	44,708	23,337	10,767	38,233	731,285	2,168,901
1925	[1] 167	46,682	31,558	40,807	44,903	22,395	15,019	36,672	807,722	2,170,562
1926	[1] 173	44,244	29,579	44,901	48,720	26,408	17,978	43,424	644,782	2,036,053
1927	[1] 173	44,992	28,881	47,579	50,892	27,958	18,766	47,608	841,384	2,259,669
1928	[1] 160	41,720	25,850	44,245	48,676	27,909	20,887	45,582	641,859	1,807,292

[1] See headnote.

No. 326.—CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE: FINANCIAL CONDITION AND BUSINESS TRANSACTED (STOCK COMPANIES ONLY)

NOTE.—Data cover practically all stock companies doing casualty or surety business in United States

[All figures, except number of companies, in thousands of dollars]

Year	Number of companies	Capital	Assets	Net surplus over capital and liabilities	Net premiums[1]	Total income	Payments to policyholders[2]	Actual expenses of management (including taxes)	Total expenditures
1895	53	20,676	42,211	13,044	16,684	19,318	5,916	8,755	15,697
1900	57	23,572	65,808	27,059	27,186	30,348	12,755	15,419	27,504
1905	84	43,630	152,866	39,070	55,344	63,191	21,647	28,922	54,353
1910	154	65,485	309,716	78,176	94,395	111,042	41,465	57,915	100,115
1915	181	78,024	603,670	78,035	160,320	174,892	75,444	74,251	159,397
1916	186	74,937	642,621	84,178	199,063	220,621	89,370	84,193	183,151
1917	189	74,273	692,195	76,796	241,514	257,518	104,986	95,171	208,948
1918	179	92,239	852,466	87,990	304,614	330,696	122,745	117,792	255,912
1919	174	89,484	926,951	89,651	364,389	392,239	150,176	145,087	313,430
1920	[3] 189	93,737	1,014,386	92,861	459,170	489,774	196,360	183,514	400,724
1921	[3] 205	98,874	1,139,586	115,749	467,046	499,742	229,284	205,675	460,522
1922	[3] 189	119,890	1,304,134	144,295	444,241	498,143	221,690	201,461	464,551
1923	[3] 240	138,251	1,492,323	156,999	545,689	582,827	277,395	238,747	532,945
1924	[3] 258	150,009	1,671,188	179,679	613,941	665,395	320,883	251,950	600,568
1925	[3] 274	159,630	1,934,744	202,680	698,729	752,037	347,440	286,024	660,092
1926	[3] 289	186,265	2,173,151	225,542	764,357	827,911	387,311	312,096	729,230
1927	[3] 334	211,356	2,473,647	293,829	834,878	901,494	427,344	341,023	788,865
1928	[3] 358	253,675	2,855,115	372,061	922,112	992,696	445,709	362,830	833,435

[1] Total premium receipts prior to 1910.
[2] Includes all expenses in connection with payment of claims.
[3] Number of companies which show figures for the year.

Source of Tables 325 and 326: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 327.—STOCK CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE COMPANIES: PREMIUMS AND LOSSES, BY CLASSES OF INSURANCE

NOTE.—Data cover about 80 per cent of the business of stock casualty, surety, and miscellaneous insurance companies, excluding a large number of smaller companies and those that do not transact multiple casualty lines

[All money figures in thousands of dollars]

Class	1927			1928			1929		
	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent
Total	679, 574	358, 410	52. 7	712, 582	371, 168	52. 1	761, 167	411, 892	54. 1
Accident[1]	50, 873	23, 802	46. 7	48, 780	23, 960	49. 1	53, 451	26, 237	49. 1
Automobile (not segregated)[2]	10, 063	[1] 5, 635	56. 0	12, 142	6, 274	51. 7	11, 315	7, 261	64. 2
Automobile collision	14, 038	9, 656	68. 8	15, 177	8, 984	59. 2	23, 167	14, 254	61. 5
Automobile fire	192	80	41. 6	385	88	23. 0			
Automobile fire, theft, etc.[3]	2, 001	822	41. 1	1, 700	608	35. 8	1, 957	663	33. 7
Automobile liability	144, 666	81, 792	56. 6	172, 471	91, 814	53. 2	189, 338	105, 383	55. 7
Automobile property damage	57, 697	28, 192	48. 9	55, 720	28, 593	51. 3	64, 399	34, 336	53. 3
Automobile theft	48	21	45. 7	329	132	40. 2			
Burglary and theft	35, 500	12, 441	35. 0	36, 917	12, 595	34. 1	36, 091	13, 155	36. 4
Credit	4, 600	2, 531	55. 0	4, 877	2, 526	52. 9	5, 027	2, 537	50. 5
Engine and machinery	3, 254	802	24. 7	4, 455	945	21. 2	3, 647	907	24. 9
Fidelity	36, 783	16, 746	45. 5	44, 783	20, 177	45. 1	45, 284	20, 626	45. 6
Health[1]	17, 397	10, 917	62. 8	16, 598	10, 412	62. 7	18, 053	11, 942	66. 1
Highway				2, 830	1, 255	44. 4	2, 326	1, 573	67. 6
Liability	53, 663	25, 968	48. 4	59, 362	28, 389	47. 8	61, 807	27, 634	44. 7
Livestock	868	646	74. 4	1, 135	683	60. 2	889	628	70. 7
Noncancelable accident and health	4, 708	2, 093	44. 5	4, 923	2, 444	49. 6	5, 400	2, 690	49. 8
Plate glass	15, 694	5, 536	35. 3	14, 256	5, 185	36. 4	13, 433	5, 617	41. 8
Property damage and collision	2, 155	847	39. 3	2, 399	886	36. 9	2, 825	960	34. 0
Sprinkler	1, 091	370	33. 9	1, 077	416	38. 6	1, 149	362	31. 5
Steam boiler	6, 811	964	14. 1	7, 889	1, 338	17. 0	7, 787	1, 052	13. 5
Surety	61, 333	26, 006	42. 4	56, 388	22, 683	40. 2	57, 555	24, 006	41. 7
Workmen's collective	263	133	50. 7	81	113	139. 5	168	91	54. 4
Workmen's compensation	155, 763	102, 379	65. 7	150, 802	101, 637	67. 4	155, 860	109, 935	70. 5
Other	112	31	27. 7	93	32	34. 4	248	45	18. 1

[1] Combined accident and health included with accident.
[2] Includes small amounts of automobile accident, plate glass, tornado, and other miscellaneous classes.
[3] Data for motor-vehicle fire and theft insurance of fire and marine companies in 1927 and 1928 are as follows: 1927, premiums received $127,449,000, losses paid $60,559,000; 1928, premiums received $118,490,000, losses paid $46,850,000. Data for 1929 are not available.

Source: The Spectator Co., New York, N. Y.

No. 328.—DIVIDEND AND INTEREST PAYMENTS

NOTE.—All figures in thousands of dollars. Data cover railroad, industrial and traction companies, banks and trust companies, the National Government, and the New York City government

Calendar year	Total dividend and interest payments	Interest payments	Dividend payments			
			Total[1]	Industrial and miscellaneous corporations	Steam railroads	Street railways
1913	1, 777, 237	939, 184	838, 053	462, 320	296, 795	58, 873
1914	1, 787, 376	965, 600	821, 776	438, 357	294, 588	64, 417
1915	1, 865, 111	1, 072, 878	792, 233	436, 487	283, 353	61, 790
1916	2, 135, 033	1, 208, 926	926, 107	539, 832	313, 135	72, 241
1917	3, 389, 136	1, 310, 866	1, 078, 270	678, 504	312, 460	77, 910
1918	2, 724, 732	1, 702, 525	1, 022, 207	645, 461	289, 625	75, 821
1919	3, 189, 184	2, 232, 243	956, 942	579, 167	284, 454	71, 719
1920	3, 414, 876	2, 432, 784	982, 092	601, 680	285, 985	72, 888
1921	3, 341, 809	2, 419, 345	922, 464	542, 402	284, 020	71, 641
1922	3, 399, 719	2, 469, 070	930, 649	524, 675	282, 100	70, 818
1923	3§585, 217	2, 621, 966	963, 251	541, 441	289, 120	75, 750
1924	3, 840, 590	2, 827, 901	1, 012, 689	566, 170	301, 195	84, 090
1925	4, 083, 828	3, 014, 953	1, 068, 875	596, 050	315, 015	93, 335
1926	4, 391, 185	3, 218, 500	1, 172, 685	664, 375	331, 115	109, 695
1927	5, 570, 548	3, 471, 398	2, 099, 150	1, 555, 475	349, 500	124, 675
1928	6, 028, 184	3, 702, 674	2, 325, 510	1, 702, 980	391, 480	122, 150
1929	7, 055, 748	4, 109, 948	2, 945, 800	2, 228, 900	454, 000	126, 900

[1] Includes bank dividends not separately shown.

Source: Survey of Current Business, compiled from New York Journal of Commerce.

No. 329.—CAPITAL ISSUES: Corporate, Foreign Government, Farm Loan, and State and Municipal

NOTE.—**In millions and tenths of millions of dollars.** Preferred stocks of no par value and all common stocks are taken at their offering price, other issues at par. Privileged stock subscriptions are included. State and municipal issues include bonds issued by States, counties, and municipalities, and by school and road districts, and other independent governmental bodies. Totals for earlier years are as follows: All issues—1919, $4,286,189,000; 1920, $4,010,048,000; 1921, $4,203,793,000. New capital—1919, $3,588,403,000; 1920, $3,634,834,000; 1921, $3,576,738,000. Refunding—1919, $697,786,000; 1920, $375,214,000; 1921, $627,055,000

Kind of issue	1922	1923	1924	1925	1926	1927	1928	1929
TOTAL								
All issues	5,235.9	4,989.7	6,352.5	7,126.0	7,430.3	9,933.7	9,991.8	11,604.2
Corporate, total	3,073.3	3,232.8	3,838.6	4,738.1	5,299.6	7,319.2	7,817.9	10,036.4
Domestic—								
Long-term bonds and notes	2,191.7	2,249.3	2,319.5	2,667.3	3,059.1	4,466.2	3,174.1	2,369.4
Short-term bonds and notes	133.8	180.5	335.7	308.0	294.5	302.5	264.9	250.6
Preferred stocks	332.8	406.7	346.1	636.8	543.6	1,054.7	1,397.1	1,694.7
Common stocks	287.7	329.2	519.6	610.1	676.6	683.5	2,094.1	5,071.8
Canadian	45.7	43.0	112.4	112.3	203.4	265.4	282.1	314.1
Other foreign	81.7	24.1	205.4	403.7	522.4	546.9	605.5	335.7
Foreign government	431.3	242.8	778.0	645.4	514.1	777.1	651.1	68.3
Farm-loan issues	386.4	392.5	179.1	188.2	131.3	179.6	63.9	--------
State and municipal:								
Domestic	1,100.7	1,063.1	1,399.0	1,399.6	1,365.1	1,509.6	1,414.8	1,432.7
Canadian	201.1	50.2	149.0	146.0	109.8	135.3	38.1	61.8
U. S. territories and possessions	43.0	8.2	8.8	8.7	10.4	12.9	6.2	5.1
NEW CAPITAL								
All issues	4,304.4	4,304.4	5,593.2	6,220.2	6,344.1	7,791.1	8,114.4	10,194.9
Corporate, total	2,335.7	2,702.5	3,322.3	4,100.7	4,357.0	5,391.0	6,079.6	8,649.4
Domestic:								
Long-term bonds and notes	1,537.1	1,832.9	1,923.8	2,231.3	2,417.7	2,962.0	2,174.8	1,873.5
Short-term bonds and notes	104.4	143.3	276.1	220.7	249.2	220.7	210.5	204.7
Preferred stocks	292.8	335.1	318.0	594.3	509.3	874.2	1,149.1	1,516.7
Common stocks	277.2	324.1	511.2	558.3	577.8	599.9	1,811.6	4,417.1
Canadian	43.8	43.0	97.8	94.5	140.9	215.6	183.3	314.1
Other foreign	80.4	24.1	195.4	401.7	462.2	518.6	550.2	323.2
Foreign government	416.3	186.8	570.9	540.8	481.3	737.6	550.6	68.3
Farm-loan issues	344.4	337.5	179.1	168.7	91.1	86.8	63.9	--------
State and municipal:								
Domestic	1,070.9	1,043.1	1,379.6	1,352.1	1,343.5	1,475.0	1,379.1	1,419.9
Canadian	94.0	26.3	132.4	49.2	60.8	89.3	35.1	52.2
U. S. territories and possessions	43.0	8.2	8.8	8.7	10.4	11.4	6.2	5.1
REFUNDING								
All issues	931.5	685.3	759.3	905.9	1,086.1	2,142.6	1,877.5	1,409.3
Corporate, total	737.5	530.3	516.3	637.4	942.6	1,928.2	1,738.3	1,386.9
Domestic:								
Long term bonds and notes	654.6	416.4	395.7	436.0	641.4	1,504.2	999.3	495.9
Short-term bonds and notes	29.3	37.2	59.6	87.3	45.3	81.8	54.4	45.9
Preferred stocks	40.0	71.6	28.1	42.5	34.3	180.5	248.0	178.0
Common stocks	10.5	5.2	8.4	51.8	98.8	83.7	282.5	654.7
Canadian	1.9	--------	14.5	17.8	62.6	49.8	98.8	--------
Other foreign	1.2	--------	10.0	2.0	60.2	28.3	55.3	12.4
Foreign government	15.0	56.0	207.1	104.6	32.9	39.5	100.5	--------
Farm-loan issues	42.0	55.0	--------	19.5	40.2	92.8	--------	--------
State and municipal:								
Domestic	29.8	20.0	19.3	47.5	21.5	34.6	35.6	12.8
Canadian	107.1	23.9	16.6	96.8	49.0	46.0	3.0	9.6
U. S. territories and possessions	--------	--------	--------	--------	--------	1.5	--------	--------
CORPORATE ISSUES, NEW CAPITAL								
Total	2,335.7	2,702.5	3,322.3	4,100.7	4,357.0	5,391.0	6,079.6	8,649.4
Railroads	523.8	464.5	779.6	380.3	346.0	505.7	364.1	546.5
Public utilities	726.2	888.0	1,325.6	1,481.0	1,597.9	2,065.3	1,811.5	1,932.0
Iron, steel, coal, copper, etc	184.9	291.9	197.9	133.1	193.2	100.5	208.2	274.4
Equipment manufacturers	10.2	13.8	19.0	13.8	17.8	23.8	9.1	2.4
Motors and accessories	48.4	66.8	29.5	186.1	131.4	94.7	66.3	82.1
Other industrial and manufacturing	239.7	324.3	261.4	501.4	526.9	705.4	852.5	1,187.2
Oil	151.1	194.8	167.1	168.4	262.7	317.3	193.7	270.9
Land, buildings, etc	161.9	250.9	333.4	715.5	709.5	630.4	716.3	520.4
Rubber	19.8	1.7	2.0	64.8	43.2	12.7	55.9	90.0
Shipping	20.5	3.6	13.8	30.1	21.5	26.3	21.2	31.3
Inv. trusts, trading, holding, etc	249.4	202.3	192.9	15.1	71.1	174.9	786.7	2,222.2
Miscellaneous				411.2	435.9	734.0	994.2	1,489.9

Source: Commercial and Financial Chronicle.

No. 330.—CAPITAL ISSUES OF CORPORATIONS

NOTE.—Data cover domestic and foreign corporate issues in the United States of $100,000 or over, both new capital and refunding, excluding real estate offerings and prior to November, 1927, privileged stock subscriptions. Stocks are taken at their offering price, bonds and notes at par

[All figures in thousands of dollars]

Year	Total	Railway and traction[1]				Public utility and industrial[1]			
		Total	Bonds	Notes	Stocks	Total	Bonds	Notes	Stocks
1907	1,393,913	957,049	440,588	267,597	248,864	436,864	183,660	68,100	185,104
1908	1,423,199	999,115	604,114	274,195	120,896	424,084	197,850	21,850	204,384
1909	1,681,621	1,015,207	653,356	52,787	309,065	666,413	322,181	42,625	301,607
1910	1,518,272	876,581	547,649	212,951	115,981	641,691	290,846	61,754	289,091
1911	1,739,488	1,099,206	670,815	326,948	101,443	640,282	322,094	67,590	250,598
1912	2,253,587	1,096,052	503,715	346,310	246,027	1,157,536	379,355	120,076	658,106
1913	1,645,736	953,933	414,081	398,361	141,491	691,803	225,190	156,245	310,368
1914	1,436,518	930,657	433,422	421,999	75,236	505,861	214,977	104,347	186,538
1915	1,435,351	780,217	541,351	216,515	22,351	655,135	241,839	110,919	302,378
1916	2,186,500	779,921	359,114	311,181	109,626	1,406,579	535,175	199,507	671,897
1917	1,529,970	520,752	173,902	308,100	38,750	1,009,219	349,395	244,121	415,703
1918	1,344,810	417,305	158,997	256,843	1,465	927,506	190,598	440,646	296,262
1919	3,021,171	432,615	247,250	182,435	2,930	2,588,556	441,885	552,994	1,593,678
1920	3,106,931	415,935	258,505	145,954	11,475	2,690,996	754,943	790,331	1,145,722
1921	2,634,869	747,999	650,932	62,480	34,587	1,886,870	1,164,978	302,066	419,825
1922	3,423,948	700,238	423,115	248,299	28,823	2,723,710	1,580,695	65,567	1,077,449
1923	3,601,438	692,921	285,427	349,730	57,764	2,908,517	1,556,975	178,963	1,172,579
1924	3,219,146	993,421	599,817	326,273	37,331	2,255,726	1,548,565	102,500	604,661
1925	3,642,012	474,229	332,113	142,116	--------	3,167,783	1,762,136	371,197	1,034,450
1926	3,643,646	360,744	267,733	83,562	9,449	3,282,902	2,053,176	426,927	802,799
1927	5,970,297	791,202	685,406	100,102	5,693	5,179,084	3,505,910	589,532	1,083,642
1928	7,191,173	668,489	410,600	29,500	228,389	6,522,684	2,620,570	274,119	3,627,995
1929	7,217,037	528,660	439,578	26,860	62,222	6,688,377	1,805,327	223,728	4,659,322

Year	All classes of securities issued by—				Year	All classes of securities issued by—			
	Railroads	Public utilities[2]	Manufacturing	Miscellaneous		Railroads	Public utilities[2]	Manufacturing	Miscellaneous
1912	716,629	763,667	458,782	314,510	1921	644,780	743,640	583,798	662,650
1913	816,332	437,126	228,479	163,799	1922	673,713	864,668	566,927	1,318,640
1914	738,575	469,240	105,545	123,158	1923	658,457	1,199,405	696,511	1,047,066
1915	644,794	323,880	309,186	157,491	1924	914,283	1,190,681	643,228	479,955
1916	636,157	603,533	589,420	357,391	1925	432,011	1,533,365	1,009,055	667,581
1917	438,553	341,867	476,784	272,766	1926	360,744	1,667,751	847,629	767,520
1918	237,341	478,494	345,092	283,885	1927	791,202	2,405,298	1,087,272	1,686,515
1919	332,076	549,756	948,376	1,190,964	1928	668,489	2,427,790	2,311,351	1,783,543
1920	328,969	589,953	929,591	1,258,417	1929	528,660	1,559,145	2,578,364	2,550,868

[1] Tractions included with public utility and industrial beginning 1926. [2] Including tractions.

No. 331.—BROKERS' LOANS OUTSTANDING EACH MONTH, 1926 TO 1929

NOTE.—In millions of dollars. Figures cover net loans obtained by New York Stock Exchange members on collateral contracted for and carried in New York

End of—	Total				Demand loans				Time loans			
	1926	1927	1928	1929	1926	1927	1928	1929	1926	1927	1928	1929
January	3,513	3,139	4,420	6,735	2,517	2,328	3,393	5,983	996	810	1,027	752
February	3,536	3,256	4,323	6,679	2,495	2,475	3,294	5,948	1,041	781	1,028	730
March	3,000	3,290	4,640	6,804	2,033	2,505	3,580	6,210	967	785	1,060	594
April	2,836	3,341	4,908	6,775	1,970	2,541	3,739	6,204	866	800	1,169	571
May	2,767	3,458	5,274	6,665	1,987	2,674	4,070	6,100	780	784	1,204	565
June	2,926	3,569	4,898	7,071	2,225	2,757	3,742	6,444	701	812	1,157	627
July	2,998	3,642	4,837	7,474	2,283	2,765	3,768	6,870	715	877	1,070	604
August	3,142	3,674	5,051	7,882	2,364	2,746	4,094	7,162	778	928	958	720
September	3,219	3,915	5,514	8,549	2,419	3,018	4,690	7,832	800	897	824	717
October	3,111	3,946	5,880	6,109	2,289	3,023	5,116	5,238	822	923	764	871
November	3,129	4,092	6,392	4,017	2,330	3,134	5,614	3,297	800	958	777	719
December	3,293	4,433	6,440	3,990	2,542	3,481	5,722	3,376	751	952	717	613

Sources: Table 330, New York Journal of Commerce; Table 331, Federal Reserve Board.

No. 332.—NEW YORK STOCK EXCHANGE TRANSACTIONS

Item	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Stocks (millions of shares)	227	173	259	236	282	454	451	577	920	1,125
Bonds (millions of dollars):										
Railway and miscellaneous	827	1,043	1,905	1,568	2,345	2,332	2,004	2,142	1,967	2,182
United States Government	2,861	1,957	1,873	796	877	391	202	290	188	142
State, municipal, and foreign	289	324	592	425	582	661	721	837	749	658

Source: Commercial and Financial Chronicle.

No. 333.—MOVEMENTS OF AVERAGE PRICES OF STOCKS AND BONDS ON THE NEW YORK STOCK EXCHANGE, BY YEARS

Year	Stocks (dollars per share)						Price index, 40 bonds (per cent of par) [2]	Bond yields municipal bonds (per cent) [3]
	25 industrials			25 railroads				
	High	Low	Average closing [1]	High	Low	Average closing [1]		
1913	67.08	50.27	58.19	91.41	75.92	82.97	----------	4.45
1914	61.68	48.48	58.08	84.94	66.35	77.57	----------	4.16
1915	109.97	51.85	75.35	82.84	64.40	73.16	76.76	4.23
1916	119.30	86.60	99.14	85.70	74.83	80.05	80.49	4.06
1917	99.74	62.81	85.44	81.22	52.06	69.12	75.58	4.31
1918	91.55	71.31	80.98	70.75	56.95	61.34	69.84	4.58
1919	138.12	80.37	105.77	68.78	54.48	62.06	69.07	4.50
1920	129.83	76.55	107.21	63.55	48.86	55.94	59.70	5.04
1921	90.60	66.24	79.38	63.00	47.59	53.21	60.15	5.02
1922	116.24	79.86	98.58	70.53	52.57	62.38	74.11	4.21
1923	118.41	99.05	107.78	67.05	54.61	60.15	71.72	4.27
1924	135.11	103.26	115.08	81.41	57.80	67.18	74.32	4.21
1925	185.36	128.83	152.65	95.29	73.50	82.48	77.04	4.13
1926	186.03	137.65	165.70	102.60	81.61	93.27	80.36	4.13
1927	247.48	171.49	214.54	124.22	99.34	113.81	83.69	3.99
1928	332.58	233.42	268.92	132.80	112.84	122.06	84.06	4.05
1929	469.49	220.95	366.29	158.71	107.92	135.87	79.21	4.32

[1] Average of daily closing prices for these stocks.
[2] Computed from the yields on the average prices of the selected bonds for each day of the month, the average yield being capitalized at 4 per cent to give the combined index.
[3] Average market yield of bonds of 20 large cities at the end of each month since Jan. 31, 1917; previous figures are for the first of the month.

Sources: Stock prices, The Annalist; bond price index, Dow, Jones & Co.; bond yields, the Bond Buyer.

No. 334.—INDEXES OF VALUE OF SALES OF MAIL-ORDER HOUSES AND CHAIN STORES

NOTE.—1923-1925 average=100. Indexes for mail-order houses cover two companies throughout. The number of chain-store companies reporting varied from year to year, but in computing the indexes adjustment has been made for these variations. No adjustment has been made, however, to eliminate the influence of increase in the number of stores operated by the individual companies, which accounts for a considerable part of the increase in the indexes. Sales are much affected by changes in price levels. For price index see Table 335

Year	Mail-order houses	Chain stores			Year	Mail-order houses	Chain stores		
		Grocery	5-and-10-cent	Drug			Grocery	5-and-10-cent	Drug
1919	93	45	53	64	1925	113	118	113	109
1920	93	66	64	78	1926	120	143	125	126
1921	65	59	66	79	1927	126	174	138	143
1922	70	69	74	82	1928	148	208	150	166
1923	89	85	88	93	1929	187	235	164	204
1924	98	97	99	98					

Sources: Mail-order houses, Survey of Current Business; other figures, Federal Reserve Board.

No. 335.—INDEXES OF VALUE OF WHOLESALE SALES

NOTE.—1923-1925 average=100. Indexes of sales have been adjusted for variations in number of firms reporting and monthly indexes for seasonal variations. Sales are much affected by changes in price levels

Year and month	Total sales, 8 lines	Groceries	Meats	Dry goods	Men's clothing	Boots and shoes	Hardware	Drugs	Furniture	General wholesale price index [1]
1919	111	118	145	100	78	140	96	91	--------	138
1920	115	126	121	107	106	125	116	95	--------	153
1921	87	93	80	91	72	99	80	86	73	97
1922	89	93	83	89	80	97	86	87	85	96
1923	100	100	94	103	99	104	102	97	102	100
1924	98	101	96	97	98	98	97	99	93	97
1925	102	99	110	100	103	98	101	104	105	103
1926	101	98	115	94	95	101	100	107	102	99
1927	97	94	108	89	92	104	95	108	100	95
1928	96	95	113	85	91	98	93	113	98	97
January	96	93	106	89	99	115	92	108	89	96
February	99	98	113	88	99	110	93	110	96	96
March	96	97	109	83	94	96	91	110	95	95
April	92	93	112	78	77	94	86	111	87	97
May	99	99	109	86	96	113	94	117	92	98
June	92	94	112	79	76	82	92	110	94	97
July	94	91	111	80	79	123	91	107	95	98
August	101	100	116	90	90	109	94	117	106	98
September	96	92	122	84	89	90	92	112	112	99
October	97	95	111	85	99	87	97	116	112	97
November	99	94	122	91	95	100	100	113	101	96
December	95	89	115	86	101	72	93	128	94	96
1929	98	95	119	86	91	102	95	117	102	96
January	101	99	117	88	96	119	92	133	91	97
February	96	95	119	83	88	107	86	114	91	96
March	97	91	122	88	98	95	92	108	93	97
April	100	96	123	90	88	95	97	116	100	96
May	102	99	121	89	101	112	96	118	104	95
June	96	93	120	79	96	96	93	111	106	96
July	100	98	121	80	80	138	97	117	107	97
August	104	100	118	91	95	118	98	124	115	97
September	99	93	119	88	91	106	97	116	114	97
October	100	97	116	88	88	91	100	122	118	96
November	96	93	118	84	87	87	97	116	96	94
December	89	90	111	78	81	68	90	111	83	94

[1] Department of Labor index converted to the base 1923-1925 as 100.

No. 336.—INDEXES OF VALUES OF SALES BY DEPARTMENT STORES: BY FEDERAL RESERVE DISTRICTS AND BY MONTHS

NOTE.—1923-1925 average=100. Index covers about 500 firms. See also headnote, Table 335

Year	United States	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City [1]	Dallas	San Francisco
1919	78	78	76	79	77	84	94	------	------	93	------	98	68
1920	94	91	91	93	98	93	113	------	------	105	------	117	83
1921	87	89	87	89	86	89	96	81	90	97	------	97	79
1922	88	92	89	91	87	86	90	84	89	93	------	90	83
1923	98	98	96	101	100	97	100	99	99	99	------	96	96
1924	99	100	99	99	99	99	98	98	98	99	95	100	99
1925	103	102	105	100	101	104	102	103	103	102	100	104	105
1926	106	105	109	102	103	107	106	109	105	99	95	109	110
1927	107	106	111	98	105	105	107	110	103	97	95	106	113
1928	108	104	112	96	103	106	107	117	104	90	97	108	117
1929	110	106	117	96	105	110	104	119	105	86	100	110	120

Month	United States—unadjusted					Month	United States—with seasonal adjustment				
	1925	1926	1927	1928	1929		1925	1926	1927	1928	1929
January	86	89	89	88	91	January	98	106	106	105	105
February	80	81	83	86	85	February	103	104	107	106	110
March	95	102	100	103	110	March	103	101	105	105	113
April	106	103	111	102	104	April	102	103	105	104	105
May	100	107	102	108	110	May	101	107	103	104	106
June	99	101	101	104	106	June	100	102	103	106	112
July	75	78	75	78	80	July	100	104	104	108	106
August	78	83	89	85	89	August	101	107	111	106	111
September	95	101	100	107	109	September	102	109	108	120	123
October	129	124	119	124	128	October	110	110	106	105	109
November	114	121	122	122	123	November	104	106	107	107	107
December	178	184	186	189	185	December	106	110	111	117	115

[1] Monthly average sales in 1925=100.

Source of Tables 335 and 336: Federal Reserve Board, except as noted.

No. 337.—COMMERCIAL FAILURES: NUMBER AND ASSETS AND LIABILITIES

Calendar year	Number of failures	Aggregate liabilities	Average liability	Calendar year	Total number of concerns in business	Number of failures	Aggregate assets	Aggregate liabilities	Average liability
		1,000 dollars	*Dollars*				*1,000 dollars*	*1,000 dollars*	*Dollars*
1858	4,225	95,749	22,662	1894	1,114,174	13,885	----------	172,993	12,458
1859	3,913	64,394	16,456	1895	1,209,282	13,197	21,022	173,196	13,124
1860	3,676	79,807	21,710	1896	1,151,579	15,088	56,082	226,096	14,985
1861	6,993	207,210	29,631	1897	1,058,521	13,351	85,014	154,332	11,559
1862	1,652	23,049	13,952	1898	1,105,830	12,186	52,577	130,663	10,722
1863	495	7,899	15,958	1899	1,147,595	9,337	50,221	90,880	9,733
1864	520	8,579	16,498	1900	1,174,300	10,774	78,080	138,496	12,854
1865	530	17,625	33,255	1901	1,219,242	11,002	55,456	113,092	10,279
1866	1,505	53,783	35,736	1902	1,253,172	11,615	58,730	117,477	10,137
1867	2,780	96,666	34,772	1903	1,281,481	12,069	90,014	155,444	12,879
1868	2,608	63,694	24,423	1904	1,320,172	12,199	84,438	144,202	11,820
1869	2,799	75,054	26,815	1905	1,357,455	11,520	57,826	102,676	8,913
1870	3,546	88,242	24,885	1906	1,392,949	10,682	66,610	119,202	11,159
1871	2,915	85,252	29,246	1907	1,418,075	11,725	138,536	197,385	16,834
1872	4,069	121,056	29,751	1908	1,447,554	15,690	146,199	222,316	14,169
1873	5,183	223,499	44,036	1909	1,486,389	12,924	102,773	154,603	11,963
1874	5,830	155,239	26,628	1910	1,515,143	12,652	136,538	201,757	15,947
1875	7,740	201,060	25,977	1911	1,525,024	13,441	124,517	191,062	14,215
1876	9,092	191,118	21,020	1912	1,564,279	15,452	126,287	203,117	13,145
1877	8,872	190,670	21,491	1913	1,616,517	16,037	174,688	272,672	17,003
1878	10,478	234,383	22,369	1914	1,655,496	18,280	265,293	357,909	19,579
1879	1,658	98,149	14,741	1915	1,674,788	22,156	183,454	302,286	13,644
1880	4,735	95,352	13,886	1916	1,707,639	16,993	113,599	196,212	11,547
1881	5,582	81,156	14,530	1917	1,733,225	13,855	103,465	182,441	13,168
1882	6,738	101,548	15,070	1918	1,708,061	9,982	101,638	163,020	16,331
1883	9,184	172,874	18,823	1919	1,710,909	6,451	67,038	113,291	17,561
1884	10,968	226,343	20,632	1920	1,821,409	8,881	195,504	295,122	33,230
1885	10,637	134,220	11,678	1921	1,927,304	19,652	409,038	627,402	31,926
1886	9,834	114,644	11,651	1922	1,983,106	23,676	413,358	623,896	26,351
1887	9,634	167,561	17,391	1923	1,996,004	18,718	388,382	539,387	28,816
1888	10,679	123,830	12,559	1924	2,047,302	20,615	337,945	543,225	26,351
1889	10,882	148,734	13,692	1925	2,113,312	21,214	248,067	443,744	20,918
1890	10,907	189,857	17,406	1926	2,158,457	21,773	202,345	409,232	18,795
1891	12,273	189,869	15,471	1927	2,171,688	23,146	256,740	520,104	22,471
1892	10,344	114,044	11,025	1928	2,199,049	23,842	255,478	489,560	20,533
1893	15,242	346,780	22,751	1929	2,212,779	22,909	226,028	483,250	21,094

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Number of failures:												
1919	673	602	629	543	531	485	452	468	473	463	551	581
1920	569	492	566	504	547	674	681	673	677	923	1,050	1,525
1921	1,895	1,641	1,336	1,487	1,356	1,320	1,444	1,562	1,466	1,713	1,988	2,444
1922	2,723	2,331	2,463	2,167	1,960	1,740	1,753	1,714	1,566	1,708	1,737	1,814
1923	2,126	1,508	1,682	1,520	1,530	1,358	1,231	1,319	1,226	1,673	1,704	1,841
1924	2,108	1,730	1,817	1,707	1,816	1,607	1,615	1,520	1,306	1,696	1,653	2,040
1925	2,317	1,793	1,859	1,939	1,767	1,745	1,685	1,513	1,465	1,581	1,672	1,878
1926	2,296	1,801	1,984	1,957	1,730	1,708	1,605	1,593	1,437	1,763	1,830	2,069
1927	2,465	2,035	2,143	1,968	1,852	1,833	1,756	1,708	1,573	1,787	1,864	2,162
1928	2,643	2,176	2,236	1,818	2,008	1,947	1,723	1,852	1,635	2,023	1,838	1,943
1929	2,535	1,965	1,987	2,021	1,897	1,767	1,752	1,762	1,568	1,822	1,796	2,037
Liabilities (1,000 dollars):												
1919	10,736	11,489	13,595	11,450	11,957	9,483	5,507	5,932	8,791	6,872	9,177	8,300
1920	7,240	9,763	12,699	13,224	10,826	32,991	21,906	28,373	29,554	38,915	30,758	58,872
1921	52,137	60,852	67,409	38,568	57,066	34,639	42,774	42,904	37,021	53,059	53,470	87,502
1922	73,796	72,608	71,608	73,059	44,403	38,242	40,010	40,280	36,908	34,647	40,265	58,069
1923	49,210	40,628	48,393	51,492	41,022	28,678	35,721	34,335	28,699	79,302	50,292	51,615
1924	51,273	35,942	97,651	48,904	36,591	34,099	36,813	55,154	34,296	36,099	31,124	45,279
1925	54,354	40,123	34,005	37,189	37,027	36,701	34,505	37,159	30,687	29,544	35,922	36,528
1926	43,651	34,176	30,623	38,487	33,543	29,408	29,680	28,130	29,990	33,231	32,694	45,620
1927	51,290	46,941	57,891	53,156	37,785	34,465	43,150	39,196	32,786	36,236	36,147	51,062
1928	47,634	45,071	54,814	37,985	36,117	29,827	29,587	58,202	33,957	34,990	40,601	40,774
1929	53,877	34,036	36,356	35,270	41,216	31,375	32,426	33,746	34,125	31,314	52,046	67,465

Source: Dun's Review, New York, N. Y.

No. 338.—COMMERCIAL FAILURES: By States

[Assets and liabilities in thousands of dollars]

Division and State	Number of concerns in business		Number of failures		Per cent of failures		Assets		Liabilities	
	1928	1929	1928	1929	1928	1929	1928	1929	1928	1929
United States	[1] 2,199,049	[1] 2,212,779	23,842	22,909	1.08	1.04	255,478	226,028	499,560	438,250
New England	166,179	166,723	2,555	2,601	1.54	1.56	16,741	13,619	48,521	54,623
Maine	17,827	17,812	210	139	1.18	.78	1,138	434	2,695	1,343
New Hampshire	10,945	10,759	83	71	.76	.66	666	392	1,299	1,634
Vermont	7,659	7,564	60	53	.78	.70	365	676	804	995
Massachusetts	86,882	86,837	1,454	1,588	1.67	1.83	8,998	7,019	33,235	34,942
Rhode Island	12,470	12,947	219	260	1.76	2.01	672	1,072	1,980	5,991
Connecticut	30,396	30,804	529	490	1.74	1.59	4,900	4,027	8,509	10,318
Middle Atlantic	565,849	569,126	6,349	5,946	1.12	1.04	71,098	74,207	157,105	175,909
New York	288,309	289,252	3,832	3,298	1.33	1.14	41,065	40,186	95,194	104,475
New Jersey	84,688	86,768	1,024	1,256	1.21	1.45	14,628	14,252	20,150	35,924
Pennsylvania	192,852	193,106	1,493	1,392	.77	.72	15,405	19,770	32,761	35,511
East North Central	465,053	467,955	4,606	4,506	.99	.96	71,444	52,398	111,124	98,105
Ohio	121,261	120,877	1,274	1,251	1.05	1.03	24,044	14,589	34,832	24,181
Indiana	61,274	60,070	530	490	.86	.82	8,030	5,625	14,481	10,445
Illinois	143,379	144,497	1,497	1,440	1.04	1.00	19,369	21,025	36,739	41,688
Michigan	80,369	81,278	732	674	.91	.83	13,627	6,527	17,451	11,917
Wisconsin	58,770	61,233	573	651	.97	1.06	6,375	4,633	8,621	9,874
West North Central	252,145	250,809	2,100	1,971	.83	.77	16,248	16,118	32,404	26,353
Minnesota	45,558	45,489	638	497	1.40	1.09	2,432	4,004	5,483	6,304
Iowa	45,184	46,050	283	267	.63	.58	2,441	2,006	3,839	3,075
Missouri	72,077	76,429	678	659	.94	.86	7,611	5,024	16,946	9,036
North Dakota	12,193	11,985	41	42	.34	.35	342	244	566	396
South Dakota	12,301	12,116	43	54	.35	.45	273	308	459	569
Nebraska	27,991	28,126	220	254	.79	.90	846	2,678	1,684	4,244
Kansas	36,841	36,614	197	198	.53	.54	2,303	1,855	3,427	2,727
South Atlantic	217,868	216,008	2,353	2,162	1.08	1.00	36,772	25,296	57,023	39,429
Delaware	5,315	5,170	35	23	.66	.44	326	198	473	530
Maryland	36,248	33,454	372	305	1.03	.91	4,016	2,829	6,171	4,708
Dist. of Columbia	9,885	10,030	126	116	1.27	1.16	3,033	942	5,137	2,097
Virginia	32,262	31,966	260	243	.81	.76	2,097	2,603	4,170	3,980
West Virginia	25,878	25,631	337	276	1.30	1.08	5,105	2,581	8,264	3,834
North Carolina	34,647	34,513	310	399	.89	1.16	5,547	4,631	7,033	7,800
South Carolina	16,099	15,276	126	120	.78	.79	2,747	1,697	3,395	2,319
Georgia	30,473	30,739	342	394	1.12	1.28	3,468	4,269	5,684	6,538
Florida	27,061	29,229	445	286	1.64	.98	10,434	5,546	16,695	7,563
East South Central	115,908	115,348	964	953	.83	.83	9,544	9,205	13,996	16,181
Kentucky	37,555	38,042	250	203	.67	.53	2,803	1,954	3,959	2,675
Tennessee	31,525	30,829	335	274	1.06	.89	3,798	3,284	5,450	5,549
Alabama	26,506	26,174	248	330	.94	1.26	2,176	3,029	2,811	5,412
Mississippi	20,322	20,303	131	146	.64	.72	767	939	1,776	2,545
West South Central	173,373	177,522	1,310	1,319	.76	.74	14,632	13,340	24,796	24,443
Arkansas	24,423	24,476	329	287	1.35	1.17	6,595	3,346	7,864	4,762
Louisiana	26,484	25,446	101	122	.38	.48	828	873	2,071	2,461
Oklahoma	39,496	40,136	343	432	.87	1.08	2,663	5,258	3,732	8,952
Texas	82,970	87,524	537	478	.65	.55	4,546	3,865	11,129	8,268
Mountain	60,067	61,178	584	596	.97	.97	3,506	4,466	6,855	8,057
Montana	9,594	9,682	102	131	1.06	1.35	427	422	909	869
Idaho	7,267	7,385	72	57	.99	.77	343	1,024	1,149	2,292
Wyoming	4,352	4,410	33	43	.76	.98	356	288	477	507
Colorado	19,481	19,398	205	205	1.05	1.06	1,364	1,483	2,472	2,521
New Mexico	5,314	5,641	32	24	.60	.43	167	81	359	203
Arizona	5,284	5,745	17	17	.32	.30	156	48	361	80
Utah	6,994	7,013	103	113	1.47	1.61	587	1,115	915	1,568
Nevada	1,781	1,904	20	6	1.12	.32	104	6	212	17
Pacific	170,876	174,323	3,021	2,855	1.77	1.64	15,494	17,379	37,737	40,149
Washington	34,580	34,631	584	632	1.69	1.82	3,614	2,964	7,541	8,394
Oregon	22,537	22,032	484	453	2.15	2.06	3,477	2,734	7,862	4,859
California	113,759	117,660	1,953	1,770	1.72	1.50	8,403	11,680	22,334	26,896

[1] Total includes net changes reported by supplemental telegraphic reports amounting to 11,731 in 1928 and 7,727 in 1929, not distributed by States.

Source: Dun's Review, New York, N. Y.

No. 339.—FAILURES IN MANUFACTURING, TRADING, AND OTHER COMMERCIAL BUSINESS, AND BANK FAILURES: BY STATES, 1929

[Liabilities in thousands of dollars]

Division and State	Manufacturing		Trading		Agents, brokers, etc.		Bank failures	
	Number	Liabilities	Number	Liabilities	Number	Liabilities	Number	Liabilities
United States	6,007	186,734	15,417	224,731	1,485	71,784	437	218,787
New England	969	22,019	1,406	16,972	226	15,633		
Maine	34	407	88	797	17	140		
New Hampshire	22	340	44	516	5	178		
Vermont	17	561	30	400	6	34		
Massachusetts	682	16,732	750	9,726	156	8,484		
Rhode Island	61	443	187	1,291	12	4,257		
Connecticut	153	3,535	307	4,241	30	2,541		
Middle Atlantic	1,860	70,420	3,630	72,328	456	43,161	9	19,428
New York	1,006	38,736	2,067	39,477	225	36,261	4	13,405
New Jersey	490	18,932	605	11,677	161	5,315		
Pennsylvania	364	12,751	958	21,174	70	1,585	5	6,024
East North Central	1,193	45,036	3,027	43,249	286	9,820	46	22,511
Ohio	317	10,787	862	11,778	72	1,617	6	3,421
Indiana	104	4,746	358	4,286	28	1,413	10	2,802
Illinois	390	19,451	968	18,313	82	3,924	24	13,078
Michigan	186	5,732	442	4,124	46	2,061	4	1,635
Wisconsin	196	4,321	397	4,748	58	805	2	1,575
West North Central	356	6,366	1,513	18,062	102	1,925	211	60,551
Minnesota	115	2,549	354	3,664	28	91	19	4,016
Iowa	37	423	223	2,535	7	117	17	5,435
Missouri	141	2,727	482	5,832	36	477	24	3,267
North Dakota	3	30	38	356	1	10	20	3,622
South Dakota	5	55	46	486	3	28	6	1,061
Nebraska	32	319	202	3,492	20	432	116	41,886
Kansas	23	261	168	1,697	7	769	9	1,265
South Atlantic	348	11,362	1,735	25,942	79	2,124	104	83,167
Delaware	6	60	17	480			1	2,550
Maryland	75	1,357	208	3,087	22	264	2	925
District of Columbia	30	746	79	972	7	379		
Virginia	52	1,273	183	2,642	8	65	1	439
West Virginia	47	1,308	220	2,472	9	54	6	4,764
North Carolina	48	1,931	337	5,100	14	770	15	5,404
South Carolina	8	240	110	2,061	2	19	9	4,015
Georgia	52	1,963	333	4,213	9	411	13	2,045
Florida	30	2,483	248	4,916	8	163	57	63,025
East South Central	132	4,971	792	10,823	29	388	17	8,035
Kentucky	42	972	152	1,618	9	85	1	700
Tennessee	44	1,926	220	3,422	10	202	3	1,008
Alabama	43	2,057	279	3,263	8	93	10	5,630
Mississippi	3	17	141	2,521	2	8	3	697
West South Central	155	5,945	1,118	15,719	46	2,780	28	5,465
Arkansas	49	1,754	227	2,712	11	296	10	2,728
Louisiana	19	145	100	1,551	3	766		
Oklahoma	37	3,004	385	4,983	10	965	16	2,611
Texas	50	1,042	406	6,473	22	754	2	126
Mountain	75	2,703	490	4,901	31	452	12	6,124
Montana	19	245	102	579	10	45	1	135
Idaho	9	2,024	43	242	5	27	2	1,370
Wyoming	4	64	38	433	1	10	1	290
Colorado	27	257	170	2,123	8	141	6	949
New Mexico	1	20	22	180	1	3	1	80
Arizona	1	2	16	77				
Utah	14	92	93	1,250	6	226		
Nevada			6	17			1	3,300
Pacific	919	17,912	1,706	16,736	230	5,501	10	13,515
Washington	192	3,868	391	3,591	49	935	6	8,757
Oregon	143	1,710	280	2,839	30	310	1	2,313
California	584	12,334	1,035	10,306	151	4,256	3	2,445

Source: Dun's Review, New York, N. Y.

No. 340.—FAILURES, BY BRANCHES OF BUSINESS

NOTE.—Machinery, vehicles, etc., includes shipbuilding; lumber includes furniture; clothing includes furnishings; glass, etc., includes pottery, lime, cement, and stone. In the trading group, groceries include creameries; hotels include lodging houses and caterers; dry goods includes department stores; furniture includes glass and glassware. Agents, brokers, etc., include real estate, insurance, storage, express, harbor lines, etc.

	Number				Aggregate liabilities (in thousands of dollars)				Average liability, 1929 (dollars)
	1926	1927	1928	1929	1926	1927	1928	1929	
Total commercial	21,773	23,146	23,842	22,909	409,232	520,104	489,560	483,250	21,094
Total manufacturing	5,395	5,682	5,924	6,007	158,042	211,505	182,478	186,734	31,086
Iron, foundries, and nails	80	120	119	148	5,896	18,126	5,183	6,232	42,110
Machinery, vehicles, etc.	312	254	325	295	19,949	12,953	11,567	11,600	39,321
Woolens, carpets, and knit goods	48	36	28	20	3,193	1,537	3,291	544	27,178
Cottons, lace, and hosiery	21	20	15	16	5,145	4,816	1,847	2,152	134,492
Lumber, carpenters, and coopers	644	850	969	1,135	21,218	43,986	50,782	53,631	47,252
Clothing and millinery	585	494	557	500	11,440	12,551	10,337	7,988	15,975
Hats, gloves, and furs	121	153	193	183	2,278	2,491	3,201	3,072	16,789
Chemicals and drugs	61	64	85	102	1,429	3,712	3,655	1,290	12,650
Paints and oils	17	11	13	21	537	262	273	336	16,000
Printing and engraving	230	264	172	174	3,490	7,613	3,605	2,571	14,773
Milling and bakers	500	461	494	462	5,031	5,012	7,009	5,607	12,137
Leather, shoes, and harness	133	140	155	151	4,029	7,370	6,543	2,747	18,194
Tobacco, etc.	89	104	75	76	3,912	4,288	980	2,359	31,046
Glass, earthenware, and brick	65	91	94	102	2,119	8,400	2,625	6,825	66,914
All other	2,489	2,620	2,630	2,622	68,375	77,890	71,582	79,779	30,427
Total trading	15,268	16,082	16,477	15,417	201,334	228,194	225,301	224,731	14,577
General stores	1,217	1,214	1,042	1,017	17,396	18,740	13,388	13,289	13,066
Groceries, meat, and fish	3,633	3,543	3,785	3,497	29,637	29,307	30,504	30,150	8,622
Hotels and restaurants	928	1,046	1,105	1,172	13,869	18,242	24,362	20,499	17,491
Tobacco, etc.	277	232	263	223	2,473	1,704	1,877	2,303	10,325
Clothing and furnishings	2,058	2,157	2,324	1,983	24,708	28,524	27,892	25,955	13,089
Dry goods and carpets	1,021	1,187	1,121	980	19,405	22,090	17,770	15,943	16,269
Shoes, rubbers, and trunks	597	720	681	542	6,453	8,683	7,064	6,326	11,672
Furniture and crockery	606	686	667	659	11,774	11,593	12,202	14,950	22,686
Hardware, stoves, and tools	430	465	507	542	7,251	7,559	8,337	8,596	15,859
Chemicals and drugs	632	714	729	701	6,335	7,608	7,088	7,644	10,904
Paints and oils	83	85	84	91	958	932	791	5,650	62,092
Jewelry and clocks	406	420	473	421	7,168	7,592	8,158	8,206	19,492
Books and papers	121	142	144	132	2,432	2,661	1,651	1,817	13,767
Hats, furs, and gloves	91	92	148	128	1,031	1,592	2,167	4,056	31,689
All other	3,168	3,370	3,404	3,329	50,444	61,367	62,051	59,346	17,827
Agents, brokers, etc.	1,110	1,382	1,441	1,485	49,856	80,405	81,780	71,784	48,340
Bank failures	608	394	372	437	212,075	143,449	129,650	218,797	500,679

Year	Number of failures					Liabilities (in thousands of dollars)				
	Commercial				Banks	Commercial				Banks
	Total	Manufacturing	Trading	Agents, brokers, etc.		Total	Manufacturing	Trading	Agents, brokers, etc.	
1912	15,452	3,839	11,011	602	79	203,117	86,720	91,780	24,618	24,220
1913	16,037	4,243	11,145	649	120	272,672	123,123	115,115	34,435	31,546
1914	18,280	4,620	12,851	809	212	357,909	135,636	165,865	56,408	56,005
1915	22,156	5,116	16,030	1,010	133	302,286	112,026	150,234	40,026	37,223
1916	16,993	4,196	11,923	874	50	196,212	73,000	91,374	31,839	10,397
1917	13,855	3,691	9,430	734	42	182,441	79,544	70,117	32,781	18,452
1918	9,982	2,766	6,494	722	20	163,020	73,382	57,911	31,727	5,132
1919	6,451	1,865	4,013	573	50	113,201	51,614	37,670	24,007	16,521
1920	8,881	2,635	5,532	714	119	295,122	127,992	88,558	78,571	50,708
1921	19,652	4,495	13,999	1,158	404	627,402	232,907	254,794	139,700	173,028
1922	23,676	5,682	16,923	1,071	277	623,896	214,925	271,388	137,583	77,736
1923	18,718	4,968	13,064	686	578	539,387	281,316	209,930	48,140	203,739
1924	20,615	5,208	14,393	1,014	613	543,225	286,770	203,190	53,265	202,926
1925	21,214	5,090	15,161	963	464	443,744	167,685	215,369	60,691	164,599

Source: Dun's Review, New York, N. Y.

14. PRICES

GENERAL NOTE.—The wholesale price index of the Department of Labor is based on primary market quotations of 550 commodities. In weighting the prices included in the index, the biennial census reports of 1923 and 1925 have been used for most manufactured products and for other products the average for the years 1923 to 1925 where trustworthy information was available as in the case of agricultural products.

The retail food index is based on the weighted average quotations (weighted by average family consumption in 1918) as of the 15th of the month, secured from retail stores in 51 cities since 1920 and from a smaller number in earlier years, for 22 commodities to 1920 and for 43 commodities in 1921 and subsequent years.

The farm price index is constructed by weighting prices paid to producers for 30 products. Average quotations for the period, August, 1909-July, 1914, are used as a base, and each price series is weighted by the average annual marketings of farmers in the years 1918 to 1923.

No. 341.—WHOLESALE, RETAIL, AND FARM PRICES: INDEX NUMBERS

Year	Yearly average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	1926 average=100												
Wholesale prices:													
1916	85.5	77.0	78.5	80.4	81.7	82.5	82.9	83.4	85.1	86.9	91.1	97.4	99.2
1917	117.5	102.1	104.5	107.7	114.1	120.7	122.0	123.0	124.8	123.5	122.2	122.8	122.9
1918	131.3	125.0	122.7	126.4	128.3	128.1	129.0	132.0	134.3	137.5	136.3	136.3	136.3
1919	138.6	134.4	129.8	131.3	133.0	135.3	135.6	141.1	144.3	141.1	141.6	144.5	150.5
1920	154.4	157.7	157.1	158.6	165.5	167.2	166.5	165.8	161.4	155.2	144.2	133.4	120.7
1921	97.6	114.0	104.9	102.4	98.9	96.2	93.4	93.4	93.5	93.4	94.1	94.2	92.9
1922	96.7	91.4	92.9	92.8	93.2	96.1	96.3	99.4	98.6	99.3	99.6	100.5	100.7
1923	100.6	102.0	103.3	104.5	103.9	101.9	100.3	98.4	97.8	99.7	99.4	98.4	98.1
1924	98.1	99.6	99.7	98.5	97.3	95.9	94.9	95.6	97.0	97.1	98.2	99.1	101.5
1925	103.5	102.9	104.0	104.2	101.9	101.6	103.0	104.3	103.9	103.4	103.6	104.5	103.4
1926	100.0	103.6	102.1	100.4	100.1	100.5	100.5	99.5	99.0	99.7	99.4	98.4	97.9
1927	95.4	96.6	95.9	94.5	93.7	93.7	93.8	94.1	95.2	96.5	97.0	96.7	96.8
1928	97.7	96.3	96.4	96.0	97.4	98.6	97.6	98.3	98.9	100.1	97.8	96.7	96.7
1929	96.5	97.2	96.7	97.5	96.8	95.8	96.4	98.0	97.7	97.5	96.3	94.4	94.2
	1913 average=100												
Retail food prices:													
1916	113.7	107	106	107	109	109	112	111	113	118	121	126	126
1917	146.4	128	133	133	145	151	152	146	149	153	157	155	157
1918	168.3	160	161	154	154	158	162	168	171	178	181	183	187
1919	185.9	185	172	175	182	185	184	190	192	188	189	192	197
1920	203.4	201	200	200	211	215	219	219	207	204	198	193	178
1921	153.3	172	158	156	152	145	144	148	155	153	153	152	150
1922	141.6	142	142	139	139	139	141	142	139	140	143	145	147
1923	146.2	144.4	142.3	141.9	143.1	143.4	144.3	147.2	146.4	149.3	149.8	151.1	150.3
1924	145.9	149.1	147.3	143.7	141.3	141.0	142.4	143.3	144.2	146.8	148.7	150.1	151.5
1925	157.4	154.3	151.4	151.1	150.8	151.6	155.0	159.9	160.4	159.0	161.6	167.1	165.5
1926	160.6	164.3	161.5	159.9	162.4	161.1	159.7	157.0	155.7	158.5	160.0	161.6	161.8
1927	155.4	159.3	156.0	153.8	153.6	155.4	158.5	153.4	152.4	154.0	156.1	156.5	155.9
1928	154.3	155.1	151.6	151.4	152.1	153.8	152.6	152.8	154.2	157.8	156.8	157.3	155.8
1929	156.7	154.6	154.4	153.0	151.6	153.3	154.8	158.5	160.2	160.8	160.5	159.7	158.0
	August, 1909-July, 1914=100												
Farm prices:													
1916	117	104	106	108	110	111	112	113	117	123	128	137	139
1917	176	140	148	159	176	188	188	185	183	184	187	187	191
1918	200	194	197	199	200	198	196	197	203	207	204	200	201
1919	209	200	194	197	207	215	216	222	222	208	206	209	212
1920	205	219	221	222	230	235	234	224	209	194	178	158	140
1921	116	135	128	123	115	112	110	111	116	118	120	116	115
1922	124	114	118	123	123	127	128	126	120	119	123	126	131
1923	135	134	136	136	137	135	133	130	128	132	134	136	137
1924	134	137	136	131	130	129	130	132	139	132	138	137	139
1925	147	146	146	151	147	146	148	149	152	144	143	144	143
1926	136	143	143	140	140	139	139	136	133	134	130	130	127
1927	131	126	127	126	125	126	130	130	132	140	139	137	137
1928	139	137	135	137	140	148	145	145	139	141	137	134	134
1929	138	133	136	140	138	136	135	140	143	141	140	136	135

Sources: Wholesale and retail prices, Department of Labor; farm prices, Department of Agriculture.

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No. 342.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: INDEX NUMBERS

NOTE.—See general note, page 321. For indexes for all commodities for prior years see Table 343

[1926=100, except as noted]

Period	All commodities	Farm products	Foods	Hides and leather products	Textile products	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House furnishing goods	Miscellaneous
1890	56.2	50.4	55.5	47.5	57.8	38.1	105.3	46.5	73.2	49.9	97.9
1891	55.8	54.2	54.8	47.9	54.6	37.0	92.2	44.2	74.0	50.4	94.3
1892	52.2	49.5	51.0	47.2	55.2	34.8	84.0	41.7	74.6	48.1	86.6
1893	53.4	51.3	54.7	45.1	54.1	35.3	76.8	41.6	72.7	48.1	89.0
1894	47.9	44.6	48.2	43.0	46.1	34.3	65.7	39.8	65.5	45.3	86.4
1895	48.8	43.9	47.3	49.4	44.3	40.3	70.4	38.8	64.7	43.5	88.9
1896	46.5	39.6	44.1	45.2	43.1	39.5	71.2	38.9	65.0	43.4	90.2
1897	46.6	42.5	45.5	45.9	42.9	33.9	65.0	37.4	70.9	42.5	92.5
1898	48.5	44.9	47.8	48.3	44.9	34.5	65.3	39.6	77.4	44.0	93.4
1899	52.2	45.8	47.7	49.4	47.7	41.2	100.0	43.6	81.1	45.0	97.4
1900	56.1	50.5	50.8	49.4	53.3	46.3	98.0	46.2	82.1	48.9	102.0
1901	55.3	52.8	50.5	48.9	48.1	44.6	93.1	44.3	84.2	48.9	93.4
1902	58.9	58.4	53.3	50.8	49.4	51.8	91.0	45.3	86.5	49.2	88.1
1903	59.6	55.6	52.0	49.9	52.8	60.3	90.2	46.7	84.1	50.9	98.9
1904	59.7	58.5	54.0	49.7	52.9	53.3	79.9	45.0	84.1	50.3	109.5
1905	60.1	56.4	55.1	53.9	54.1	49.6	89.1	48.1	82.3	49.7	117.4
1906	61.8	57.3	53.4	57.7	58.7	52.0	102.4	54.0	76.8	51.3	115.3
1907	65.2	62.2	57.0	58.0	63.5	54.4	109.8	56.8	78.5	55.0	108.2
1908	62.9	62.2	58.7	55.6	54.8	53.7	86.3	52.0	79.6	51.6	97.8
1909	67.6	69.6	62.6	61.5	56.5	51.6	84.5	53.7	79.9	51.7	129.6
1910	70.4	74.3	64.9	60.2	58.4	47.6	85.2	55.3	82.0	54.0	152.7
1911	64.9	66.8	62.0	58.8	55.5	46.7	80.8	55.3	81.6	52.7	108.6
1912	69.1	72.6	66.8	64.5	55.7	51.4	89.5	55.9	80.7	53.0	106.4
1913	69.8	71.5	64.2	68.1	57.3	61.3	90.8	56.7	80.2	56.3	93.1
1914	68.1	71.2	64.7	70.9	54.6	56.6	80.2	52.7	81.4	56.8	89.9
1915	69.5	71.5	65.4	75.5	54.1	51.8	86.3	53.5	112.0	56.0	86.9
1916	85.5	84.4	75.7	93.4	70.4	74.3	116.5	67.6	160.7	61.4	100.6
1917	117.5	129.0	104.5	123.8	98.7	105.4	150.6	88.2	165.0	74.2	122.1
1918	131.3	148.0	119.1	125.7	137.2	109.2	136.5	98.6	182.3	93.3	134.4
1919	138.6	157.6	129.5	174.1	135.3	104.3	130.9	115.6	157.0	105.9	139.1
1920	154.4	150.7	137.4	171.3	164.8	163.7	149.4	150.1	164.7	141.8	167.5
1921	97.6	88.4	90.6	109.2	94.5	96.8	117.5	97.4	115.0	113.0	109.2
1922	96.7	93.8	87.6	104.6	100.2	107.3	102.9	97.3	100.3	103.5	92.8
1923	100.6	98.6	92.7	104.2	111.3	97.3	109.3	108.7	101.1	108.9	99.7
1924	98.1	100.0	91.0	101.5	106.7	92.0	106.3	102.3	98.9	104.9	93.6
1925	103.5	109.8	100.2	105.3	108.3	96.5	103.2	101.7	101.8	103.1	109.0
1926	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1927	95.4	99.4	96.5	107.9	95.7	86.5	98.2	93.3	96.6	98.2	89.9
1928	97.7	105.9	101.0	121.7	96.3	82.8	99.8	93.7	95.5	97.4	83.0
1929	96.5	104.9	99.7	109.2	93.7	81.6	104.4	97.1	94.4	96.9	80.5
1929 (1913=100)	*138.3*	*146.7*	*155.3*	*160.4*	*163.5*	*133.1*	*115.0*	*171.3*	*117.7*	*172.1*	*86.5*
1929 (1923-1925=100)	*95.8*	*102.0*	*105.4*	*105.3*	*86.1*	*85.6*	*98.2*	*93.2*	*93.8*	*91.8*	*79.9*
1927											
January-March	95.7	95.4	95.8	100.6	94.3	94.5	98.3	96.3	97.4	97.9	90.6
April-June	93.7	95.7	94.5	104.2	94.1	84.3	98.2	94.9	96.3	97.9	90.9
July-September	95.3	101.9	94.9	112.0	96.3	84.2	97.8	92.9	95.7	98.4	89.5
October-December	96.8	104.6	101.0	114.7	97.7	83.1	97.5	90.7	97.2	98.7	88.5
1928											
January-March	96.2	104.7	98.4	123.0	96.6	80.9	98.3	90.9	95.9	98.4	87.7
April-June	97.9	108.0	100.3	125.6	96.5	81.6	98.6	93.3	95.3	97.6	84.1
July-September	99.1	107.6	104.4	122.0	96.2	84.2	99.8	94.6	94.8	97.1	79.9
October-December	97.1	102.9	100.1	116.2	96.1	84.3	101.9	95.9	95.9	96.4	80.1
1929											
January	97.2	105.9	98.8	113.6	96.4	82.5	103.6	96.6	95.9	96.6	80.5
February	96.7	105.4	98.1	109.0	96.1	81.3	104.4	97.5	96.1	96.6	80.4
March	97.5	107.1	98.1	108.3	96.1	80.6	106.4	98.8	95.6	96.5	80.0
April	96.8	104.9	97.7	107.9	95.5	80.6	106.4	97.9	94.9	96.7	79.2
May	95.8	102.2	97.7	106.8	94.2	81.1	105.2	96.8	94.2	96.7	79.6
June	96.4	103.3	98.9	108.0	93.3	83.3	105.1	96.4	93.4	96.6	80.4
July	98.0	107.6	102.8	109.2	92.8	82.0	105.0	96.7	93.4	97.2	81.3
August	97.7	107.1	103.1	109.7	93.1	80.9	104.3	96.7	93.7	97.1	81.3
September	97.5	106.6	103.2	110.8	93.1	81.1	104.1	97.5	93.9	97.1	81.7
October	96.3	103.9	101.2	110.5	92.7	81.7	103.6	97.8	94.2	97.1	81.3
November	94.4	101.1	98.8	108.4	91.5	81.7	102.3	96.0	94.0	97.1	80.1
December	94.2	101.9	98.6	107.4	90.4	81.3	102.1	96.2	93.6	97.3	79.8

Source: Bureau of Labor Statistics, Department of Labor.

No. 343.—WHOLESALE PRICES: INDEX NUMBERS, 1860 TO 1889

NOTE.—Indexes are arithmetic averages of unweighted relative prices, published in 1893 by the Committee on Finance, United States Senate, on an 1860 base, recomputed to the 1926 base by the Bureau of Labor Statistics, Department of Labor

[1926=100]

Year	General index	Year	General index	Year	General index
1860	61	1870	87	1880	65
1861	61	1871	83	1881	64
1862	72	1872	84	1882	66
1863	90	1873	84	1883	65
1864	116	1874	81	1884	60
1865	132	1875	78	1885	57
1866	116	1876	72	1886	56
1867	105	1877	68	1887	56
1868	98	1878	62	1888	57
1869	94	1879	59	1889	57

No. 344.—WHOLESALE PRICES OF COMMODITY SUBGROUPS: INDEX NUMBERS

[1926=100]

Subgroup	Year								December, 1928	June, 1929	December, 1929
	1913	1923–1925	1924	1925	1926	1927	1928	1929			
Grains	71.1	102.3	100.6	118.3	100.0	100.9	107.3	97.4	94.3	91.0	97.5
Livestock and poultry	73.2	85.3	79.3	98.9	100.0	98.9	105.4	106.1	99.1	110.0	94.6
Other farm products	70.8	115.1	114.2	114.5	100.0	99.2	105.8	106.6	110.0	102.3	108.2
Meats	59.8	81.7	75.7	93.3	100.0	92.7	107.0	109.1	102.3	111.5	103.2
Butter, cheese, milk	65.9	99.7	94.5	101.1	100.0	104.0	105.6	105.8	110.0	105.5	101.9
Other foods	65.9	101.4	100.0	104.5	100.0	96.2	95.5	91.6	90.8	88.5	94.4
Hides and skins	106.8	115.5	110.2	118.7	100.0	120.4	148.6	112.7	131.0	110.9	107.4
Leather	69.1	102.9	99.8	104.8	100.0	109.2	126.3	113.2	119.3	110.3	110.6
Boots and shoes	54.5	99.3	98.4	100.5	100.0	102.5	109.9	106.3	108.4	106.1	106.1
Other leather products	50.8	103.4	103.7	102.8	100.0	104.1	108.5	106.2	108.4	105.5	106.1
Cotton goods	58.0	113.9	114.7	110.0	100.0	97.9	101.2	99.4	101.3	99.1	97.2
Silk and rayon	71.8	112.4	103.1	104.5	100.0	88.1	83.6	80.1	83.7	79.5	75.4
Woolen and worsted goods	53.7	108.2	106.8	110.2	100.0	97.6	100.4	97.8	100.0	97.8	94.6
Other textile products	62.7	89.5	87.1	104.1	100.0	95.4	86.9	81.8	84.9	80.3	75.1
Anthracite	58.9	99.7	98.6	99.7	100.0	96.3	91.7	90.1	91.2	88.1	91.2
Bituminous coal	38.1	103.2	99.7	96.5	100.0	100.4	93.6	91.3	93.2	89.6	92.4
Coke	46.3	104.6	97.2	97.7	100.0	94.4	84.6	84.6	84.5	84.7	84.2
Manufactured gas[1]	78.1	103.2	102.9	101.9	100.0	97.9	94.9	93.1	93.3	94.4	91.7
Petroleum and products	73.3	87.0	83.5	95.0	100.0	72.7	72.0	71.3	73.9	76.6	69.9
Iron and steel	70.9	109.6	109.4	102.2	100.0	95.9	94.9	97.3	96.6	98.2	96.3
Nonferrous metals	88.9	96.6	93.0	101.4	100.0	91.8	93.3	105.7	98.0	104.8	101.5
Agricultural implements	72.9	101.6	105.7	100.4	100.0	99.2	98.8	97.9	98.8	98.3	96.1
Automobiles	147.5	107.2	107.5	105.3	100.0	102.5	106.9	110.9	111.2	112.2	108.0
Other metal products	53.7	101.8	101.7	100.5	100.0	100.2	97.2	98.5	96.9	98.5	98.6
Lumber	54.0	103.9	99.3	100.6	100.0	92.5	90.1	94.5	93.6	94.2	92.4
Brick	38.9	102.4	103.4	100.1	100.0	93.2	92.7	91.1	93.6	89.1	90.5
Portland cement	59.6	105.4	105.7	102.6	100.0	96.7	95.9	91.8	94.6	94.6	89.2
Structural steel	77.1	113.4	114.2	102.2	100.0	94.7	95.2	98.1	97.0	99.6	97.0
Paint materials	50.8	103.4	99.7	109.3	100.0	91.0	86.6	91.3	87.7	86.5	95.7
Other building materials	63.1	103.3	104.0	100.4	100.0	94.1	101.3	106.9	107.0	106.1	106.5
Chemicals	89.4	102.3	102.2	104.1	100.0	100.0	101.3	100.2	102.4	98.6	99.6
Drugs and pharmaceuticals	56.6	96.4	95.8	97.7	100.0	87.3	70.8	70.5	70.8	69.8	70.6
Fertilizer materials	85.5	98.0	92.6	98.8	100.0	96.2	94.6	92.1	94.1	92.6	89.5
Mixed fertilizers	84.3	101.2	95.9	100.4	100.0	93.0	97.3	97.2	97.8	96.7	97.1
Furniture	70.7	109.7	107.9	104.6	100.0	97.6	97.2	96.0	95.3	95.0	96.7
Furnishings	47.9	103.5	103.4	102.2	100.0	98.6	97.5	97.5	97.1	97.7	97.7
Cattle feed	82.2	113.8	110.2	112.7	100.0	117.8	138.1	121.6	137.0	106.2	122.4
Paper and pulp	59.4	102.9	100.7	105.2	100.0	92.2	89.4	87.9	88.6	88.2	87.3
Rubber, crude	170.2	88.5	54.3	149.9	100.0	77.9	46.4	42.0	37.0	42.7	33.2
Automobile tires	207.2	100.2	92.6	98.6	100.0	76.3	64.4	55.6	58.1	55.0	55.2
Other miscellaneous	64.4	100.8	100.8	99.6	100.0	99.9	98.6	106.3	99.7	109.7	108.9

[1] Based on 8 cities prior to 1928; thereafter 34 cities.

Source of Tables 343 and 344: Bureau of Labor Statistics, Department of Labor.

No. 345.—WHOLESALE PRICES OF LEADING COMMODITIES

NOTE.—This list is a selection from among the 550 commodities entering into the general index of wholesale prices of the Department of Labor, shown in Table 342

Commodity	Unit	Average price						
		1913	1923–1925	1925	1926	1927	1928	1929
I.—FARM PRODUCTS		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Barley, feeding, Chicago	Bushel	0.625	0.774	0.844	0.694	0.825	0.826	0.615
Corn, contract grades, Chicago	do	.625	.944	1.038	.759	.882	.977	.941
Corn, No. 3, mixed, Chicago	do	.616	.927	1.014	.736	.851	.953	.929
Oats, No. 2, white, Chicago	do	.376	.473	.467	.430	.497	.555	.486
Rye, No. 2, Chicago	do	.636	.932	1.128	.954	1.046	1.133	1.016
Wheat, No. 2, red winter, Chicago	do	.986	1.407	1.770	1.542	1.378	1.540	1.304
Wheat, No. 2, hard, Kansas City	do	.877	1,338	1.670	1.496	1.372	1.325	1.180
Wheat, No. 1, northern spring, Minneapolis.	do	.874	1,359	1.607	1.549	1.369	1.285	1.276
Cattle, steers, good to choice, Chicago.	100 lbs	8.507	10.093	10.659	9.529	12.688	14.489	13.493
Hogs, fair to choice, light, Chicago	do	8.454	9.534	12.347	13.115	10.602	9.862	10.666
Lambs, western, fair to good, Chicago.	do	7.794	14.335	15.219	13.701	13.860	14.203	13.719
Poultry, live fowls, Chicago	Pound	.154	.218	.229	.252	.225	.246	.273
Cotton, middling, New Orleans	do	.127	.265	.230	.168	.172	.194	.186
Eggs, firsts, Chicago	Dozen	.226	.339	.369	.335	.300	.324	.354
Eggs, firsts, New York	do	.249	.370	.398	.356	.320	.329	.368
Apples, fresh, Baldwins, Chicago	Barrel	3.174	5.203	5.938	4.102	4.522	6.979	6.029
Oranges, choice, California	Box	4.420	6.209	7.662	5.957	7.094	7.370	6.540
Hay, alfalfa, Kansas City	Ton	14.186	22.199	20.159	21.034	18.594	22.808	24.566
Hay, timothy, No. 1, Chicago	do	16.029	24.055	23.490	23.481	19.447	20.588	20.394
Milk, fluid, Chicago	100 lbs	1.991	3.001	2.930	2.940	2.975	2.735	2.955
Milk, fluid, New York	do	2.061	3.419	3.554	3.623	3.732	3.827	3.997
Peanuts, Norfolk	Pound	.036	.063	.062	.050	.055	.056	.049
Flaxseed, Minneapolis	Bushel	1.349	2.653	2.721	2.328	2.202	2.245	2.766
Tobacco, leaf, Kentucky	100 lbs	8.909	14.572	13.928	8.472	11.276	13.503	16.721
Potatoes, white, Chicago	do	1.024	1.645	2.105	3.013	2.300	1.354	1.606
Wool, Ohio, medium grades	Pound	.252	.548	.558	.457	.447	.543	.467
II.—FOODS								
Butter, creamery, extra:								
Chicago	Pound	.310	.437	.442	.429	.458	.461	.437
New York	do	.323	.450	.454	.443	.473	.474	.449
San Francisco	do	.317	.476	.503	.436	.454	.460	.458
Cheese, whole milk, Chicago	do	.142	.219	.230	.217	.241	.240	.221
Milk, evaporated, New York	Case	3.535	4.396	4.336	4.393	4.564	4.429	4.267
Beef, fresh, carcass, steers, Chicago	Pound	.130	.170	.180	.164	.186	.228	.231
Lamb, fresh, Chicago	do	.149	.258	.269	.262	.262	.267	.256
Hams, Chicago	do	.166	.228	.271	.308	.246	.228	.244
Pork, mess, New York	Barrel (200 lbs.)	22.471	31.055	38.928	37.447	34.500	32.120	30.370
Pork, sides, clear, Chicago	Pound	.127	.162	.223	.201	.187	.163	.171
Pork, fresh (composite price), Chicago.	do	-------	.161	.205	.224	.183	.170	.183
Poultry, Chicago	do	.145	.246	.245	.271	.232	.226	.242
Bread, Chicago	do	.043	.075	.075	.075	.075	.075	.075
Bread, New York	do	.042	.070	.070	.070	.070	.070	.066
Coffee, Rio No. 7, New York	do	.111	.162	.203	.182	.148	.165	.157
Salmon, canned, Alaska, red	Dozen	1.460	2.645	3.069	3.326	2.868	2.900	2.709
Flour, short patents, winter, Kansas City.	Barrel	4.012	7.160	8.525	8.035	7.388	7.073	6.535
Flour, standard patents, Minneapolis.	do	4.584	7.468	8.828	8.426	7.433	7.205	6.786
Flour, patents, Portland, Oreg	do	4.495	7.992	9.190	7.984	7.475	7.545	7.176
Raisins, coast, seeded, New York	Pound	-------	.080	.075	.092	.074	.061	.060
Bananas, Jamaicas, New York	Bunch	-------	2.395	2.447	2.451	2.202	2.101	1.766
Lard, prime, contract, New York	Pound	.110	.141	.168	.150	.129	.123	.120
Oleomargarine, standard, uncolored, Chicago.	do	.163	.225	.243	.228	.223	.225	.235
Rice, Honduras, New Orleans	do	.051	.061	.070	.073	.059	.048	.047
Salt, American, medium, Chicago	Barrel	1.020	2.389	2.204	2.195	2.195	2.272	2.214
Sugar, granulated, New York	Pound	.043	.071	.055	.055	.058	.056	.051
Sugar, raw, 96°, New York	do	.035	.058	.043	.043	.047	.042	.038
Cottonseed oil, New York	do	.073	.110	.108	.118	.097	.099	.097

No. 345.—Wholesale Prices of Leading Commodities—Continued

Commodity	Unit	Average price						
		1913	1923–1925	1925	1926	1927	1928	1929
III.—HIDES AND LEATHER PRODUCTS		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Hides, packers, heavy, native steers	Pound	0.184	0.158	0.160	0.140	0.195	0.238	0.171
Calfskins, No. 1, country, Chicago	do	.189	.180	.201	.173	.197	.274	.190
Goat skins, Brazil, New York	do		.818	.785	.733	.751	.787	.741
Leather, Boston:								
Calf, chrome, B grade	Sq. ft	.270	.457	.472	.453	.489	.558	.496
Glazed kid, top grade	do	.250	.681	.683	.675	.677	.715	.725
Side, black, chrome, tanned, B grade.	do	.256	.266	.274	.253	.320	.369	.288
Sole, oak, scoured backs	Pound	.449	.480	.482	.438	.493	.641	.529
Shoes:								
Youths', tan calf, bal[1]	Pair				1.663	1.726	2.363	3.350
Men's, dress, medium grade[2]	do	2.238	3.162	3.237	3.199	3.268	3.575	3.750
Women's, black kid, oxford[3]	do	3.000	4.035	4.000	4.074	4.000	4.250	4.250
IV.—TEXTILE PRODUCTS								
Cotton goods, mill:								
Denims, Mass., 28-inch	Yard		.233	.207	.169	.170	.191	.181
Drillings, Pepperell, 29-inch	do	.082	.174	.164	.127	.120	.126	.125
Gingham, Amoskeag, 27-inch	do	.065	.126	.113	.090	.095	.106	.105
Muslin, bleached, Fruit of the Loom.	do	.085	.183	.180	.167	.161	.166	.174
Print cloth, 27-inch	do	.035	.070	.066	.052	.055	.058	.052
Sheeting, bleached, Pepperell, 10/4.	do	.239	.486	.454	.416	.385	.410	.419
Sheeting, brown, Pepperell, 4/4	do	.073	.149	.139	.123	.121	.122	.117
Thread, 6-cord	Spool	.018	.033	.036	.036	.036	.036	.036
Women's union suits	Dozen	8.250	12.149	10.458	9.875	8.864	9.500	9.500
Yarn, carded, white, northern, 22/1's cones.	Pound	.248	.459	.418	.358	.351	.371	.358
Silk and rayon:								
Rayon, 150 B denier, New York	do	1.750	2.136	1.896	1.692	1.439	1.450	1.180
Silk, raw, steam filature, New York.	do	4.463	7.509	6.679	6.348	5.559	5.128	4.886
Hosiery, women's, pure silk, mill.[4]	Doz. prs.		12.337	11.842	12.168	11.003	9.792	9.313
Hosiery, men's, silk, mill	do	4.250	5.750	5.247	4.795	4.250	3.950	3.850
Woolen and worsted goods, mill:								
Suiting serge, 11-ounce	Yard	1.131	2.478	2.403	2.168	2.051	2.052	1.961
French serge, 39-inch[5]	do		.776	.799	.728	.987	1.006	.975
Yarn, fine weaving, 2/50's	Pound	1.054	2.469	2.426	2.106	2.089	2.088	1.967
V.—FUEL AND LIGHTING								
Coal, anthracite, chestnut	Ton		13.861	13.788	13.767	13.298	13.001	12.886
Coal, bituminous, mine run	do	3.000	4.976	4.642	5.381	4.264	4.033	3.953
Coke, Connellsville, furnace	do	2.440	4.378	4.054	4.106	3.199	2.793	2.780
Manufactured gas[6]	1,000 cu.ft.	.805	1.062	1.053	1.034	1.013	1.004	.985
Petroleum, crude, Kans.-Okla	Barrel	.934	1.519	1.670	1.884	1.285	1.203	1.233
Fuel oil, refinery, Pennsylvania	Gallon		.056	.059	.064	.051	.048	.048
Gasoline, refinery, Pennsylvania	do		.130	.133	.128	.092	.099	.091
VI.—METALS AND PRODUCTS								
Iron ore, non-Bessemer	Ton	3.400	4.924	4.375	4.250	4.250	4.250	4.443
Pig iron, basic, furnace	do	14.706	21.873	19.567	18.548	17.697	16.664	18.189
Pig iron, Bessemer, Pittsburgh	do	17.133	24.860	22.318	21.318	20.437	19.207	20.538
Nails, wire, Pittsburgh	100 lbs	1.819	2.948	2.820	2.750	2.638	2.676	2.667
Pipe, cast-iron, 6-inch, New York	Ton	23.371	57.549	52.196	51.340	43.315	37.659	36.666
Skelp, grooved, Pittsburgh	100 lbs	1.390	2.149	1.960	1.900	1.830	1.865	1.859
Steel billets, open-hearth, Pittsburgh.	Ton	26.096	38.465	35.644	35.000	33.269	32.673	34.642
Steel plates, tank, Pittsburgh	Pound	.015	.021	.019	.019	.018	.019	.019
Steel rails, open-hearth, mill	Ton	30.000	43.000	43.000	43.000	43.000	43.000	43.000
Steel sheets, No. 27, mill	Pound	.022	.035	.033	.032	.031	.029	.030
Steel, structural, mill	100 lbs	1.510	2.220	2.002	1.958	1.854	1.865	1.921
Tin plate, domestic, standard, Pittsburgh.	do	3.558	5.470	5.500	5.500	5.481	5.262	5.350
Aluminum, New York	Pound	.236	.265	.272	.270	.254	.239	.239
Copper, ingot, electrolytic	do	.157	.139	.141	.138	.130	.146	.181
Lead, pig, desilverized, New York	do	.044	.083	.091	.084	.068	.063	.068
Silver, bar, fine, New York	Ounce	.612	.672	.694	.624	.567	.585	.533
Tin, pig, New York	Pound	.449	.502	.578	.653	.644	.504	.452
Zinc, pig, slab, New York	do	.058	.072	.080	.077	.066	.064	.068

[1] Prior to 1928, tan calf, blucher.
[2] Prior to 1928, black, dress, welt.
[3] Prior to 1928, black kid, dress.
[4] Different style substituted beginning 1928.
[5] Prior to 1927, 35 to 36 inches.
[6] Based on 8 cities prior to 1928; thereafter 34 cities.

No. 345.—Wholesale Prices of Leading Commodities—Continued

Commodity	Unit	Average price						
		1913	1923–1925	1925	1926	1927	1928	1929
VI.—METALS, ETC.—continued								
Agricultural implements, factory:		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Cultivator	Each	21.850	45.313	45.120	44.170	42.030	41.320	40.845
Harrow, spike, peg tooth	do	8.370	16.973	17.190	16.720	15.670	15.670	14.824
Plow, 2-horse	do		16.599	16.458	16.095	15.850	15.250	15.250
Separator, cream	do	39.520	59.053	59.370	59.370	61.250	61.040	60.338
Tractor, 10–20 horsepower	do	1,162.5	663.0	680.0	680.0	680.0	680.0	680.0
Automobiles, f. o. b. factory:								
Buick	do	1,212.0	1,654.0	1,625.0	1,468.0	1,492.0	745.0	773.0
Cadillac	do	2,246.0	3,853.0	3,876.0	3,731.0	3,671.0		
Chevrolet	do	1,482.0	661.0	671.0	614.0	613.0		
Dodge	do		1,125.0	1,114.0	884.0	884.0		
Ford	do	624.0	412.0	391.0	413.0	456.0		
Packard	do	4,779.0	3,617.0	3,556.0	3,589.0	3,403.0		
Sewing machines, electric	do		73.620	75.350	77.550	80.250	82.250	84.600
Stoves, gas	do		64.033	62.750	62.900	63.400	60.650	66.900
VII.—BUILDING MATERIALS								
Douglas fir, No. 1, common sheathing.	1,000 ft	9.208	17.972	17.250	16.483	16.285	16.758	18.293
Oak, plain, white, No. 1, Cincinnati	do		66.200	63.135	66.019	63.635	59.173	57.623
Pine, white, No. 2, Buffalo	do		59.957	53.231	50.039	46.231	44.269	48.453
Pine, yellow, flooring, mill	do	23.036	45.355	46.493	45.109	38.481	36.485	37.278
Pine, yellow, timbers, mill	do	14.634	27.414	26.519	27.835	25.438	24.399	27.354
Shingles, cedar, red, mill	1,000	1.967	2.816	2.819	2.734	2.541	2.786	3.002
Brick, common, building, plant	do		14.323	14.005	13.913	14.021	13.717	13.616
Cement, Portland	Barrel	1.005	1.838	1.789	1.744	1.686	1.672	1.601
Linseed oil, raw, New York	Pound	.062	.134	.139	.112	.105	.100	.123
White lead, in oil, New York	do	.068	.141	.156	.152	.140	.133	.138
Glass, plate, 5 to 10 sq. ft., N. Y.	Sq. ft	.318	.638	.553	.478	.395	.385	.385
Glass, window, single B, works	50 sq. ft.	2.221	3.389	3.095	3.110	2.980	3.080	3.420
Lime, building, plant	Ton		9.586	9.388	8.984	8.825	8.562	7.987
VIII.—CHEMICALS AND DRUGS								
Acid, sulphuric, 66°, New York	Ton	20.000	14.267	14.000	14.600	15.104	15.500	15.500
Alcohol, denatured, New York	Gallon	.366	.511	.578	.367	.478	.530	.570
Ammonia, anhydrous, New York	Pound	.250	.289	.266	.131	.114	.135	.140
Soda ash, light, 58 per cent, works	100 lbs			1.430	1.430	1.375	1.366	1.345
Soda, caustic, New York	do	1.460	3.280	3.200	3.200	3.078	2.950	2.950
Tallow, packer's prime, Chicago	Pound	.071	.088	.097	.087	.081	.088	.085
Alcohol, grain, New York	Gallon	2.499	4.802	4.859	4.855	3.741	2.701	2.745
Phenol, U. S. P., New York	Pound		.291	.224	.971	.169	.150	.138
Acid phosphate, Baltimore	Ton		8.732	9.346	9.592	8.547	9.292	9.731
Nitrate of soda, 95 per cent, N. Y.	100 lbs	2.469	2.526	2.579	2.550	2.495	2.232	2.157
Sulphate of ammonia, New York	do		3.047	2.861	2.628	2.427	2.484	2.213
Fertilizers, mixed, South Atlantic, 8-3-3.	Ton	20.310	23.480	22.800	23.200	21.792	22.900	22.400
IX.—HOUSEFURNISHING GOODS [7]								
Carpets, Brussels, factory	Yard	1.292	3.036	3.152	3.064	2.976	2.976	2.976
X.—MISCELLANEOUS								
Bran, Minneapolis	Ton	18.365	24.546	24.841	23.084	26.861	30.159	26.594
Cottonseed meal, prime, Memphis	do	31.608	41.020	36.313	28.542	35.604	47.042	38.542
Middlings, standard, Minneapolis	do	19.452	25.850	26.570	23.430	29.127	31.582	27.741
Paper, newsprint, rolls, contract, mills.	100 lbs	2.300	3.800	3.700	3.500	3.250	3.250	3.250
Paper, wrapping, manila, No. 1, jute, New York.	do	4.880	10.490	11.660	11.030	9.230	9.125	9.125
Wood pulp, sulphite, domestic, unbleached, New York.	do	2.225	2.745	2.682	2.865	2.633	2.522	2.535
Rubber, plantation, ribbed, New York.	Pound	.820	.434	.730	.487	.381	.226	.206
Automobile tires, balloon, factory	Each				18.289	13.777	11.784	10.252
Cylinder oil, Pennsylvania	Gallon		.266	.284	.264	.251	.236	.357
Neutral oil, Pennsylvania	do		.264	.241	.280	.332	.314	.269
Soap, laundry, Philadelphia	100 cakes	3.528	4.867	4.921	4.851	4.851	4.851	4.851
Starch, laundry, New York	Pound	.037	.056	.060	.058	.058	.058	.058
Tobacco, plug, New York	do		.698	.696	.696	.696	.696	.696
Tobacco, smoking, 1-ounce bag, New York.	Gross	5.640	8.898	8.320	8.320	8.320	8.320	8.320

[7] Owing to frequent changes in patterns announced by manufacturers, prices of individual articles of furniture are only roughly comparable from year to year and are not shown.

Source: Bureau of Labor Statistics, Department of Labor.

No. 346.—WHOLESALE PRICES: INDEX NUMBERS

NOTE.—Figures in boxes indicate number of quotations. Bradstreet's index is the sum of the prices per pound of the 96 commodities. Dun's is weighted by the amount "annually consumed by each inhabitant." For method of computing the Department of Labor index see general note p. 321

[1926=100]

Year	Bradstreet's index [1]	Dun's index [1]	Department of Labor			
			All commodities	Raw materials	Semi-manufactured articles	Finished products
	96	300	550	108	62	380
1913	70.9	64.3	69.8	68.8	74.9	69.4
1914	68.9	64.8	68.1	67.6	70.0	67.8
1915	77.4	67.6	69.5	67.2	81.2	68.9
1916	93.3	80.3	85.5	82.6	118.3	82.3
1917	123.8	110.5	117.5	122.6	150.4	109.2
1918	145.2	121.9	131.3	135.8	153.8	124.7
1919	145.6	123.2	138.6	145.9	157.9	130.6
1920	140.6	129.3	154.4	151.8	198.2	149.8
1921	87.2	89.1	97.6	88.3	96.1	103.3
1922	95.3	92.3	96.7	96.0	98.9	96.5
1923	103.5	100.8	100.6	98.5	118.6	99.2
1924	100.0	100.9	98.1	97.6	108.7	96.3
1925	108.0	104.6	103.5	106.7	105.3	100.6
1926	100.0	100.0	100.0	100.0	100.0	100.0
1927	99.4	99.4	95.4	96.5	96.9	94.5
1928	102.4	103.1	97.7	99.1	97.4	97.0
1929	97.3	101.0	96.5	97.5	96.5	96.2

[1] As of the end of the month.

Source: Survey of Current Business and Department of Labor.

No. 347.—COST OF LIVING IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. Figures for food represent 51 cities; other figures, 19 cities from 1913 to December, 1917, inclusive, and 32 cities thereafter. Totals weighted by relative importance of items as ascertained by country-wide study of cost of living

Date	All items	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
December, 1914	103.0	105.0	101.0	100.0	101.0	104.0	103.0
December, 1915	105.1	105.0	104.7	101.5	101.0	110.6	107.4
December, 1916	118.3	126.0	120.0	102.3	108.4	127.8	113.3
December, 1917	142.4	157.0	149.1	100.1	124.1	150.6	140.5
December, 1918	174.4	187.0	205.3	109.2	147.9	213.6	165.8
June, 1919	177.3	184.0	214.5	114.2	145.6	225.1	173.2
December, 1919	199.3	197.0	268.7	125.3	156.8	263.5	190.2
June, 1920	216.5	219.0	287.5	134.9	171.9	292.7	201.4
December, 1920	200.4	178.0	258.5	151.1	194.9	285.4	208.2
May, 1921	180.4	144.7	222.6	159.0	181.6	247.7	208.8
December, 1921	174.3	149.9	184.4	161.4	181.1	218.0	206.8
June, 1922	166.6	140.7	172.3	160.9	174.2	202.9	201.5
December, 1922	169.5	146.6	171.5	161.9	186.4	208.2	200.5
March, 1923	168.8	141.9	174.4	162.4	186.2	217.6	200.3
June, 1923	169.7	144.3	174.9	163.4	180.6	222.2	200.3
September, 1923	172.1	149.3	176.5	164.4	181.3	222.4	201.1
December, 1923	173.2	150.3	176.3	166.5	184.0	222.4	201.7
March, 1924	170.4	143.7	175.8	167.0	182.2	221.3	201.1
June, 1924	169.1	142.4	174.2	168.0	177.3	216.0	201.1
September, 1924	170.6	146.8	172.3	168.0	179.1	214.9	201.1
December, 1924	172.5	151.5	171.3	168.2	180.5	216.0	201.7
June, 1925	173.5	155.0	170.6	167.4	176.5	214.3	202.7
December, 1925	177.9	165.5	169.4	167.1	186.9	214.3	203.5
June, 1926	174.8	159.7	168.2	165.4	180.7	210.4	203.3
December, 1926	175.6	161.8	166.7	164.2	188.3	207.7	203.9
June, 1927	173.4	158.5	164.9	162.1	180.8	205.2	204.5
December, 1927	172.0	155.9	162.9	160.2	183.2	204.6	205.1
June, 1928	170.0	152.6	162.6	157.6	177.2	201.1	205.5
December, 1928	171.3	155.8	161.9	155.9	181.3	199.7	207.1
June, 1929	170.2	154.8	161.3	153.7	175.2	198.5	207.3
December, 1929	171.4	158.0	160.5	151.9	178.7	197.7	207.9

Source: Bureau of Labor Statistics, Department of Labor.

No. 348.—COST OF LIVING IN PRINCIPAL CITIES: INDEX NUMBERS

City	Index of total cost of living for December—							Index December, 1929, for—					
	1920	1924	1925	1926	1927	1928	1929	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
Dec., 1914=100													
Baltimore, Md	196.8	174.8	181.2	178.6	174.5	173.9	175.1	156.7	167.2	163.4	186.1	199.4	220.2
Boston, Mass	197.4	167.3	174.7	171.9	169.5	168.2	168.4	153.2	179.0	149.2	194.3	218.0	192.9
Buffalo, N. Y	201.7	177.8	184.8	183.6	180.2	179.6	180.0	157.9	171.0	166.5	227.0	204.2	219.1
Chicago, Ill	193.3	175.3	180.6	179.0	174.3	173.1	173.7	167.3	149.2	177.2	156.7	197.0	202.9
Cleveland, Ohio	207.3	178.1	182.7	181.5	179.0	175.4	174.3	147.0	163.2	158.9	263.1	188.8	218.3
Detroit, Mich	218.6	182.2	187.8	184.1	179.0	177.4	177.8	157.9	161.7	177.8	177.5	179.4	230.6
Houston, Tex	204.0	170.5	174.3	170.6	167.9	166.4	168.0	155.8	184.1	127.1	131.8	229.5	192.5
Jacksonville, Fla	206.2	170.4	181.7	181.3	173.0	169.1	165.8	140.8	182.4	113.2	175.0	213.9	201.0
Los Angeles, Calif	196.7	175.4	177.4	172.2	170.6	171.0	168.7	140.9	169.3	143.7	151.4	205.9	211.7
Mobile, Ala	193.3	163.9	168.5	168.1	165.5	165.7	164.8	149.0	147.2	140.6	185.8	187.3	208.3
New York, N. Y	201.4	176.5	183.2	180.0	179.1	176.3	177.1	154.9	185.9	166.1	195.1	195.4	222.9
Norfolk, Va	209.0	172.1	176.4	174.6	173.4	174.1	173.5	155.8	170.4	137.1	192.7	183.0	219.3
Philadelphia, Pa	200.7	176.1	182.6	182.3	178.3	174.5	175.0	156.1	171.2	156.5	186.3	184.7	221.2
Portland, Me	193.1	166.0	170.3	169.2	167.0	166.6	165.8	155.7	165.6	119.8	201.9	212.1	197.1
Portland, Oreg	180.3	155.8	156.9	155.1	152.8	152.4	151.6	143.7	147.8	108.2	161.8	181.0	177.7
San Francisco and Oakland, Calif	185.1	160.1	164.7	161.7	160.7	161.7	160.8	148.7	181.5	130.4	140.3	197.4	182.5
Savannah, Ga	198.7	156.3	162.9	160.5	158.1	159.1	157.2	135.1	167.7	128.3	156.1	217.2	184.5
Seattle, Wash	194.1	167.8	171.7	169.1	166.9	167.1	168.7	145.9	166.6	152.1	165.8	232.6	198.8
Washington, D. C	187.8	163.1	167.3	166.0	160.8	160.2	159.2	157.4	162.3	130.0	139.7	200.2	174.3
Dec., 1917=100													
Atlanta, Ga	138.5	114.9	119.0	117.4	114.3	115.6	113.5	100.1	99.4	135.9	131.6	114.1	134.2
Birmingham, Ala	133.3	116.8	119.2	117.8	115.7	114.2	111.8	97.2	95.0	140.8	138.8	110.5	127.2
Cincinnati, Ohio	134.7	117.6	123.0	123.8	121.3	121.2	123.1	104.5	93.6	156.7	170.9	113.1	151.2
Denver	138.7	120.2	122.5	120.4	116.6	116.3	116.1	93.2	107.9	151.1	129.2	116.0	138.7
Indianapolis, Ind	137.6	121.4	124.3	122.3	119.2	118.5	118.8	102.0	102.4	127.9	131.0	111.7	152.0
Kansas City, Mo	139.5	115.3	118.1	115.2	111.9	111.3	111.7	97.8	101.8	120.1	123.9	103.4	136.9
Memphis, Tenn	139.3	120.4	122.1	119.9	117.3	117.5	116.5	94.9	99.9	140.6	155.3	113.9	138.6
Minneapolis, Minn	135.7	117.3	120.3	118.2	115.4	115.2	116.2	103.9	97.2	125.2	144.3	110.9	136.6
New Orleans, La	136.7	120.6	122.7	121.7	119.9	119.5	118.8	98.2	112.6	151.3	118.1	115.7	145.8
Pittsburgh, Pa	139.3	124.9	128.5	127.2	124.8	124.4	123.2	101.2	102.1	167.1	186.0	114.6	147.5
Richmond, Va	133.3	116.5	120.8	119.3	116.4	115.7	114.9	96.6	104.2	127.0	144.7	131.3	141.0
St. Louis, Mo	135.4	120.7	125.0	124.5	121.4	120.4	121.7	99.5	100.8	169.2	133.4	116.2	144.2
Scranton, Pa	139.1	125.8	132.0	129.8	128.5	127.8	127.3	106.5	113.7	163.9	167.6	126.0	157.3

Source: Bureau of Labor Statistics, Department of Labor.

No. 349.—RETAIL FOOD PRICES IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. The principal commodities used in this index number are listed in Table 351. For index numbers for individual cities see Table 350

Year	Index numbers of— Retail price of food	Index numbers of— Purchasing power of the dollar measured in food	Year	Index numbers of— Retail price of food	Index numbers of— Purchasing power of the dollar measured in food	Year	Index numbers of— Retail price of food	Index numbers of— Purchasing power of the dollar measured in food
1890	70	143	1904	76	132	1918	168	60
1891	71	141	1905	76	132	1919	186	54
1892	69	145	1906	79	127	1920	203	49
1893	71	141	1907	82	122	1921	153	65
1894	68	147	1908	84	119	1922	142	70
1895	67	149	1909	89	112	1923	146	68
1896	65	154	1910	93	108	1924	146	68
1897	65	154	1911	92	109	1925	157	64
1898	67	149	1912	98	102	1926	161	62
1899	68	147	1913	100	100	1927	155	64
1900	69	145	1914	102	98	1928	154	65
1901	72	139	1915	101	99	1929	157	64
1902	75	133	1916	114	88			
1903	75	133	1917	146	68			

No. 350.—RETAIL FOOD PRICES IN PRINCIPAL CITIES: INDEX NUMBERS

NOTE.—1913 average=100. For average for all cities see Table 349

City	1916	1920	1923	1924	1925	1926	1927	1928	1929	1929 Mar.	1929 June	1929 Sept.	1929 Dec.
Atlanta, Ga	108	202	143	144	158	165	160	158	160	158	159	164	158
Baltimore, Md	113	207	152	152	164	168	161	159	161	155	159	166	162
Birmingham, Ala	116	209	149	150	165	168	161	159	160	157	159	162	160
Boston, Mass	112	203	151	149	158	162	157	156	158	154	154	162	160
Buffalo, N. Y	115	210	151	149	162	166	160	159	161	158	160	166	163
Charleston, S. C	108	207	148	149	159	164	157	156	158	155	156	162	160
Chicago, Ill	114	207	152	155	166	171	166	165	168	164	167	170	172
Cincinnati, Ohio	112	203	143	142	157	163	157	157	163	158	162	166	165
Cleveland, Ohio	114	208	145	145	156	162	155	153	154	149	154	160	151
Dallas, Tex	111	197	143	146	156	156	154	155	157	157	155	160	159
Denver, Colo	112	195	135	134	143	144	140	139	141	137	141	142	142
Detroit, Mich	114	215	152	151	165	169	163	160	164	159	164	169	163
Fall River, Mass	112	204	150	145	153	158	155	154	155	151	151	160	156
Indianapolis, Ind	114	202	142	141	151	157	151	151	155	152	152	161	156
Jacksonville, Fla	108	192	139	140	153	161	150	145	144	141	143	150	146
Kansas City, Mo	114	206	141	141	155	158	150	150	154	152	151	159	156
Little Rock, Ark	110	195	139	138	149	153	148	147	152	149	149	156	153
Los Angeles, Calif	102	184	140	141	149	146	143	143	146	142	144	151	144
Louisville, Ky	110	197	136	138	154	157	152	153	156	155	156	159	155
Manchester, N. H	113	206	149	145	152	157	153	154	154	151	151	159	153
Memphis, Tenn	111	204	138	137	150	152	146	148	151	147	150	153	151
Milwaukee, Wis	115	209	148	149	157	163	157	156	159	156	156	164	160
Minneapolis, Minn	114	208	144	143	154	159	152	153	157	156	156	161	159
Newark, N. J	111	195	146	143	151	154	150	150	151	146	149	155	154
New Haven, Conn	115	201	149	146	155	161	157	157	158	155	155	165	162
New Orleans, La	112	200	143	144	156	156	154	153	156	154	154	160	158
New York, N. Y	112	204	153	150	160	164	160	158	160	155	157	164	162
Omaha, Nebr	115	210	142	142	155	159	151	147	150	149	148	153	151
Philadelphia, Pa	113	201	149	147	159	164	160	158	159	154	157	164	163
Pittsburgh, Pa	112	202	149	148	158	162	158	156	160	158	159	163	160
Portland, Oreg	104	187	133	134	142	140	139	140	144	139	143	147	145
Providence, R. I	114	209	153	149	158	162	156	156	158	155	157	164	160
Richmond, Va	114	214	156	153	166	170	162	161	162	161	159	166	162
St. Louis, Mo	114	213	145	147	160	164	159	156	161	157	161	165	161
Salt Lake City, Utah	111	185	127	127	140	135	134	132	136	132	135	139	136
San Francisco, Calif	105	189	142	144	155	153	151	151	154	150	151	157	155
Scranton, Pa	112	208	153	148	161	165	162	163	164	159	162	170	168
Seattle, Wash	105	190	138	139	150	147	145	145	149	144	149	153	152
Washington, D. C	112	208	154	152	165	169	163	164	164	159	164	171	163

Source: Bureau of Labor Statistics, Department of Labor.

No. 351.—RETAIL PRICES OF PRINCIPAL ARTICLES OF FOOD IN THE UNITED STATES: ACTUAL AND RELATIVE

NOTE.—For index numbers 1913 average = 100. Data are averages of prices as reported by retail dealers as of the 15th of each month in 51 of the larger cities since the year 1920 and in a smaller number of cities for earlier years (39 in 1913)

Year or month	Sirloin steak		Round steak		Rib roast		Pork chops		Bacon		Lard	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
	Per lb.		*Per lb.*		*Per lb.*		*Per lb.*		*Per lb.*		*Per lb.*	
1891–1895	-------	------	$0.123	55	-------	------	$0.112	53	$0.132	49	$0.100	63
1896–1900	-------	------	.127	57	-------	------	.111	53	.132	49	.091	58
1901–1905	-------	------	.141	63	-------	------	.137	65	.176	65	.116	73
1906–1910	[1]$0.192	76	.159	71	[1]$0.159	80	.167	80	.217	80	.136	86
1911–1915	.241	95	.213	96	.191	96	.201	96	.261	97	.150	95
1916–1920	.366	144	.338	152	.285	144	.356	170	.461	171	.290	184
1921–1925	.391	154	.337	151	.287	145	.331	158	.412	153	.190	120
1921	.388	153	.344	154	.291	147	.349	166	.427	158	.180	114
1922	.374	147	.323	145	.276	139	.330	157	.398	147	.170	108
1923	.391	154	.335	150	.284	143	.304	145	.391	145	.177	112
1924	.396	156	.338	152	.288	146	.308	147	.377	140	.190	120
1925	.406	160	.347	156	.296	150	.366	174	.467	173	.233	148
1926	.413	163	.356	160	.303	153	.395	188	.503	186	.219	139
1927	.426	168	.371	166	.313	158	.368	175	.472	175	.193	122
1928	.478	188	.420	188	.350	177	.348	166	.440	163	.186	118
1929	.500	197	.444	199	.367	185	.369	176	.435	161	.183	116
March	.479	189	.422	189	.355	179	.352	168	.429	159	.184	116
June	.512	202	.458	205	.376	190	.376	179	.438	162	.183	116
September	.515	203	.461	207	.375	189	.407	194	.444	164	.185	117
December	.489	193	.434	195	.360	182	.343	163	.425	157	.176	111

Year or month	Hens		Eggs		Butter		Cheese		Milk		Bread	
	Per lb.		*Per doz.*		*Per lb.*		*Per lb.*		*Per qt.*		*Per lb.*	
1891–1895	$0.136	64	$0.214	62	$0.268	70	-------	------	$0.068	76	-------	------
1896–1900	.131	62	.199	58	.247	64	-------	------	.067	75	-------	------
1901–1905	.154	72	.254	74	.281	73	-------	------	.071	80	-------	------
1906–1910	.182	85	.304	88	.333	87	-------	------	.079	89	-------	------
1911–1915	*.206*	*97*	*.341*	*99*	*.363*	*95*	[2]*$0.227*	*103*	*.088*	*99*	[2]*$0.063*	*113*
1916–1920	.351	165	.527	153	.567	148	.358	162	.133	149	.096	171
1921–1925	.365	171	.483	140	.523	137	.352	159	.139	156	.091	163
1921	.397	186	.509	148	.517	135	.340	154	.146	164	.099	177
1922	.360	169	.444	129	.479	125	.329	149	.131	147	.087	155
1923	.350	164	.465	135	.554	145	.369	167	.138	155	.087	155
1924	.353	166	.478	139	.517	135	.353	160	.138	155	.088	157
1925	.366	172	.521	151	.548	143	.367	166	.140	157	.094	168
1926	.388	182	.485	141	.531	139	.366	166	.140	157	.094	168
1927	.369	173	.452	131	.556	145	.376	170	.141	158	.093	166
1928	.374	176	.464	134	.565	148	.385	174	.142	160	.091	162
1929	.397	186	.490	142	.551	144	.380	172	.143	161	.090	161
March	.405	190	.421	122	.584	152	.382	173	.143	161	.090	161
June	.413	194	.414	120	.538	140	.380	172	.142	160	.090	161
September	.392	184	.530	154	.548	143	.380	172	.143	161	.090	161
December	.371	174	.628	182	.516	135	.377	171	.144	162	.089	159

Year or month	Flour		Corn meal		Rice		Potatoes		Sugar		Coffee	
	Per ⅛ bbl. bag		*Per lb.*		*Per lb.*		*Per pk.*		*Per lb.*		*Per lb.*	
1891–1895	$0.637	79	$0.020	67	-------	------	$0.235	92	$0.057	104	-------	------
1896–1900	.639	79	.018	60	-------	------	.211	83	.058	105	-------	------
1901–1905	.687	85	.022	73	-------	------	.263	103	.058	105	-------	------
1906–1910	.807	100	.027	90	-------	------	.271	106	.059	107	-------	------
1911–1915	.872	108	.031	103	[2]$0.089	102	.282	111	.061	111	[2]$0.298	100
1916–1920	1.637	202	.058	193	.130	149	.609	239	.115	209	.362	121
1921–1925	1.303	161	.045	151	.099	114	.453	178	.084	152	.410	138
1921	1.421	176	.045	150	.095	109	.465	182	.080	145	.363	122
1922	1.250	155	.039	130	.095	109	.420	165	.073	133	.361	121
1923	1.152	142	.041	137	.095	109	.435	171	.101	184	.377	127
1924	1.201	149	.047	157	.101	116	.405	159	.092	167	.433	145
1925	1.495	185	.054	180	.111	128	.540	212	.072	131	.515	173
1926	1.470	182	.051	170	.116	133	.735	288	.069	126	.510	171
1927	*1.348*	*167*	*.052*	*173*	*.107*	*123*	.570	224	.073	133	.483	162
1928	1.323	164	.053	177	.100	115	.405	159	.071	129	.492	165
1929	1.250	154	.053	177	.097	112	.480	188	.066	120	.491	165
March	1.250	154	.053	177	.098	113	.345	135	.065	118	.496	166
June	1.200	148	.053	177	.097	112	.465	182	.064	116	.494	166
September	1.298	161	.053	177	.097	112	.586	229	.067	122	.492	165
December	1.250	154	.054	180	.096	110	.570	224	.066	120	.463	155

[1] 1907–1910. [2] 1913–1915.

Source: Bureau of Labor Statistics, Department of Labor.

No. 352.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT DOMESTIC ARTICLES EXPORTED FROM THE UNITED STATES

NOTE.—The values of the goods are required by law to represent their market value at the port of exportation. The headnote to Table 353 also applies to this table

Year ended—	Bacon, hams, and shoulders, per pound	Pork, pickled, per pound	Eggs, per dozen	Milk: Condensed and evaporated, per pound	Butter, per pound	Cheese, per pound	Lard, per pound	Sole leather, per pound	Corn, per bushel	Rye, per bushel	Wheat, per bushel	Wheat flour, per barrel	Oil cake, and oil cake meal, per pound	Cottonseed oil, per pound [1]	Sugar, per pound	Rosin, per barrel [2]	Spirits of turpentine, per gallon	Tobacco, leaf, per pound	Cotton, per pound	Boards, planks, per M feet	Coal: Anthracite, per ton	Coal: Bituminous, per ton	Petroleum, crude, per gallon	Gasoline, naphtha, etc., per gallon	Kerosene, per gallon	Wire, per pound	Wire nails, per pound
June 30—	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Dols.	Dols.	Dols.	Dols.	Cts.	Cts.	Cts.	Dols.	Dols.	Cts.	Cts.	Dols.	Dols.	Dols.	Cts.	Cts.	Cts.	Cts.	Cts.
1903	9.9	10.5	21.5	-----	18.0	11.9	10.4	18.5	0.54	0.58	0.77	3.74	1.2	39.9	3.4	2.01	0.49	9.8	8.9	19.67	4.85	2.78	4.7	9.3	6.7	2.3	2.0
1904	11.4	8.5	22.3	-----	16.5	10.5	8.3	18.9	.54	.58	.81	4.05	1.1	36.9	3.5	2.56	.55	9.6	12.0	20.05	4.93	2.75	5.7	10.7	7.8	2.3	2.1
1905	10.5	7.9	21.9	-----	16.4	10.7	7.7	21.4	.53	.84	.89	4.55	1.1	29.4	4.1	3.06	.56	9.0	8.8	19.08	4.99	2.63	5.2	8.4	6.8	2.2	2.2
1906	10.1	8.2	21.0	-----	18.0	11.7	8.1	20.2	.53	.67	.82	4.25	1.3	31.2	3.8	4.06	.63	9.5	11.0	21.34	4.93	2.58	5.0	8.0	6.3	2.2	2.1
1907	10.1	9.1	22.1	-----	19.4	11.6	9.2	22.0	.53	.75	.79	3.99	1.3	40.8	3.9	4.42	.65	10.0	10.6	24.55	4.90	2.56	5.2	10.4	6.3	2.3	2.3
1908	10.9	8.9	20.3	-----	21.8	12.9	9.1	21.1	.65	.90	.99	4.61	1.3	42.0	3.8	4.20	.52	10.6	11.4	23.00	4.88	2.58	4.8	11.0	6.8	2.5	2.5
1909	10.9	8.8	23.0	-----	21.2	12.6	10.0	20.9	.70	.82	1.02	4.86	1.3	40.8	3.5	3.69	.40	10.9	9.4	21.40	4.97	2.55	4.1	9.1	6.6	2.3	2.2
1910	10.8	11.1	23.7	7.7	25.0	15.5	11.9	21.7	.69	.77	1.02	5.27	1.4	6.6	4.3	4.55	.56	10.8	14.0	21.83	4.94	2.49	3.1	8.1	6.2	2.4	2.1
1911	12.1	10.8	20.9	7.7	21.7	12.4	11.0	21.5	.56	.95	.93	4.88	1.4	7.6	4.1	6.42	.73	11.1	14.5	21.54	4.99	2.48	2.9	8.5	5.6	2.3	2.1
1912	13.3	9.5	22.0	8.8	24.1	14.2	9.8	22.0	.72	.81	.94	4.63	1.4	6.0	4.6	6.65	.51	11.5	10.2	22.14	5.11	2.54	3.3	9.0	5.7	2.2	2.0
1913	12.1	10.6	21.5	8.7	24.3	17.0	11.2	24.0	.59	.69	.97	4.67	1.4	6.6	3.8	6.19	.42	11.9	11.9	24.30	5.30	2.52	3.9	13.3	6.3	2.1	2.1
1914	13.1	10.8	23.1	8.3	23.8	17.1	11.3	25.6	.75	.70	.95	4.61	1.4	7.2	3.6	4.64	.43	12.1	12.8	23.94	5.27	2.49	4.7	14.3	6.4	2.1	2.1
1915	13.8	10.8	24.1	8.2	24.3	15.3	11.0	29.7	.81	1.17	1.28	5.86	1.4	6.9	4.7	4.53	.47	12.8	8.5	22.25	5.27	2.53	3.2	11.2	6.0	2.2	2.0
1916	13.9	10.6	23.2	8.0	26.6	16.7	11.2	34.8	.81	1.06	1.24	5.63	1.6	8.5	4.9	5.65	.47	12.1	12.3	23.76	5.25	2.43	3.5	16.3	6.4	2.9	2.6
1917	17.6	14.8	30.4	9.7	32.6	23.1	17.3	43.6	1.12	1.63	1.99	7.30	1.8	12.5	6.2	6.53	.49	14.7	18.1	26.00	5.56	2.94	4.1	20.8	5.4	3.9	3.8
1918	26.7	22.7	37.8	12.9	38.6	24.3	25.0	53.8	1.84	1.99	2.37	11.19	2.5	18.2	6.9	7.36	.53	24.1	28.7	41.50	6.16	3.89	5.0	23.6	8.9	5.1	5.2
Dec. 31—																											
1919	31.5	25.3	48.5	14.3	50.7	37.8	31.3	44.7	1.66	1.88	2.41	11.09	3.3	21.2	7.8	16.89	.98	33.9	33.9	49.45	8.25	4.66	6.0	23.8	12.2	5.5	5.3
1920	25.2	19.8	50.6	15.7	53.0	31.0	23.4	53.4	1.49	2.14	2.73	11.30	3.1	18.9	10.3	16.72	1.54	52.4	35.9	62.13	9.44	8.85	8.6	26.6	15.3	5.8	5.7
1921	17.9	12.8	32.5	9.3	40.8	23.1	13.0	34.6	.72	1.48	1.55	7.01	2.0	9.6	5.2	5.19	.65	39.7	16.2	37.93	10.92	5.94	5.4	23.1	12.5	5.5	5.0
1922	17.3	12.0	26.3	10.0	37.2	24.9	11.9	24.6	.70	.97	1.25	5.69	2.1	9.7	3.8	5.25	1.08	33.9	21.6	37.45	10.72	5.95	4.4	21.9	9.3	3.4	3.3
1923	14.4	11.7	27.5	11.4	43.9	26.2	12.6	26.5	.87	.91	1.18	5.40	2.2	10.6	6.5	5.14	1.07	32.1	29.6	46.24	10.91	5.46	3.2	16.3	9.0	3.9	4.0
1924	14.2	11.9	26.5	10.8	41.5	26.0	13.3	22.6	.97	1.10	1.43	5.70	2.1	10.6	5.5	5.30	.88	29.8	27.7	41.25	11.17	4.65	3.6	14.1	9.7	3.6	4.0
1925	20.1	16.0	30.1	11.8	45.1	26.3	17.1	25.9	1.12	1.30	1.72	7.65	2.1	10.4	3.7	9.02	.98	32.7	24.2	42.62	11.19	4.39	4.4	15.3	9.5	3.4	3.8
1926	21.6	16.5	28.8	12.5	46.1	28.6	15.5	28.6	.86	1.03	1.46	7.02	1.8	10.0	3.5	12.61	.92	28.5	17.4	39.97	11.42	4.95	4.4	14.8	10.9	3.4	3.4
1927	18.4	14.3	27.0	12.8	46.3	30.1	13.5	32.0	.85	1.10	1.42	6.65	1.9	8.7	4.1	9.36	.60	27.5	16.9	39.51	11.09	4.44	3.9	11.5	9.8	3.2	3.4
1928	16.5	14.2	30.4	12.7	47.7	30.7	13.0	36.3	1.02	1.20	1.25	6.23	2.3	9.0	3.5	8.40	.53	26.8	20.1	37.56	10.96	4.12	3.4	10.7	10.2	3.0	2.9
1929	17.9	14.3	33.8	12.8	47.0	27.8	12.7	27.5	1.01	1.05	1.24	5.91	2.2	9.2	3.0	7.96	.52	26.3	19.4	38.79	10.71	4.22	3.4	10.6	10.1	3.2	3.0

[1] Per gallon prior to 1910. Approximately 7½ pounds=1 gallon.

[2] Barrels of 280 pounds.

Source: Bureau of Foreign and Domestic Commerce.

No. 353.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT ARTICLES IMPORTED INTO THE UNITED STATES

NOTE.—The values are required by law to represent the values of the goods *in the foreign markets* whence exported to the United States. "Ton" signifies long ton of 2,240 pounds. The averages are obtained by dividing the total value of imports of the specified article by the total quantity, and as in some commodities there may be considerable variations in price between different grades, methods of packing, etc., and as the proportions of the grades, etc., may vary from year to year, the averages in such cases may show the actual price movements only roughly

Year ended—	Cheese, per pound	Fish, cured, per barrel (200 pounds)		Hides and skins, per pound		Rice, per pound	Wheat, per bushel	Copra, per pound	Flaxseed, per bushel	Cocoa, per pound	Coffee, per pound	Tea, per pound	Cane sugar, per pound	Rubber, crude, per pound	Shellac, per pound	Tobacco, leaf, per pound		Cotton, unmanufactured, per pound	Jute and jute butts, per ton	Flax, per ton
		Herring	Mackerel	Goat	Cattle											Cigar wrappers	Other leaf			
June 30—	*Cents*	*Dollars*	*Dollars*	*Cents*	*Cents*	*Cents*	*Dollars*	*Cents*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*	*Cents*	*Cents*	*Dollars*	*Dollars*
1903	15.4	7.37	14.73	29.3	12.3	2.2	0.62	--------	1.50	12.3	6.5	14.4	1.71	55.3	23.4	0.74	45.36	14.5	42.14	248.68
1904	14.5	6.58	13.86	27.8	12.9	2.5	1.10	--------	.95	12.3	7.0	16.2	1.94	68.5	32.1	.76	47.52	17.5	42.43	251.10
1905	14.6	6.50	12.12	27.6	13.2	2.5	.89	--------	1.08	11.6	8.8	15.8	2.64	74.2	35.0	.74	48.77	15.6	45.82	279.44
1906	15.8	7.47	12.19	28.6	14.0	2.5	.92	--------	1.41	10.9	8.6	15.6	2.14	78.0	32.4	.96	52.16	15.3	62.05	266.62
1907	16.9	7.50	12.28	31.3	15.3	3.0	.63	4.3	1.38	14.5	7.9	16.1	2.11	76.6	32.7	1.14	54.55	19.0	85.66	260.41
1908	17.2	6.78	13.74	27.2	12.2	2.9	.97	3.4	1.25	17.2	7.6	17.3	2.37	58.8	31.0	1.06	63.41	19.9	60.49	263.93
1909	16.5	6.80	10.47	25.0	12.4	2.7	.89	2.8	1.40	11.4	7.5	16.2	2.30	69.8	20.3	.95	65.58	15.7	46.06	257.57
1910	17.3	6.96	10.43	26.6	14.7	2.6	.92	3.6	1.71	10.5	7.9	16.0	2.59	100.0	13.2	.98	52.91	18.4	54.70	277.10
1911	17.4	7.24	9.50	25.0	14.4	2.8	.94	4.1	2.04	10.5	10.3	17.2	2.45	105.8	14.9	1.08	53.63	21.8	72.33	342.47
1912	18.9	7.79	12.19	24.4	15.3	2.4	.82	4.4	1.90	10.9	13.3	18.0	2.81	84.4	12.2	1.25	51.17	18.4	71.12	346.65
1913	18.6	8.24	10.35	25.7	17.3	3.7	.70	4.5	1.54	12.4	13.8	18.4	2.18	79.5	13.9	1.29	45.33	18.9	74.01	318.01
1914	17.3	7.21	10.98	26.2	18.6	3.2	.89	5.3	1.22	11.8	11.1	18.4	2.00	54.0	16.1	1.28	50.44	15.7	105.38	290.37
1915	18.7	6.57	12.27	24.3	18.3	2.4	1.10	3.8	1.25	11.9	9.5	18.1	3.21	48.3	12.5	1.28	46.44	12.5	56.26	399 60
1916	23.5	7.86	13.65	27.2	20.3	2.4	1.02	4.1	1.38	14.4	9.6	18.8	3.70	57.9	12.8	1.43	40.45	17.2	73.07	505.59
1917	30.8	9.44	16.14	52.5	25.9	2.8	1.74	5.1	2.03	11.8	10.1	18.6	4.33	56.8	23.4	1.34	47.83	27.5	87.50	535.00
1918	41.5	16.57	12.48	47.4	25.3	3.5	2.02	5.5	2.56	10.3	9.0	20.4	4.82	52.1	41.5	1.21	53.37	34.9	92.11	1,037.72
Dec. 31—																				
1919	35.9	13.65	25.00	71.5	30.8	7.0	1.88	6.4	3.16	14.8	19.6	24.9	5.60	40.2	48.6	1.40	83.10	41.0	134.51	904.21
1920	35.4	12.49	18.81	110.5	31.1	10.3	2.10	6.6	3.03	15.8	19.5	27.0	12.59	42.9	80.8	1.80	89.93	46.2	100.93	566.77
1921	32.3	11.05	15.32	37.8	12.9	3.4	1.54	3.9	1.66	7.6	10.7	18.6	3.94	17.8	48.9	2.00	92.84	23.7	93.08	566.91
1922	31.4	10.21	17.34	40.5	14.5	3.4	1.15	3.7	2.09	9.3	12.9	24.5	2.59	15.1	59.3	2.04	74.67	25.6	107.38	575.03
1923	32.4	9.95	15.91	43.9	16.0	3.3	.99	4.0	2.01	8.2	13.5	28.2	4.93	26.7	59.7	2.35	80.76	26.4	128.33	511.09
1924	29.2	12.09	17.37	39.3	13.1	4.0	1.00	4.4	1.81	7.8	17.6	29.3	4.39	23.7	53.5	2.56	97.77	30.3	114.02	515.19
1925	27.8	13.30	15.60	40.7	16.0	4.7	1.39	5.0	2.40	10.0	22.3	31.2	2.75	48.4	51.0	2.34	80.18	33.7	190.69	680.59
1926	26.9	12.09	12.05	44.6	14.7	4.5	1.39	5.1	1.84	10.0	21.6	32.7	2.47	54.6	33.6	2.25	75.48	25.5	215.06	478.07
1927	30.7	12.69	13.10	43.6	17.4	4.4	1.31	4.6	1.74	13.4	18.4	31.6	3.06	35.6	41.4	2.15	64.94	22.2	131.52	479.08
1928	30.3	12.98	13.96	46.0	23.1	4.2	1.17	4.5	1.78	12.4	21.3	30.3	2.68	25.0	42.4	2.06	63.64	24.9	129.45	698.47
1929	29.2	12.51	15.45	47.4	16.0	4.5	1.11	4.2	1.92	9.8	20.4	28.9	2.14	19.1	38.4	1.84	67.75	23.9	128.35	579.24

Year ended—	Hemp, per ton	Manila, per ton	Jute burlaps, per pound	Wool, per pound			Silk, raw, per pound	Pulpwood, per cord	Boards, planks, deals, per M feet	Wood pulp, per ton	Printing paper, per pound	Bituminous coal, per ton	Petroleum, crude, per gallon	Bar iron, per pound	Tin plates, terneplates, per pound	Copper, pigs, ingots, bars, per pound	Tin, bars, blocks, pigs, per pound	Sodium nitrate, per ton
				Carpet	Clothing	Combing												
June 30—	*Dollars*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Cents*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*
1903	166.96	192.80	--------	10	18	19	3.59	--------	14.80	28.98	--------	2.93	--------	1.9	2.9	12.4	26.83	30.69
1904	148.06	173.96	--------	12	19	22	3.52	--------	15.07	24.88	--------	2.59	--------	2.0	2.7	12.8	26.60	31.54
1905	160.10	195.99	5.5	13	23	25	3.34	--------	15.35	26.87	--------	2.44	--------	1.9	2.8	13.6	27.55	34.31
1906	170.55	187.90	6.5	14	24	28	3.64	--------	15.60	29.16	--------	2.40	--------	1.9	2.8	15.1	33.32	35.08
1907	176.00	199.51	8.2	15	26	30	4.20	4.29	17.40	29.79	--------	2.48	--------	1.9	3.3	19.8	39.70	41.05
1908	174.92	171.05	7.4	15	22	27	4.13	5.40	19.23	30.79	--------	2.59	--------	2.0	3.0	16.8	32.72	38.03
1909	153.45	115.60	5.9	11	21	21	3.38	5.96	18.85	31.47	2.4	2.85	--------	1.8	2.7	13.3	28.54	35.61
1910	161.89	112.78	5.0	13	24	25	3.21	6.39	18.35	31.11	2.1	2.75	--------	1.8	2.8	12.5	30.52	30.60
1911	177.78	116.04	5.3	13	23	26	3.25	6.40	18.49	28.42	2.4	2.83	--------	2.0	3.2	11.9	36.67	31.25
1912	219.75	116.74	6.6	13	21	24	3.11	6.47	17.45	29.78	2.4	2.85	1.9	2.0	4.3	12.7	41.56	32.09
1913	193.67	171.08	8.9	14	23	25	3.15	6.71	17.34	32.14	2.4	2.77	1.5	2.0	3.4	15.3	46.30	35.17
1914	177.34	196.82	8.6	17	25	26	3.42	6.75	19.05	33.49	2.4	2.71	1.5	2.0	3.0	14.4	39.35	31.82
1915	217.73	180.12	7.0	17	23	25	3.09	6.67	18.96	33.82	2.4	2.90	1.4	1.9	3.3	13.4	32.44	28.34
1916	252.45	178.31	9.0	22	28	29	3.61	6.51	18.97	33.27	2.4	2.99	1.4	2.8	7.9	19.4	35.34	29.98
1917	258.02	225.00	10.8	29	36	39	4.61	6.78	20.86	60.71	3.1	3.23	1.4	4.1	10.8	26.1	39.97	35.06
1918	403.40	352.99	13.3	40	54	62	4.69	9.46	25.49	62.66	4.2	4.42	1.3	4.8	8.4	24.6	54.60	43.64
Dec. 31—																		
1919	561.59	280.95	14.9	38	51	59	7.35	9.99	32.38	65.24	3.5	5.48	1.2	5.1	12.4	20.7	56.73	48.00
1920	411.75	304.09	15.6	32	51	58	9.48	13.62	42.73	110.50	4.7	6.06	1.3	6.1	14.5	18.4	58.50	47.75
1921	255.56	184.71	8.7	12	22	20	5.71	14.23	35.06	63.30	5.0	6.56	1.3	4.7	12.1	12.7	30.71	48.71
1922	232.40	124.89	9.4	17	25	29	7.21	10.53	29.54	56.29	3.5	5.92	1.3	2.8	5.1	12.7	30.26	48.21
1923	288.61	130.32	11.2	21	37	38	7.92	9.95	31.75	60.52	3.7	6.03	1.6	2.6	5.2	14.5	39.56	47.05
1924	345.50	175.54	10.3	24	46	47	6.39	10.24	30.11	55.71	3.7	5.73	2.3	2.7	6.8	12.6	47.32	47.81
1925	458.87	290.51	13.6	30	46	53	6.21	10.20	30.33	55.09	3.6	4.90	2.9	2.0	12.6	12.9	55.40	47.23
1926	373.73	263.92	13.7	26	35	39	5.91	10.25	28.79	59.01	3.3	4.85	3.1	2.3	6.1	12.6	60.63	46.79
1927	309.08	255.49	11.8	26	34	37	5.27	10.32	27.82	57.37	3.3	4.98	3.2	2.0	8.0	11.8	63.30	40.24
1928	341.41	202.65	12.9	25	44	44	4.87	10.45	27.54	53.27	3.2	4.91	2.7	2.9	7.4	12.4	49.80	35.81
1929	290.74	186.95	12.0	27	38	38	4.90	10.81	28.07	52.75	3.0	4.88	2.4	3.0	11.2	16.1	47.06	37.52

Source: Bureau of Foreign and Domestic Commerce.

15.—WAGES, HOURS OF LABOR, AND EMPLOYMENT

No. 354.—WAGES AND HOURS OF LABOR: Average Full-Time Hours per Week and Earnings per Hour in Specified Manufacturing Industries

NOTE.—General index based on 1913=100. Data are not collected annually, but at intervals; they are available, however, for some years not shown in this table unless otherwise indicated. For hours of labor in mines and quarries see Table 734; also consult index under "Wages" for data in other sections

TEXTILES

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Cotton goods													
	Weavers, male		Weavers, female		Spinners, frame, male		Spinners, frame, female		Speeder tenders, male		Speeder tenders, female		General index[1]	
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1910	58.8	0.151	57.8	0.147	57.2	0.120	59.0	0.108	61.4	0.131	57.8	0.133	102.1	87.5
1913	57.6	.170	56.7	.164	56.9	.143	57.8	.128	59.8	.145	56.5	.153	100.0	100.0
1916	56.7	.205	55.7	.201	56.6	.164	57.2	.149	58.5	.174	55.6	.188	98.6	120.6
1918	56.2	.301	55.4	.285	54.3	.248	56.1	.233	58.2	.265	55.0	.277	97.0	179.9
1920	51.8	.573	50.3	.528	50.7	.475	51.8	.427	54.2	.533	50.2	.486	89.7	323.5
1922	52.6	.389	51.6	.380	53.4	.292	52.6	.301	54.1	.358	51.0	.369	91.5	222.4
1924	52.8	.449	51.8	.429	53.2	.369	53.1	.319	54.3	.394	51.2	.411	91.8	250.7
1926	53.2	.396	51.9	.375	55.1	.289	53.5	.282	55.1	.343	51.0	.368	92.3	221.0
1928	53.4	.392	52.2	.371	57.8	.339	52.9	.276	55.1	.345	51.2	.359	92.5	218.3
	Men's clothing													
	Cutters, cloth, male		Pressers, coat, male		Operators, coat, male		Operators, coat, female		Hand sewers, coat, female		Basters, coat, male		General index[1]	
1911	49.9	0.406	55.1	0.240	55.9	0.264	54.2	0.195	54.8	0.155	55.3	0.220	104.6	86.7
1913	49.0	.433	52.3	.291	52.5	.305	52.1	.199	52.1	.179	52.5	.267	100.0	100.0
1919	47.7	.628	47.8	.541	47.6	.591	48.1	.361	47.8	.334	47.5	.511	92.6	173.5
1922	44.0	1.033	44.1	.869	44.1	.962	43.9	.593	44.2	.526	44.3	.848	85.3	283.7
1924	44.2	1.111	44.2	.934	44.1	1.033	43.6	.614	44.1	.555	44.4	.889	85.3	295.8
1926	44.2	1.123	44.3	.933	44.1	1.034	44.4	.638	44.4	.545	44.3	.925	85.7	291.2
1928	43.8	1.129	44.0	.912	44.2	1.016	43.3	.632	43.9	.527	44.2	.905	85.1	284.4
	Woolen and worsted goods													
	Weavers, male		Weavers, female		Spinners, mule, male		Spinners, frame, female		Burlers, female		Laborers, dyehouse, male		General index[1]	
1910	57.1	0.207	56.3	0.180	57.0	0.224	56.0	0.122	56.5	0.130	56.3	0.143	101.3	90.4
1913	56.3	.232	56.0	.197	56.5	.239	55.5	.140	55.6	.146	55.6	.159	100.0	100.0
1916	54.9	.304	54.5	.271	55.3	.316	53.9	.180	54.6	.185	55.0	.197	97.8	126.7
1918	54.5	.470	54.1	.406	54.9	.499	52.4	.278	54.1	.276	54.7	.304	97.0	192.6
1920	48.3	.807	48.3	.747	48.2	.816	48.2	.481	48.4	.452	48.3	.564	86.2	353.7
1922	48.3	.616	48.4	.576	49.2	.670	48.4	.345	48.2	.371	48.9	.435	87.1	267.0
1924	48.8	.701	48.9	.654	48.9	.755	48.9	.417	49.2	.420	49.2	.490	87.7	300.2
1926	48.9	.652	49.2	.600	49.7	.695	49.8	.362	49.3	.381	49.4	.445	88.0	276.5
1928	48.9	.658	48.8	.605	49.5	.684	49.7	.383	49.3	.383	49.1	.463	88.0	289.5
	Hosiery and underwear													
	Boarders, hosiery, male		Finishers, underwear, female		Knitters, web or tube underwear, male		Knitters, transfer, hosiery, female		Loopers, hosiery, female		Seamers, underwear, female		General index[1]	
1910	57.0	0.193	57.9	0.150	58.0	0.201	57.5	0.121	57.3	0.133	57.8	0.143	104.2	82.0
1913	55.8	.219	54.7	.184	55.4	.249	56.0	.149	56.0	.150	54.5	.176	100.0	100.0
1919	52.5	.450	51.9	.297	52.9	.407	53.0	.272	52.2	.296	51.3	.287	94.2	183.1
1922	51.3	.462	50.2	.327	51.8	.448	50.7	.293	50.8	.327	50.3	.325	91.9	213.0
1924	51.9	.531	49.8	.377	51.3	.528	50.8	.344	50.8	.384	50.3	.372	91.3	246.1
1926	53.4	.481	50.3	.358	52.0	.534	52.5	.298	52.4	.371	50.2	.374	92.4	266.6
1928	53.8	.521	50.2	.341	52.2	.490	53.1	.294	53.0	.385	50.2	.355	92.4	267.2

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.

No. 354.—Wages and Hours of Labor, Etc.—Continued

BOOTS AND SHOES

Year	Cutters, hand, male		Treers, male		Vampers, female		Bed-machine operators, male		Top stitchers, female		Lining makers, female		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1910	56.3	0.319	55.9	0.259	56.9	0.238	56.4	0.311	56.3	0.188	56.5	0.164	102.7	92.0
1913	54.5	.351	55.3	.282	54.7	.246	55.2	.330	54.6	.212	54.6	.190	100.0	100.0
1916	53.9	.375	54.9	.291	53.9	.254	55.0	.349	54.0	.220	53.9	.198	99.1	107.5
1918	52.0	.484	52.3	.403	51.7	.312	52.1	.500	51.6	.285	51.5	.241	94.9	139.7
1920	47.8	.829	48.3	.677	48.8	.506	48.7	.789	48.5	.448	48.6	.378	88.2	232.0
1922	48.3	.787	48.6	.577	49.0	.480	48.9	.668	48.8	.433	48.8	.362	88.4	207.9
1924	48.4	.838	48.8	.624	49.4	.519	49.1	.692	49.3	.462	49.3	.369	88.9	214.1
1926	48.9	.808	49.2	.611	49.1	.531	49.1	.700	49.3	.486	49.3	.413	88.9	219.1
1928	48.6	.824	49.2	.624	49.3	.505	49.2	.682	49.4	.451	49.2	.398	89.2	220.3

IRON AND STEEL

Blast furnaces

Year	Stockers		Larrymen		Blowers		Keepers		Keepers' helpers		Laborers		General index [1]	
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1913	78.0	0.192	82.3	0.217	82.2	0.332	82.0	0.235	82.2	0.186	72.5	0.171	100	100
1915	74.6	.188	78.6	.211	80.6	.336	79.4	.232	80.1	.182	71.3	.171	97	101
1917	77.4	.295	77.2	.327	77.8	.485	77.4	.344	77.6	.292	75.3	.281	(2)	(2)
1919	78.1	.465	80.4	.542	79.8	.755	80.6	.562	80.2	.480	77.9	.457	(2)	(2)
1920	75.5	.527	73.8	.586	73.2	.868	73.3	.635	74.5	.522	72.3	.474	94	279
1922	74.4	.352	75.1	.402	72.4	.678	75.3	.420	75.3	.349	67.7	.315	94	194
1924	60.5	.465	57.7	.548	58.3	.889	57.1	.579	58.6	.475	62.4	.401	78	254
1926	60.1	.465	57.9	.551	58.5	.902	57.4	.577	59.1	.471	62.4	.389	78	252
1929	62.6	.451	58.5	.552	58.7	.918	57.7	.579	59.5	.486	63.8	.373	79	258

Open-hearth furnaces

Year	Stockers		Charging-machine operators		Melters' helpers, first		Steel pourers		Ladle cranemen		Laborers		General index [1]	
1913	77.8	0.197	78.0	0.335	77.1	0.440	77.0	0.370	77.2	0.341	76.2	0.187	100	100
1915	77.3	.199	77.7	.330	75.5	.437	75.7	.356	76.0	.327	70.8	.186	97	104
1917	77.4	.296	77.1	.467	76.3	.586	76.0	.466	76.4	.466	74.4	.292	(2)	(2)
1919	75.7	.506	75.3	.753	74.9	.966	73.2	.796	75.6	.733	76.2	.468	(2)	(2)
1920	70.9	.573	67.2	.895	69.4	1.089	68.0	.929	68.3	.837	68.5	.525	90	283
1922	73.9	.379	72.2	.625	71.4	.775	70.4	.645	72.9	.588	67.9	.354	92	203
1924	58.2	.540	56.3	.863	55.5	1.064	56.5	.837	55.2	.832	59.0	.434	76	268
1926	57.8	.535	55.7	.951	55.3	1.170	55.6	.889	54.9	.900	59.2	.429	74	286
1929	57.9	.560	56.2	.958	55.9	1.247	56.3	.927	55.8	.941	60.5	.433	75	301

Bar mills

Year	Stockers		Rollers		Roughers		Finishers		Hotbed men		Laborers		General index [1]	
1913	60.2	0.216	59.3	0.985	59.8	0.436	59.6	0.350	60.3	0.217	62.5	0.169	100	100
1915	60.2	.198	59.4	.944	58.9	.438	59.8	.352	60.0	.216	62.9	.173	100	92
1919	63.7	.524	61.3	1.821	60.7	.933	61.6	.766	59.4	.545	66.1	.443	(2)	(2)
1920	61.5	.612	59.5	1.949	57.8	1.034	60.0	.866	58.8	.618	65.1	.506	100	248
1922	59.2	.420	58.4	1.416	57.3	.709	57.9	.638	58.3	.439	64.5	.316	100	169
1924	56.0	.502	53.9	1.577	54.7	.810	54.0	.749	53.8	.538	57.5	.392	90	203
1926	54.2	.519	53.2	1.699	53.2	.847	53.0	.848	53.0	.564	55.0	.411	89	205
1929	53.5	.530	55.0	1.822	55.8	.887	53.9	.952	54.5	.601	56.0	.399	90	217

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[2] Not available. Data were collected for a group of selected occupations only in 1917 and 1919.

No. 354.—Wages and Hours of Labor, Etc.—Continued

IRON AND STEEL—Continued

Year	Tin-plate mills													
	Rollers		Roughers		Doublers, hand		Heaters, level-handed		Tinners, hand		Assorters, female		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1913	42.7	1.139	42.7	0.533	42.7	0.740	42.7	0.595	43.6	0.433	53.7	0.163	100	100
1915	42.7	1.106	42.7	.562	42.7	.718	42.7	.611	43.3	.442	55.4	.162	109	103
1919	42.7	2.248	42.7	1.193	42.7	1.408	42.7	1.273	43.0	.977	48.5	.417	(2)	(2)
1920	42.7	2.542	42.7	1.363	42.7	1.655	42.7	1.465	42.9	1.114	46.9	.465	110	228
1922	42.7	1.701	42.7	.893	42.7	1.046	42.7	1.001	43.3	.795	43.3	.365	108	156
1924	42.7	2.099	42.7	1.150	42.7	1.243	42.7	1.229	43.4	.976	43.6	.422	106	191
1926	42.7	1.635	42.7	.902	42.7	.787	42.7	.917	43.5	.840	43.4	.384	104	169
1929	42.7	1.778	42.7	1.014	42.7	.912	42.7	.982	42.7	.907	46.1	.369	103	176

GENERAL INDEXES FOR OTHER BRANCHES—IRON AND STEEL

Year	Bessemer converters		Puddling mills		Blooming mills		Plate mills		Standard-rail mills		Sheet mills	
1913	100	100	(3)	(3)	100	100	100	100	100	100	100	100
1915	98	93	98	96	97	101	98	106	100	97	100	93
1920	100	238	101	270	92	249	98	263	86	249	96	215
1922	98	165	98	151	93	178	95	187	87	185	98	144
1924	75	220	105	220	75	231	82	220	81	226	96	167
1926	75	226	98	200	74	237	80	238	78	234	93	157
1929	77	226	95	209	75	251	83	251	79	247	93	164

FOUNDRIES[4]

Year	Core makers, males		Core makers, females		Laborers, males		Molders, hand, floor, males		Pattern makers, males		Employees in all occupations			
											Males		Females	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1923	51.4	0.690	49.2	0.431	53.5	0.428	51.2	0.729	51.1	0.750	52.4	0.560	49.3	0.404
1925	50.3	.734	48.6	.444	52.5	.481	50.4	.802	50.4	.804	51.5	.612	49.0	.427
1927	50.4	.755	48.4	.491	52.1	.491	49.9	.820	50.3	.830	51.1	.626	49.0	.459
1929	49.9	.744	49.1	.469	52.1	.490	50.0	.828	50.1	.833	51.0	.625	49.7	.451

MACHINE SHOPS[4]

Year	Assemblers, males		Fitters and bench hands, males		Laborers, males		Lathe hands and operators, engine, males		Machinists, males		Employees in all occupations			
											Males		Females	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1923	50.6	0.575	49.9	0.616	51.1	0.418	50.9	0.633	50.0	0.683	50.8	0.560	49.1	0.366
1925	49.6	.634	49.8	.643	50.6	.456	50.3	.663	49.9	.702	50.4	.604	49.3	.420
1927	50.1	.653	49.5	.662	50.4	.456	50.2	.695	49.5	.728	50.1	.629	48.9	.403
1929	50.1	.657	49.8	.677	50.5	.469	50.3	.717	49.8	.739	50.3	.641	49.3	.399

AUTOMOBILE[4]

Year	Assemblers, chassis, males		Assemblers, motor, males		Gear-cutter operators, males		Grinding-machine operators, males		Tool and die makers, males		Employees in all occupations			
											Males		Females	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1922	50.2	0.647	50.0	0.661	50.2	0.678	50.0	0.710	50.0	0.769	50.1	0.662	50.3	0.438
1925	49.9	.694	49.8	.747	50.6	.746	50.1	.765	50.2	.875	50.3	.729	50.1	.467
1928	49.0	.758	50.1	.762	49.5	.760	48.8	.792	48.8	.919	49.4	.756	50.3	.487

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[2] Not available. Data were collected for a group of selected occupations only in 1919.
[3] No data. [4] Data are available only for the years specified, see head note.

No. 354.—Wages and Hours of Labor, Etc.—Continued

LUMBER

Year	Doggers		Setters		Sawyers, head, band		Edgermen		Trimmer operators		Laborers		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910	(5)	(3)	(5)	(5)	61.2	0.543	61.2	0.255	61.0	0.209	61.3	0.166	100	97
1913	61.2	0.184	61.0	0.258	60.9	.557	61.0	.268	61.0	.217	61.1	.171	100	100
1915	61.3	.178	61.2	.239	61.0	.539	61.0	.252	61.1	.203	61.3	.157	100	91
1919	57.8	.358	57.0	.446	57.5	.768	57.5	.450	57.3	.405	57.1	.345	92	194
1921	58.1	.306	57.6	.412	57.8	.797	57.5	.437	57.0	.380	57.2	.285	94	166
1923	57.6	.343	57.0	.474	57.0	.883	57.1	.492	56.9	.430	57.5	.310	94	180
1925	58.2	.332	57.5	.458	57.7	.877	57.8	.468	57.7	.409	57.5	.309	94	178
1928	57.6	.335	56.5	.468	56.7	.887	56.7	.470	55.8	.429	56.9	.303	91	185

FURNITURE[4]

Year	Assemblers and cabinet makers		Carvers, hand		Carvers, machine		Machine, hands		Upholsterers		Veneerers		General index[1]	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910	58.0	0.228	56.1	0.313	(3)	(3)	58.7	0.212	55.0	0.297	58.8	0.200	101.4	98.6
1911	58.3	.230	56.2	.312	(3)	(3)	58.8	.211	55.8	.300	58.7	.206	101.7	98.2
1912	58.1	.223	56.3	.313	(3)	(3)	58.5	.211	56.4	.291	58.3	.213	101.4	97.3
1913	57.2	.227	55.2	.317	(3)	(3)	57.8	.217	56.2	.295	57.3	.217	100.0	100.0
1915	57.1	.235	55.5	.322	56.6	0.286	57.5	.223	55.3	.312	57.0	.218	99.5	103.2
1920	52.1	.560	48.6	.956	51.1	.765	52.4	.512	50.1	.724	52.5	.454	89.9	236.3

SLAUGHTERING AND MEAT PACKING

Year	Cattle killing												Hog killing	
	Headers, male		Leg breakers, male		Floormen or siders, male		Gutters and bung droppers, male		Splitters, male		Laborers, male		Stickers, male	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1917	(3)	0.384	(3)	0.318	(3)	0.563	(3)	0.319	(3)	0.591	(3)	0.238	(3)	0.357
1921	47.6	6.645	47.8	6.574	48.0	6.848	47.8	6.578	47.8	6.855	47.8	6.471	49.6	6.611
1923	52.1	.627	52.8	.529	52.6	.849	52.5	.554	52.5	.857	52.2	.436	53.0	.652
1925	50.0	.641	49.9	.558	49.9	.856	50.1	.575	50.0	.855	50.2	.442	51.8	.627
1927	49.0	.662	49.1	.556	49.2	.877	49.0	.587	49.1	.876	49.4	.451	50.3	.631
1920	48.6	.644	48.7	.580	48.7	.882	48.9	.598	48.7	.879	48.3	.466	50.0	.645

Year	Hog killing—Continued										All departments[7]			
	Scalders, male[8]		Shavers and scrapers, male		Gutters, bung droppers, and rippers-open, male		Splitters, male		Laborers, male[9]		All males		All females	
1917	(3)	0.295	(3)	0.290	(3)	0.337	(3)	0.364	(3)	0.237	(3)	0.271	(3)	0.178
1921	48.8	6.516	48.9	6.502	48.7	6.584	48.8	6.621	48.8	6.461	48.4	6.511	48.3	6.365
1923	52.1	.496	52.5	.497	52.4	.572	52.3	.627	52.2	.444	52.2	.499	52.8	.361
1925	51.9	.514	51.4	.523	51.9	.590	51.5	.635	51.7	.433	50.2	.507	49.4	.359
1927	50.5	.521	50.6	.535	50.4	.589	50.1	.630	51.0	.442	49.3	.520	49.1	.364
1929	50.2	.516	49.9	.528	50.0	.602	49.9	.654	49.8	.443	49.3	.525	49.5	.369

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[3] No data.
[4] Data are available only for years specified, see head note.
[5] Data for doggers and setters combined are shown as carriage men prior to 1911.
[6] Not including data for 1 establishment in which employees are paid biweekly.
[7] Includes cattle, hog, sheep, and calf killing, offal, hide, casing, cutting or fresh beef, cutting or fresh pork, lard and oleo oil, sausage, cured meat, canning, and maintenance and repair departments.
[8] Includes tub men, droppers, gamb cutters, polemen, and duckers.
[9] Includes drivers, penners, steamers, singers, washers, aitchbone breakers, and toe pullers.

Source: Bureau of Labor Statistics, Department of Labor.

No. 355.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN THE PETROLEUM INDUSTRY, 1929

NOTE.—The four States shown accounted for about 85 per cent of the total petroleum production in the United States in 1928. The "general average," which covers all occupations of the industry indicated, including those not shown separately, is weighted according to the relative importance of the occupations

District	Oil wells													
	Derrick men		Drillers		Drillers' helpers and clean-outs' helpers		Engineers and pumpers		Firemen		Laborers, roustabouts, and connection men		General average	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*
California	48.0	0.991	48.0	1.369	48.0	0.888	48.0	0.812	48.0	0.769	48.0	0.734	48.0	0.917
Louisiana, northern	70.5	.511	75.6	.819	76.5	.438	71.3	.494	79.8	.468	67.3	.472	69.9	.522
Louisiana, southern	65.9	.562	68.2	.954	66.9	.496	72.2	.516	70.3	.521	63.6	.488	66.7	.572
Oklahoma	84.0	.602	74.5	1.080	66.5	.616	73.8	.454	78.0	.486	56.5	.522	62.6	.553
Texas, Gulf	60.4	.582	61.1	.969	59.2	.533	76.2	.479	69.8	.512	58.8	.519	62.5	.585
Texas, other	76.2	.505	80.3	.881	77.4	.501	81.5	.435	82.1	.479	65.0	.491	67.4	.535

District	Pipe lines													
	Engineers and pumpers		Firemen		Gaugers		Laborers, roustabouts, and connection men		Line walkers		Telegraph operators		General average	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
California	48.0	0.871	48.0	0.799	48.0	0.900	48.0	0.704	48.0	0.745	------	------	48.0	0.803
Louisiana [1]	57.4	.673	53.6	.630	59.5	.726	55.1	.437	57.4	.604	50.1	0.668	55.5	.612
Oklahoma	58.3	.694	51.1	.711	64.1	.698	55.4	.456	56.5	.613	48.4	.720	56.3	.590
Texas, Gulf	55.5	.666	55.4	.605	53.9	.694	55.5	.479	56.4	.632	50.1	.690	55.2	.577
Texas, other	57.1	.681	55.3	.629	61.5	.661	61.9	.493	69.8	.565	52.6	.666	60.4	.591

[1] Northern and southern Louisiana districts combined to avoid disclosing the identity of establishments.

Source: Bureau of Labor Statistics, Department of Labor.

No. 356.—WAGES PER HOUR IN THE COAL-MINING INDUSTRY

NOTE.—Practically all mines operate on a 48-hour week, but contract miners and their laborers in anthracite mines, and loaders, hand or pick miners, and machine miners in bituminous mines, generally work less hours. General averages are weighted according to relative importance of the different occupations. Data are not collected annually, but at intervals, and are available only for the years specified

Industry and occupation	1922	1924	Industry and occupation	1922	1924	1926	1929
Anthracite: [1]			**Bituminous:**				
Average wages (cents per hour)—			Average wages (cents per hour)—				
General average	79.5	85.7	General average [2]	85.3	78.8	76.3	65.9
Contract miners	117.3	143.2	Brakemen [1]	77.9	71.0	68.7	59.6
Laborers	82.9	97.1	Drivers [1]	82.4	74.8	70.8	63.7
Drivers	58.0	63.2	Loaders, hand [3]	90.2	81.1	77.9	64.8
Company miners	69.7	79.5	Miners, hand or pick [3]	84.0	80.8	78.3	67.3
Laborers	62.9	69.6	Miners, machine [3]	127.4	116.3	119.5	101.8
Trackmen	67.5	74.1	Trackmen [1]	82.6	73.7	70.5	63.5

[1] Based on hours actually worked, excluding lunch time.
[2] Based on a combination of hours at place of work in mine, including lunch time for loaders and miners, and hours actually worked for all other employees.
[3] Based on hours actually worked, plus lunch time.

Source: Bureau of Labor Statistics, Department of Labor.

No. 357.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN SUNDRY INDUSTRIES

NOTE.—The averages for wages are weighted according to the relative importance of the different occupations in the industry. Data are available only for the years specified

Year and industry	Hours, average		Wages, average	
	Males	Females	Males	Females
1923			*Cents*	*Cents*
Automobile tire	49.6	49.0	74.1	46.0
Paper and pulp mills:				
Pulp	52.8	49.7	46.9	33.4
Book paper	51.4	51.5	52.7	31.9
Newsprint	49.3	50.3	58.9	32.9
Wrapping paper	52.4	52.7	52.8	30.2
Writing paper	51.3	51.2	55.1	37.9
1924				
Metalliferous mines	53.0	-------	55.9	-------
1925				
Paper box board	54.3	53.9	51.8	28.3
Potteries:				
Semivitreous	(1)	(1)	70.5	38.5
Vitreous	(1)	(1)	63.8	32.9
1927			*Cents*	*Cents*
Aluminum, brass, and copper wares	52.2	52.3	57.9	35.5
Brass and copper sheet, rod, tube, wire and shape mills	53.8	54.7	55.6	34.8
Batteries and small motors:				
Dry cell	49.5	49.3	54.1	41.6
Storage	48.6	49.2	69.8	39.2
Motors (1 H. P. or less)	48.9	48.0	64.2	42.9
Radio manufacture:				
Receiving sets	48.5	48.3	59.0	38.4
Speakers	48.4	46.8	55.5	39.9
Tubes	48.9	48.5	60.2	40.7
Cotton compresses	56.2	[2] 55.9	31.6	[2] 13.2
Cottonseed-oil mills	70.9	(3)	24.0	(3)
Cotton gins	66.2	(3)	29.3	(3)

[1] The normal or customary hours of operation of the great majority of the potteries included in the study are 9 hours per day and 54 hours per week. Working hours in a pottery, however, are more nominal than normal, as so many employees are pieceworkers and to quite an extent determine their own time.
[2] All female workers were "Colored."
[3] No females employed in the plants covered.

Source: Bureau of Labor Statistics, Department of Labor.

No. 358.—WAGES OF COMMON LABOR IN ROAD BUILDING: CENTS PER HOUR

NOTE.—The current data beginning January, 1922, are compiled directly from Federal-aid project reports. Earlier data included reports on farm labor or other forms of common labor closely correlated, as reported to the Department of Agriculture and the Department of Labor

Year and month	United States, average	New England	Middle Atlantic	South Atlantic	East South Central	West South Central	East North Central	West North Central	Mountain	Pacific
Monthly average:										
1915	20	20	20	14	12	16	21	25	25	26
1916	23	25	24	16	13	17	24	28	29	28
1917	28	31	30	21	17	21	29	34	36	36
1918	36	39	38	27	23	28	39	45	44	45
1919	41	41	41	32	28	36	43	53	47	52
1920	49	49	50	37	32	40	53	62	55	60
1921	36	38	35	26	25	28	35	45	46	50
1922	32	39	37	21	20	24	31	31	37	48
1923	38	51	45	25	22	25	39	34	42	54
1924	38	50	45	28	24	27	40	36	41	52
1925	38	46	45	27	25	27	37	38	44	52
1926	39	50	46	30	25	27	38	36	43	52
1927	39	49	47	28	25	30	39	38	45	53
1928	40	50	44	26	26	28	39	38	46	53
1929	39	51	43	27	26	31	40	38	46	53
1928										
March	38	51	48	23	28	28	41	37	42	52
June	40	48	42	26	26	30	37	36	45	53
September	43	48	42	24	25	26	38	39	52	54
December	39	51	44	28	26	30	41	38	46	53
1929										
March	37	51	44	23	27	33	42	37	43	52
June	40	51	42	29	26	32	38	37	47	52
September	41	51	43	29	25	31	39	37	48	54
December	40	51	45	27	25	31	39	38	50	53

Source: Bureau of Public Roads, Department of Agriculture.

No. 359.—AVERAGE HOURLY ENTRANCE WAGE RATES PAID COMMON LABOR

NOTE.—**Rates in cents per hour.** Data are based on entrance rates paid unskilled adult males in important industries requiring considerable numbers of common laborers. Some establishments reported two rates—one for the 10-hour and one for the 8-hour day, or one for white and one for colored or Mexican workers; these distinctions have not been maintained in the tabulated data, although it is apparent that the lowest rates are shown for those geographic divisions where there are large numbers of colored or Mexican workers, and the highest, for localities where an 8-hour day is more or less prevalent

Industry and geographic division	1926				1927		1928		1929	
	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	July 1	Jan. 1	July 1	Jan. 1	July 1
Industries reporting	[1] 40.2	[1] 40.5	42.8	43.4	43.2	42.6	43.0	44.9	45.0	43.7
Automobiles	46.6	47.0	46.1	44.3	45.6	46.3	50.5	57.2	55.9	49.9
Brick, tile, and terra cotta	41.7	38.4	40.7	38.1	40.2	42.2	38.0	39.4	37.8	37.8
Cement	40.4	40.9	40.1	40.1	39.6	39.2	38.3	37.2	37.9	37.8
Electrical machinery, apparatus and supplies	41.5	41.5	43.1	45.2	43.0	44.2	44.9	46.0	45.7	45.9
Foundry and machine-shop products	36.7	38.8	37.1	38.9	38.7	37.8	38.1	38.4	39.4	39.8
Iron and steel	41.4	42.2	42.7	42.3	42.7	43.2	42.6	42.5	42.5	42.5
Leather	40.7	42.2	40.9	38.8	43.1	41.4	42.1	42.3	42.1	42.2
Lumber (sawmills)	30.6	32.4	33.6	33.4	33.4	32.2	31.0	31.7	30.8	32.0
Paper and pulp	40.5	42.6	42.8	42.6	43.8	42.5	44.2	44.3	43.1	44.0
Petroleum refining	49.1	46.8	47.9	48.4	46.4	44.0	44.5	45.4	48.0	45.7
Slaughtering and meat packing	41.2	41.2	41.5	41.9	41.9	41.7	41.8	42.2	41.2	42.0
Public utilities [2]	40.6	41.4	42.0	41.7	39.4	39.8	41.2	42.9	41.9	42.8
General contracting [3]	(4)	(4)	47.1	49.5	49.8	48.2	48.2	47.4	48.6	48.3
United States	[1] 40.2	[1] 40.5	42.8	43.4	43.2	42.6	43.0	44.9	45.0	43.7
New England	41.7	43.1	47.1	47.8	47.4	46.7	47.3	48.2	46.4	48.0
Middle Atlantic	42.6	42.7	45.1	46.9	46.8	47.2	48.7	47.8	47.6	46.4
East North Central	45.0	44.0	48.0	47.5	47.6	46.7	47.4	51.6	52.2	48.4
West North Central	39.4	39.0	40.1	40.6	41.0	40.6	41.1	41.3	41.0	41.8
South Atlantic	33.8	32.0	32.8	33.2	33.0	31.5	29.4	29.4	29.2	30.2
East South Central	26.3	27.1	27.6	27.4	27.0	27.0	26.7	26.0	26.3	26.8
West South Central	29.6	27.3	32.5	30.7	32.4	31.8	30.9	33.8	32.9	35.6
Mountain	40.3	44.9	44.4	44.8	46.3	44.4	43.7	44.0	45.1	44.9
Pacific	45.6	45.1	45.9	46.5	46.2	46.5	46.6	46.9	48.4	47.9

[1] Excludes data for "General contracting."
[2] Includes street railways, gas works, waterworks, and electric power and light plants.
[3] Includes building, highway, public works, railroad construction.
[4] Data not available.

Source: Bureau of Labor Statistics, Department of Labor.

No. 360.—FEDERAL RESERVE BOARD INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES: REVISED SERIES

NOTE.—**Monthly average, 1923–1925=100.** Indexes are corrected for trend shown by biennial census data and are somewhat more comprehensive than those shown by the Department of Labor (Table 361). They are without seasonal adjustment. For details see Federal Reserve Board Bulletin for November, 1929, pages 706–716

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
EMPLOYMENT													
1920	114.0	113.1	115.2	113.9	111.7	110.9	108.4	108.6	107.1	103.5	97.5	90.3	107.9
1921	81.3	82.7	83.1	82.1	82.2	81.3	79.9	81.4	83.3	84.0	84.2	83.3	82.4
1922	82.6	84.4	85.6	85.4	87.6	89.5	87.0	90.3	93.6	96.5	98.5	100.0	90.1
1923	100.6	102.4	104.9	105.2	105.3	105.9	104.8	105.5	105.9	104.8	103.4	101.3	104.2
1924	99.9	101.1	101.4	99.7	96.3	93.5	90.5	91.8	94.3	95.1	94.6	95.9	96.2
1925	96.4	98.2	99.5	99.3	98.4	98.2	98.1	99.8	102.0	102.4	101.9	101.6	99.7
1926	100.8	101.9	102.6	101.9	100.9	100.7	99.3	101.1	103.5	103.2	101.2	100.0	101.4
1927	98.1	99.7	100.4	99.8	99.1	99.0	98.0	99.2	100.6	99.3	96.9	95.5	98.8
1928	94.2	95.7	96.6	96.0	95.7	96.2	95.7	98.3	100.3	100.2	98.8	98.1	97.2
1929	97.4	99.7	101.3	101.8	101.6	101.2	100.7	102.0	103.4	102.1	98.2	94.8	100.4
PAY ROLLS													
1920	117.3	115.9	124.2	121.6	123.3	125.2	120.3	123.0	121.1	117.2	108.4	99.6	118.1
1921	84.0	82.3	82.4	79.6	78.0	76.1	72.2	74.4	73.9	73.1	72.0	73.6	76.8
1922	69.7	72.7	74.8	73.8	77.2	80.4	77.6	82.4	86.5	89.4	93.1	95.6	81.1
1923	94.1	97.8	102.8	103.9	107.3	107.5	103.2	104.2	104.8	107.2	104.9	103.1	103.4
1924	98.4	103.6	103.8	101.4	96.8	91.7	85.1	88.9	92.3	95.2	93.5	97.6	95.7
1925	95.4	100.9	103.0	100.4	100.7	98.7	97.1	99.5	99.4	105.2	105.1	105.5	100.9
1926	101.2	105.6	107.4	105.3	103.8	103.8	99.3	103.6	105.0	108.3	104.6	103.8	104.3
1927	98.6	104.8	106.3	105.0	104.3	102.5	98.6	102.2	101.9	102.5	98.5	99.4	102.0
1928	95.7	101.1	102.5	100.3	100.8	100.9	98.3	102.5	104.2	107.5	103.6	104.2	101.8
1929	100.7	108.0	110.8	111.3	111.2	109.2	104.8	109.4	110.5	110.0	102.0	98.7	107.2

Source: Federal Reserve Board.

No. 361.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING INDUSTRIES

NOTE.—Monthly average 1926=100. Indexes are based on returns from 12,500 establishments in 54 principal industries shown in Table 365, employing approximately 3,500,000 persons. Returns cover one week, ending on or about the 15th, in each month. Indexes are weighted according to the relative importance of the industries included. See also Table 360

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
EMPLOYMENT													
1923	106.6	108.4	110.8	110.8	110.8	110.9	109.2	108.5	108.6	108.1	107.4	105.4	108.8
1924	103.8	105.1	104.9	102.8	98.8	95.6	92.3	92.5	94.3	95.6	95.5	97.3	98.2
1925	97.9	99.7	100.4	100.2	98.9	98.0	97.2	97.8	98.9	100.4	100.7	100.8	99.2
1926	100.4	101.5	102.0	101.0	99.8	99.3	97.7	98.7	100.3	100.7	99.5	98.9	100.0
1927	97.3	99.0	99.5	98.6	97.6	97.0	95.0	95.1	95.8	95.3	93.5	92.6	96.4
1928	91.6	93.0	93.7	93.3	93.0	93.1	92.2	93.6	95.0	95.9	95.4	95.5	93.8
1929	95.2	97.4	98.6	99.1	99.2	98.8	98.2	98.6	99.3	98.3	94.8	91.9	97.5
PAY ROLLS													
1923	95.8	99.4	104.7	105.7	109.4	109.3	104.3	103.7	104.4	106.8	105.4	103.2	104.3
1924	98.6	103.8	103.3	101.1	96.5	90.8	84.3	87.2	89.8	92.4	91.4	95.7	94.6
1925	93.9	99.3	100.8	98.3	98.5	95.7	93.5	95.4	94.4	100.4	100.4	101.6	97.7
1926	98.0	102.2	103.4	101.5	99.8	99.7	95.2	98.7	99.3	102.9	99.6	99.8	100.0
1927	94.9	100.6	102.0	100.8	99.8	97.4	93.0	95.0	94.1	95.2	91.6	93.2	96.5
1928	89.6	93.9	95.2	93.8	94.1	94.2	91.2	94.2	95.4	99.0	96.1	97.7	94.5
1929	94.5	101.8	103.9	104.6	104.8	102.8	98.2	102.1	102.6	102.3	95.1	92.0	100.4

Source: Bureau of Labor Statistics, Department of Labor.

No. 362.—MANUFACTURING ESTABLISHMENTS: AVERAGE PERCENTAGE OF FULL FORCE EMPLOYED AND OF FULL TIME ACTIVE, OPERATING ESTABLISHMENTS ONLY

NOTE.—Statistics cover the same industries as Table 361, but the reports are somewhat less complete, covering usually about 10,000 establishments. Data were not collected prior to March, 1924

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average percentage of normal full force employed:												
1924	------	------	82	80	77	76	75	77	79	81	81	81
1925	82	83	83	83	82	82	82	85	84	85	85	85
1926	85	87	87	87	86	85	86	87	88	88	87	87
1927	86	87	88	88	87	87	87	87	89	88	85	84
1928	84	85	86	86	87	87	87	87	90	90	89	89
1929	91	93	92	93	93	93	92	93	93	92	89	87
Average percentage of full time operated:												
1924	------	------	94	92	90	88	87	88	91	92	91	92
1925	92	93	93	92	92	92	92	94	93	94	94	94
1926	93	94	94	93	93	92	96	97	98	98	97	97
1927	96	97	97	97	97	96	97	97	97	97	96	96
1928	96	96	96	96	96	97	96	97	97	98	97	98
1929	97	98	98	98	98	98	97	98	98	98	97	96

Source: Bureau of Labor Statistics, Department of Labor.

No. 363.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: BY GEOGRAPHIC DIVISIONS

NOTE.—Monthly average 1926=100. Figures are unweighted relative numbers. As to scope of reports on which indexes are based see head note Table 361

Year and month	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
	Employment								
1925									
March	104.4	101.5	96.7	100.2	97.7	102.6	99.9	96.6	93.8
June	99.2	98.5	97.0	100.1	94.0	100.0	96.1	105.2	102.1
September	97.8	99.0	99.7	102.0	95.8	102.1	98.9	102.4	103.0
December	101.7	102.2	101.2	101.0	100.7	104.3	100.2	104.3	97.2
1926									
March	104.4	102.1	103.6	99.0	102.1	102.8	98.8	95.6	96.5
June	98.4	99.2	99.9	100.1	98.1	98.6	100.5	103.1	102.5
September	99.1	99.7	100.9	102.0	100.6	98.7	101.2	103.4	101.8
December	99.5	98.9	94.1	98.2	101.4	97.2	99.8	100.4	97.8

No. 363.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: BY GEOGRAPHIC DIVISIONS—Continued

Year and month	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
	Employment—Continued								
1927									
March	99.4	97.8	99.0	96.6	102.9	95.4	97.4	93.0	97.0
June	95.3	94.0	97.7	99.5	100.9	93.0	94.9	99.0	101.7
September	95.5	93.6	94.5	98.9	101.8	92.6	95.3	98.2	100.7
December	92.0	90.6	91.5	93.3	99.9	92.0	90.8	93.4	94.6
1928									
January	91.4	88.7	93.3	92.6	98.2	90.9	89.2	88.5	90.4
February	92.1	89.2	97.8	95.5	98.5	92.0	89.4	89.2	91.1
March	90.9	89.4	100.1	96.0	100.0	91.8	89.6	90.0	93.8
April	89.4	88.4	100.4	95.5	98.4	92.0	89.3	91.2	97.1
May	86.8	88.2	102.4	96.2	96.6	90.4	88.8	94.1	98.6
June	85.8	88.3	102.7	98.7	96.5	90.0	89.0	97.2	99.3
July	85.8	87.4	102.1	97.4	94.2	86.8	90.0	97.9	97.8
August	86.0	87.9	105.8	97.2	96.8	89.9	90.9	97.0	99.7
September	88.0	89.4	107.5	97.1	98.2	90.8	92.1	97.6	101.5
October	90.7	91.0	107.5	97.6	98.7	90.3	91.9	98.0	100.4
November	91.3	91.1	104.1	95.9	99.7	91.3	92.3	97.0	97.9
December	91.6	91.1	104.2	96.1	99.0	91.3	90.2	95.3	95.5
1929									
January	91.1	90.9	107.0	95.9	98.0	92.1	88.4	92.6	92.7
February	92.2	93.1	111.8	97.9	100.1	92.3	89.6	89.0	92.0
March	92.8	94.0	113.4	97.3	101.6	93.1	93.0	92.2	94.3
April	92.6	94.2	114.2	97.9	101.5	93.5	94.1	94.3	98.2
May	92.2	94.7	114.9	98.9	100.2	90.7	93.3	97.7	100.9
June	91.3	95.3	112.3	100.6	100.3	91.8	93.2	101.7	101.2
July	91.0	95.4	111.2	100.6	98.8	92.0	95.7	100.5	101.8
August	90.8	96.0	110.9	101.4	99.9	93.3	97.3	103.1	102.2
September	92.5	96.5	110.7	101.9	100.2	93.9	99.8	100.3	100.8
October	92.8	96.3	107.0	100.7	100.2	94.0	99.6	98.5	99.9
November	89.8	94.2	98.0	98.0	99.4	91.9	97.8	98.6	96.9
December	87.2	91.3	93.8	94.8	97.2	88.1	93.4	94.4	92.8
	Pay-roll totals								
1925									
March	105.2	101.3	98.3	99.6	97.6	102.0	101.1	98.6	95.8
June	96.3	95.1	97.0	99.8	91.2	97.6	94.1	105.0	102.3
September	93.4	93.8	96.3	98.6	90.9	97.8	95.1	98.3	99.9
December	103.0	102.4	104.3	100.6	102.4	106.4	101.5	102.3	98.4
1926									
March	106.7	103.2	106.5	100.4	103.1	103.8	97.6	97.2	97.2
June	97.4	99.6	100.2	102.2	97.4	98.7	100.5	104.3	104.6
September	98.2	99.4	99.4	101.2	99.6	97.0	100.8	101.0	101.2
December	100.1	100.4	92.1	96.4	104.0	99.3	102.9	102.6	99.0
1927									
March	101.5	99.8	102.9	96.5	104.1	98.1	100.3	97.6	99.0
June	96.0	94.1	97.4	99.9	100.3	93.7	98.5	102.1	104.0
September	96.7	92.3	91.7	96.8	99.9	91.8	98.0	97.9	100.5
December	92.0	90.6	92.3	92.1	99.4	91.1	94.7	91.2	97.9
1928									
January	90.1	86.8	90.2	90.3	94.7	86.6	92.9	90.3	89.8
February	91.6	89.8	102.4	95.8	98.0	92.4	93.5	91.3	92.7
March	90.2	90.6	105.4	97.4	99.5	91.9	93.0	94.1	96.6
April	88.0	87.4	104.9	96.1	96.2	92.1	92.3	96.9	100.2
May	86.0	88.8	107.3	97.3	96.4	90.5	91.9	97.8	102.1
June	86.1	89.0	105.7	100.5	95.9	89.3	91.6	99.8	101.8
July	85.4	86.2	102.3	97.4	91.9	85.4	92.9	98.8	99.4
August	85.8	88.5	109.8	98.2	95.7	89.0	95.1	98.7	101.5
September	90.5	89.8	109.7	97.0	97.1	88.3	95.4	100.1	101.6
October	92.9	93.4	114.8	99.5	100.7	89.9	97.6	102.6	102.4
November	91.6	92.1	107.2	92.2	100.7	90.2	96.3	100.9	98.7
December	95.3	93.5	106.7	94.9	100.9	93.0	95.3	98.7	96.6
1929									
January	92.4	91.1	104.5	94.1	96.3	88.8	91.4	95.2	90.9
February	96.0	95.8	120.0	98.4	102.3	92.7	93.5	95.0	93.3
March	97.4	97.9	121.8	99.3	104.3	93.1	100.5	98.4	96.3
April	96.6	98.2	123.7	100.6	105.1	94.9	101.9	101.2	101.5
May	95.7	98.7	123.9	102.4	104.2	92.1	101.4	104.4	105.5
June	95.0	98.8	117.6	103.1	103.1	92.0	99.9	106.2	104.2
July	93.8	96.2	107.0	102.1	98.7	90.9	102.4	106.2	102.7
August	93.9	98.7	115.5	104.3	101.6	94.3	104.8	104.3	102.7
September	96.7	99.6	113.1	104.5	102.1	94.8	109.9	105.1	102.5
October	96.1	100.2	110.0	103.2	103.7	95.6	112.1	105.3	103.1
November	88.4	95.9	95.6	97.8	101.3	89.8	105.1	103.6	98.6
December	86.8	93.5	89.8	94.7	99.4	87.3	102.4	102.3	96.0

Source: Bureau of Labor Statistics, Department of Labor.

No. 364.—EMPLOYMENT AND PAY-ROLL INDEXES IN MAJOR GROUPS OF MANUFACTURING INDUSTRIES

NOTE.—Monthly average 1926=100. Combined index for each group is weighted according to relative importance of industries covered. See also headnote Table 361.

Yearly average and month	Food products		Textile products		Iron and steel products		Other metal products		Lumber and products		Leather and products	
	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll
1924 average	108.4	104.4	102.4	101.0	93.8	89.1	95.1	93.0	104.4	99.6	100.3	100.6
March	107.7	105.1	111.5	112.8	102.8	102.4	104.2	106.9	106.6	103.2	107.4	109.5
June	104.9	104.2	98.4	91.9	92.5	84.5	93.6	88.0	104.2	101.2	91.9	90.1
September	108.1	106.2	97.2	97.2	86.8	79.3	87.2	84.9	102.9	97.9	100.3	103.9
December	106.5	106.7	103.0	105.1	91.8	91.0	95.8	97.0	102.1	99.0	100.6	100.6
1925 average	101.2	99.9	103.7	104.2	95.0	93.3	99.2	99.4	102.5	100.4	101.9	101.8
March	100.3	98.7	107.3	112.9	96.5	96.7	99.8	101.4	101.9	100.2	105.6	109.3
June	99.4	99.5	102.0	98.7	94.1	91.3	98.4	98.5	103.2	102.6	95.1	93.7
September	102.8	99.1	100.9	96.9	93.9	87.9	98.8	94.0	103.7	102.0	105.0	103.2
December	103.0	103.1	104.1	104.8	97.9	99.7	104.1	107.3	100.9	102.1	98.8	96.0
1926 average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
March	98.3	98.0	104.5	108.3	101.2	103.6	105.5	108.5	98.8	98.6	101.2	102.7
June	98.8	100.1	97.6	94.8	100.9	101.2	98.8	99.0	101.4	102.4	94.5	94.2
September	102.9	102.7	97.8	96.5	100.7	98.8	98.2	95.0	101.1	102.6	104.0	106.6
December	100.7	101.5	101.9	103.8	97.6	99.1	96.0	97.1	97.1	98.7	99.9	97.9
1927 average	99.4	100.0	101.3	103.0	93.2	91.9	92.9	91.6	91.9	93.1	97.9	97.4
March	97.1	97.0	104.2	109.4	98.2	100.6	97.0	99.4	91.3	92.7	101.4	102.5
June	101.0	102.8	99.9	100.3	94.5	94.4	93.0	92.9	92.5	94.9	94.4	94.0
September	102.6	102.2	100.9	103.1	91.3	87.1	91.2	87.3	93.7	95.9	101.1	103.6
December	100.1	100.9	100.6	102.3	86.6	85.2	88.2	88.4	87.9	90.1	91.8	87.1
1928 average	98.4	99.8	96.3	95.6	91.5	92.8	92.8	96.1	87.8	88.8	92.8	89.7
March	97.3	98.9	100.3	101.2	90.0	92.5	90.7	92.1	86.2	87.6	96.5	96.8
June	96.9	99.5	94.1	91.6	91.7	93.3	92.0	93.7	88.3	90.2	89.3	85.0
September	100.0	101.2	93.6	93.2	93.2	92.9	94.2	98.2	90.1	91.7	95.1	95.7
December	102.1	104.4	97.7	99.5	95.0	98.0	98.6	108.2	87.6	88.3	87.8	83.6
1929 average	99.4	101.7	97.0	97.2	98.9	102.6	97.6	102.8	87.9	88.9	92.8	89.9
March	97.4	98.6	99.9	104.3	99.2	105.2	101.9	112.3	86.2	86.8	91.8	88.2
June	98.9	102.7	97.3	97.3	101.7	106.8	98.9	104.6	89.8	90.7	88.5	86.8
September	102.1	105.3	97.1	97.8	100.7	104.2	96.2	100.6	91.4	94.9	98.4	100.7
December	100.3	102.8	93.5	90.7	93.2	92.7	88.7	87.4	81.2	81.2	89.1	81.4

Yearly average and month	Paper and printing		Chemicals and allied products		Stone, clay, and glass		Tobacco products		Vehicles		Miscellaneous products	
	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll
1924 average	96.7	91.7	93.1	91.0	97.0	95.2	109.8	108.9	97.2	94.3	90.7	89.0
March	97.7	93.5	104.2	99.6	99.4	98.9	111.4	111.7	105.2	104.0	98.9	97.4
June	95.9	90.6	86.0	87.0	99.7	99.6	107.7	108.8	93.5	90.9	87.6	84.5
September	96.3	90.8	89.4	87.4	95.3	91.7	110.9	110.1	92.3	87.9	84.9	82.9
December	98.2	95.2	91.7	90.3	94.6	94.3	112.5	116.9	93.6	92.8	90.1	88.7
1925 average	97.3	94.3	95.8	94.2	97.9	97.3	107.5	105.7	99.8	100.7	94.6	92.8
March	98.0	95.1	100.6	98.5	95.8	95.8	109.3	103.1	98.6	103.0	96.3	96.3
June	95.9	92.0	88.5	89.4	101.0	99.6	105.8	105.2	99.0	99.8	93.9	91.1
September	96.7	91.9	98.9	93.9	100.1	97.2	107.5	104.8	101.0	98.0	93.1	88.9
December	100.0	100.9	99.6	98.8	98.6	99.9	111.0	115.4	101.6	104.4	97.3	97.1
1926 average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
March	99.5	100.2	106.9	103.9	96.6	97.6	103.0	102.7	105.4	108.0	101.5	101.0
June	98.9	99.4	95.2	98.2	104.3	105.6	101.3	101.0	101.0	102.0	97.9	98.4
September	100.4	99.4	101.9	100.7	103.9	101.6	99.4	101.6	100.1	98.4	99.6	97.4
December	102.4	104.3	98.6	101.7	96.7	98.5	100.8	102.4	90.6	88.7	104.3	107.7
1927 average	100.1	101.2	96.6	99.1	94.5	94.2	98.1	97.1	90.8	91.6	99.5	100.9
March	100.8	102.4	106.7	108.1	95.1	96.6	97.5	93.6	94.6	98.4	105.9	109.3
June	98.8	99.6	91.8	98.2	99.3	99.2	98.8	100.1	93.3	92.5	102.0	102.9
September	99.8	100.2	95.3	96.8	95.3	93.4	102.6	104.2	89.6	87.9	94.4	91.5
December	101.7	104.9	91.9	96.5	89.1	89.0	98.7	100.2	85.0	87.1	93.4	97.9
1928 average	99.2	101.5	93.4	95.9	89.7	89.6	96.0	93.5	95.8	98.3	91.6	91.9
March	98.8	101.4	101.7	100.7	87.3	87.1	96.0	91.4	93.2	99.1	89.7	90.4
June	98.0	100.8	87.5	91.7	93.4	92.8	95.3	94.9	97.7	99.8	90.0	92.0
September	98.6	100.9	94.7	96.6	93.4	91.8	98.9	98.2	101.5	101.4	91.7	91.8
December	101.2	105.1	95.1	97.2	87.3	88.4	98.0	99.5	94.6	96.4	97.9	100.1
1929 average	101.3	106.0	99.4	102.3	86.6	85.3	93.6	92.8	99.8	105.2	110.7	112.3
March	100.1	106.4	103.2	102.5	84.0	83.3	94.2	89.2	106.9	117.2	107.4	112.6
June	100.2	105.2	94.4	99.9	90.7	90.8	93.5	93.6	103.1	109.8	115.3	118.5
September	102.9	107.7	101.6	105.2	90.5	89.6	95.9	98.6	99.9	104.8	114.7	115.1
December	103.8	109.4	98.8	103.0	79.6	78.7	91.4	94.0	83.7	84.1	106.2	108.1

Source: Bureau of Labor Statistics, Department of Labor.

No. 365.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: ANNUAL AVERAGES BY INDUSTRIES

NOTE.—Monthly average 1926=100. For general index of all industries and for group totals see Tables 361 and 364, respectively

Industry group and industry	Employment						Pay-roll totals					
	1924	1925	1926	1927	1928	1929	1924	1925	1926	1927	1928	1929
Food and kindred products:												
Slaughtering and meat packing	115.1	104.4	100.0	99.5	99.5	101.0	111.8	102.6	100.0	99.9	101.0	103.2
Confectionery	103.2	98.1	100.0	96.5	93.0	92.3	99.9	96.4	100.0	97.9	93.3	94.1
Ice cream	100.3	101.3	100.0	94.0	92.4	91.9	93.1	98.3	100.0	93.4	93.1	93.0
Flour	108.1	103.1	100.0	99.3	100.0	102.1	108.2	102.5	100.0	99.4	102.1	105.3
Baking	100.5	98.7	100.0	101.4	100.9	102.1	98.4	97.1	100.0	102.2	101.6	103.5
Sugar refining, cane	104.6	104.5	100.0	98.8	91.1	94.0	105.4	104.6	100.0	98.8	94.9	98.5
Textiles and products:												
Cotton goods	99.9	101.1	100.0	105.0	95.2	95.5	99.6	101.1	100.0	108.5	91.7	94.3
Hosiery and knit goods	92.6	100.2	100.0	99.0	94.7	98.1	82.9	96.4	100.0	102.2	97.3	104.3
Silk goods	94.1	103.1	100.0	98.4	96.9	98.0	88.6	102.7	100.0	99.2	100.2	100.9
Woolen and worsted goods	113.3	110.7	100.0	99.7	95.0	96.0	114.1	110.6	100.0	100.6	94.4	96.3
Carpets and rugs	98.1	100.7	100.0	102.5	101.0	106.8	95.2	101.2	100.0	104.1	95.9	101.4
Dyeing and finishing textiles	94.0	101.7	100.0	108.7	99.5	101.8	91.8	102.3	100.0	102.8	101.0	102.2
Clothing, men's	106.9	103.1	100.0	97.8	92.2	91.9	111.0	105.8	100.0	97.3	89.0	88.2
Shirts and collars	100.6	103.3	100.0	95.0	92.2	92.7	97.5	103.2	100.0	96.3	89.9	90.8
Clothing, women's	111.9	105.6	100.0	105.4	105.4	105.4	108.6	109.3	100.0	107.4	105.2	105.1
Millinery and lace goods	120.3	117.1	100.0	95.6	93.5	93.1	117.1	115.8	100.0	96.8	92.7	91.1
Iron and steel and products:												
Iron and steel	95.4	97.9	100.0	92.9	90.9	94.7	91.3	96.4	100.0	91.4	92.7	99.3
Cast-iron pipe	98.2	95.6	100.0	89.8	80.1	76.1	97.8	96.2	100.0	88.1	75.9	75.5
Structural ironwork	91.7	92.5	100.0	94.9	95.0	102.1	86.3	91.5	100.0	95.0	97.9	104.4
Foundry and machine-shop products	93.0	93.1	100.0	93.8	92.3	104.3	87.2	90.6	100.0	92.4	92.8	108.1
Hardware	104.2	103.6	100.0	92.2	88.9	91.9	95.7	98.4	100.0	90.9	88.4	93.7
Machine tools	82.0	85.8	100.0	92.8	100.8	129.8	74.9	83.4	100.0	92.2	107.5	139.8
Steam fittings and steam and hot-water heating apparatus	98.6	100.1	100.0	92.5	82.2	78.5	95.4	97.4	100.0	91.9	81.9	78.8
Stoves	100.3	97.8	100.0	91.2	87.6	90.8	101.0	97.8	100.0	90.4	84.7	87.3
Metal products:												
Stamped and enameled ware	94.7	99.0	100.0	88.9	88.8	90.4	93.2	100.2	100.0	90.6	90.4	91.1
Brass, bronze, and copper	95.2	99.2	100.0	94.5	94.4	101.1	92.9	99.1	100.0	92.0	98.0	107.4
Lumber and its products:												
Lumber, sawmills	108.0	103.6	100.0	91.0	86.7	85.9	102.8	101.7	100.0	92.4	88.0	86.9
Lumber, millwork	101.2	103.0	100.0	89.2	85.5	83.1	98.0	101.8	100.0	89.2	85.6	82.8
Furniture	95.2	99.1	100.0	96.1	92.5	95.9	90.7	95.6	100.0	98.2	93.2	97.0
Leather and its products:												
Leather	96.9	98.7	100.0	98.4	95.4	92.2	95.7	97.5	100.0	97.2	93.7	93.2
Boots and shoes	101.6	102.9	100.0	97.7	91.9	92.9	102.8	103.6	100.0	97.6	88.0	89.0
Paper and printing:												
Paper and pulp	98.6	98.7	100.0	97.5	94.4	95.5	94.4	96.8	100.0	96.6	94.9	98.2
Paper boxes	98.2	98.8	100.0	96.8	94.0	96.0	93.3	95.6	100.0	99.0	99.4	103.3
Printing, book and job	97.9	97.5	100.0	100.3	99.2	102.6	90.8	93.1	100.0	102.1	101.6	105.8
Printing, newspapers	93.1	95.4	100.0	103.4	105.2	108.3	89.7	93.0	100.0	104.6	107.4	112.8
Chemicals and allied products:												
Chemicals	96.2	97.3	100.0	100.0	99.3	103.2	92.5	94.3	100.0	103.7	103.3	107.1
Fertilizers	86.9	95.1	100.0	91.2	95.4	95.2	83.6	90.6	100.0	94.0	97.1	94.7
Petroleum refining	91.8	94.0	100.0	94.6	84.8	96.5	91.7	95.2	100.0	95.6	87.2	99.1
Stone, clay, and glass:												
Cement	108.9	105.3	100.0	95.8	87.7	81.1	107.9	104.9	100.0	96.5	88.3	81.0
Brick, tile, and terra cotta	97.4	98.9	100.0	94.3	84.9	80.5	98.5	99.1	100.0	94.1	82.8	76.9
Pottery	100.6	98.3	100.0	94.5	95.3	94.2	95.1	96.3	100.0	94.2	93.4	91.0
Glass	91.4	94.4	100.0	94.2	92.9	94.6	88.2	93.4	100.0	93.4	94.3	97.3
Tobacco products:												
Chewing and smoking tobacco and snuff	105.2	97.0	100.0	97.7	95.2	89.3	101.2	98.3	100.0	97.7	94.1	89.6
Cigars and cigarettes	110.4	109.0	100.0	98.1	96.0	94.2	109.9	106.7	100.0	97.0	93.4	93.2
Vehicles:												
Automobiles	87.0	99.0	100.0	91.2	111.3	116.9	83.8	102.4	100.0	90.3	114.4	118.7
Carriages and wagons	90.8	100.2	100.0	78.7	76.7	78.6	95.0	100.4	100.0	83.6	82.1	84.1
Car building and repairing—												
Electric-railroad	100.0	99.6	100.0	100.9	94.9	91.9	97.8	100.5	100.0	101.1	96.2	93.9
Steam-railroad	105.8	100.6	100.0	90.3	83.5	85.1	102.8	99.4	100.0	92.3	85.4	92.3
Miscellaneous:												
Agricultural implements	81.2	93.6	100.0	91.9	106.8	121.1	75.2	90.8	100.0	92.2	111.8	125.3
Electrical machinery, apparatus, and supplies	95.1	92.1	100.0	95.1	93.9	118.3	94.7	92.2	100.0	95.7	95.9	121.5
Pianos and organs	99.9	98.9	100.0	90.4	77.1	66.6	96.6	97.8	100.0	87.4	74.3	63.8
Rubber boots and shoes	82.7	97.1	100.0	108.3	101.1	97.6	76.6	97.7	100.0	107.7	101.0	99.3
Automobile tires	88.6	102.2	100.0	97.3	103.3	104.1	88.1	100.4	100.0	98.2	105.7	101.8
Shipbuilding	90.2	92.6	100.0	104.8	82.8	105.3	88.8	90.3	100.0	105.8	83.0	108.1

Source: Bureau of Labor Statistics, Department of Labor.

No. 366.—INDEXES OF FACTORY EMPLOYMENT IN SPECIFIED STATES

[Index numbers for all States relative to 1923 monthly average as 100, except Massachusetts and Illinois which are relative to an average of the years 1919–1923, and 1925–1927, respectively]

Year and month	Employees on pay roll						Amount of pay roll				
	Massachusetts [1]	New York [2]	New Jersey [3]	Pennsylvania [3]	Illinois [4]	Wisconsin [5]	New York [2]	New Jersey [3]	Pennsylvania [3]	Illinois [4]	Wisconsin [5]
Monthly average:											
1921	88.6	83.9	------	------	------	------	79.2	------	------	------	------
1922	93.7	90.3	------	------	[6] 101.9	------	83.1	------	------	[7] 96.7	------
1923	102.1	100.0	100.0	100.0	112.5	100.0	100.0	100.0	100.0	107.4	100.0
1924	90.2	91.2	90.4	88.0	103.1	95.1	92.7	90.0	86.2	95.3	97.1
1925	90.5	90.5	90.1	91.0	99.8	99.3	93.9	90.7	89.5	97.9	105.9
1926	92.1	90.7	95.6	92.0	103.1	99.5	96.6	101.2	93.4	104.2	106.8
1927	87.6	87.0	95.5	85.6	97.1	94.8	93.6	103.6	87.2	98.0	101.4
1928	78.1	83.5	92.1	80.7	95.3	94.2	90.3	100.7	82.8	95.2	102.4
1929	78.0	87.5	100.2	86.3	102.6	97.2	96.3	112.5	90.4	102.7	103.9
1924											
March	95.4	98.0	95.2	94.5	110.3	101.7	101.3	96.6	95.2	101.5	107.1
June	85.3	88.4	88.5	85.8	102.6	90.4	88.3	88.6	80.3	92.7	90.2
September	88.0	88.4	87.8	84.9	99.0	92.3	91.0	87.0	79.7	90.5	92.1
December	91.7	90.2	90.5	89.6	99.5	94.6	93.5	91.0	91.1	97.6	99.1
1925											
March	92.5	92.3	88.5	92.5	100.8	97.7	96.4	89.3	92.4	97.6	103.6
June	87.1	88.7	86.7	90.4	98.4	99.4	91.0	87.7	87.4	97.2	105.8
September	90.1	90.3	92.5	90.2	99.6	100.7	93.9	90.0	85.2	93.6	106.4
December	92.4	93.2	96.9	92.5	101.6	100.4	99.4	100.9	94.7	103.2	108.1
1926											
March	95.4	93.3	95.2	92.7	103.7	101.3	99.5	98.9	95.7	105.3	112.3
June	89.4	89.7	90.3	90.7	103.0	98.4	95.5	96.1	93.0	105.4	107.3
September	92.4	90.4	100.0	93.0	104.9	100.6	97.3	106.0	92.7	102.8	106.3
December	91.3	89.4	100.1	91.1	101.6	94.3	96.7	110.7	95.5	102.9	97.9
1927											
March	91.4	89.3	98.9	89.5	100.0	96.9	97.6	108.4	94.0	101.1	104.2
June	85.9	86.6	94.1	85.6	98.5	94.1	92.7	102.8	87.3	102.5	102.2
September	87.1	87.5	94.8	83.8	96.0	95.9	95.0	102.1	82.9	94.2	101.7
December	83.0	84.4	93.3	81.2	92.6	90.7	91.7	103.3	82.7	92.9	99.5
1928											
January	82.3	82.6	91.2	80.2	90.6	90.3	88.6	98.4	78.9	87.6	88.9
February	83.3	83.5	90.7	81.6	93.1	92.1	89.4	99.6	85.4	94.8	99.1
March	82.1	83.9	90.2	81.6	94.2	92.6	91.3	98.7	84.7	94.5	106.7
April	80.4	82.9	89.6	80.0	93.0	91.8	87.6	96.4	79.7	93.1	97.6
May	75.4	82.0	90.0	80.0	93.6	91.8	87.8	98.0	83.0	95.1	99.9
June	73.6	82.2	89.9	80.2	95.8	92.9	89.0	98.2	82.6	97.9	104.8
July	72.9	81.5	89.8	78.8	93.9	96.8	87.2	96.1	76.2	91.4	98.7
August	74.2	82.5	90.7	80.8	96.3	97.9	89.0	98.5	83.1	96.3	108.7
September	75.6	84.3	94.1	81.4	97.7	97.1	92.0	102.3	82.9	97.1	106.5
October	78.8	86.0	94.6	81.6	97.8	97.0	94.0	105.1	87.0	98.3	110.2
November	79.3	85.8	96.8	81.5	98.3	95.7	93.5	106.8	84.9	97.7	107.3
December	78.9	85.3	97.9	80.4	99.2	94.8	94.3	109.9	84.6	98.2	100.5
1929											
January	78.1	84.8	96.7	80.8	98.2	94.2	92.5	107.8	82.4	94.7	96.1
February	79.4	87.1	98.1	83.5	100.3	97.2	96.0	110.9	90.2	100.7	110.0
March	79.9	88.7	99.0	83.8	102.2	98.5	98.8	112.2	91.4	101.6	110.7
April	79.0	88.3	99.6	84.6	103.0	99.2	97.4	112.9	92.4	105.2	111.5
May	78.8	87.5	100.8	85.3	103.7	99.1	96.5	114.3	93.7	105.7	110.1
June	77.2	87.6	101.2	85.8	104.1	98.2	96.5	113.7	92.8	107.5	107.0
July	77.0	87.3	101.6	86.3	103.4	100.3	95.5	110.7	88.2	102.7	100.2
August	77.8	87.7	103.0	87.2	105.1	99.2	96.8	115.0	93.3	106.0	105.3
September	79.8	89.3	104.0	87.6	105.8	97.7	99.9	116.0	91.2	105.0	99.2
October	79.6	89.7	103.3	86.8	103.8	98.1	99.1	117.7	93.4	105.8	106.0
November	76.1	87.6	100.0	93.1	102.7	94.7	95.0	112.4	89.8	101.3	100.4
December	73.2	84.2	94.8	90.9	99.3	90.1	91.9	106.6	85.7	96.3	89.7

[1] Compiled by the Massachusetts Department of Labor and Industries, Division of Statistics, from about 1,000 firms each month. Data are connected by the chain relative method.

[2] Compiled by the New York State Department of Labor from reports of 1,648 firms employing more than one-third of the factory workers of the State.

[3] Compiled by the Federal Reserve Bank of Philadelphia from reports of about 1,000 plants each month in the States of New Jersey, Pennsylvania, and Delaware. Since August, 1926, figures for New Jersey are from the New Jersey Department of Labor.

[4] Compiled by the Illinois Department of Labor from reports of manufacturing establishments, based on the pay roll nearest the 15th of the month.

[5] Compiled by the Industrial Commission of Wisconsin, based on link relatives from reports of manufacturing firms.

[6] Index number represents 11 months' average; no data reported for June.

[7] Index number represents 6 months' average, July to December, inclusive.

Source: Department of Commerce, Survey of Current Business.

No. 367.—WEEKLY EARNINGS OF FACTORY LABOR IN SPECIFIED STATES

NOTE.—Index numbers for all States relative to 1923 monthly average as 100, except for Illinois which is relative to an average of the years 1925–1927. For original sources of data, numbers of firms reporting, etc., in each State, see notes 2 to 5, Table 366

Year and month	Average amount per week			Index numbers					
	New York	Illinois	Wisconsin	New York	New Jersey	Pennsylvania	Delaware	Illinois	Wisconsin
Monthly average:									
1920	$28.15		$28.58	103.3					116.5
1921	25.72		22.80	94.4					92.8
1922	25.04	[1] $24.70	21.66	91.9				[1] 80.1	90.0
1923	27.24	27.07	23.97	100.0	100.0	100.0	100.0	95.4	100.0
1924	27.68	27.55	24.40	101.6	99.6	97.1	100.5	97.1	101.5
1925	28.26	27.93	25.56	103.7	100.8	98.3	98.9	98.4	106.6
1926	29.02	28.67	25.67	106.5	106.1	101.2	101.3	101.0	107.1
1927	29.30	28.52	25.45	107.6	109.5	101.3	102.7	100.5	106.2
1928	29.44	28.56	25.87	108.1	110.0	102.0	102.4	100.2	108.6
1929	29.99	28.69	25.90	110.1	113.2	105.9	106.1	101.0	106.7
1927									
March	29.78	28.72	25.80	109.3	110.3	104.5	103.9	101.2	107.6
June	29.17	29.27	26.05	107.1	110.0	101.6	102.7	103.2	108.7
September	29.57	27.65	25.40	108.6	108.5	98.3	100.9	97.4	105.9
December	29.57	28.15	25.24	108.6	111.4	101.3	106.0	99.2	105.3
1928									
March	29.64	28.48	27.62	108.8	110.1	103.5	103.8	100.4	115.2
June	29.48	29.28	27.03	108.2	110.0	102.2	103.4	103.2	112.8
September	29.72	28.31	26.30	109.1	109.5	101.1	100.7	99.8	109.7
December	30.12	29.55	25.40	110.6	113.1	104.6	107.9	101.5	106.0
1929									
March	30.35	28.92	26.95	111.4	114.2	108.7	108.0	101.9	112.4
June	30.02	29.46	26.03	110.2	113.2	107.5	108.4	103.8	109.0
September	30.47	28.26	25.17	111.9	112.3	103.6	102.6	99.6	101.6
December	29.75	28.12	24.18	109.2	113.3	102.3	106.5	99.1	98.2

[1] Average of last 6 months of the year.

Source: Department of Commerce, Survey of Current Business.

No. 368.—AVERAGE WEEKLY AND HOURLY EARNINGS: ALL WAGE EARNERS AND CLASSIFIED GROUPS OF LABOR, 25 MANUFACTURING INDUSTRIES

[Indexes based on July, 1914=100]

Year	All wage earners		Male, unskilled		Male, skilled and semiskilled		Women	
	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number
WEEKLY EARNINGS								
1914 (July)	$12.54	100	$10.71	100	$14.16	100	$7.84	100
1920 [1]	29.52	235	27.11	253	33.31	235	18.27	233
1921	23.60	188	20.48	191	26.56	188	16.07	205
1922 [2]	24.04	192	20.53	192	27.43	194	16.00	204
1923	26.54	212	22.59	211	30.18	213	17.46	223
1924	26.28	210	22.97	215	30.01	212	16.72	213
1925	26.93	215	23.74	222	30.89	217	17.21	220
1926	27.16	217	23.97	224	31.23	221	17.24	220
1927	27.22	217	24.40	228	31.14	220	17.32	221
1928	27.41	218	24.85	232	31.71	224	17.15	219
1929	28.25	225	25.36	237	32.50	230	17.62	225
HOURLY EARNINGS								
1914 (July)	.245	100	.203	100	.280	100	.154	100
1920 [1]	.606	247	.547	269	.692	247	.421	274
1921	.523	214	.446	220	.594	212	.368	239
1922 [2]	.493	202	.409	201	.562	201	.355	231
1923	.540	221	.451	222	.616	220	.388	252
1924	.561	229	.473	233	.638	228	.391	254
1925	.558	228	.469	232	.641	230	.390	253
1926	.562	230	.477	235	.647	231	.398	258
1927	.570	233	.490	241	.652	233	.400	260
1928	.571	233	.494	243	.658	235	.398	258
1929	.580	237	.501	247	.668	239	.399	259

[1] Average of last 7 months. [2] Average of last 6 months.

Source: National Industrial Conference Board, Inc.

No. 369.—INDEX NUMBERS OF UNION WAGE RATES AND HOURS OF LABOR

NOTE.—Index numbers subsequent to 1924 cover only the occupations listed in Table 371; for previous years they included also the metal and millwork trades. See also headnote, Table 370

[Rates and hours for 1913=100.]

Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time	Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time
1907	89.7	102.6	91.5	1919	154.5	94.7	147.8
1908	91.0	102.1	92.5	1920	199.0	93.8	188.5
1909	91.9	101.9	93.3	1921	205.3	93.9	193.3
1910	94.4	101.1	95.2	1922	193.1	94.4	183.0
1911	96.0	100.7	96.5	1923	210.6	94.3	198.6
1912	97.6	100.3	97.7	1924	228.1	93.9	214.3
1913	100.0	100.0	100.0	1925	237.9	93.0	222.3
1914	101.9	99.6	101.6	1926	250.3	92.8	233.4
1915	102.8	99.4	102.3	1927	259.5	92.4	240.8
1916	107.2	98.8	106.2	1928	260.6	91.9	240.6
1917	114.2	98.4	112.4	1929	262.1	91.5	240.7
1918	132.7	97.0	129.6				

Source: Bureau of Labor Statistics, Department of Labor.

No. 370.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATES OF WAGES PER HOUR, BY OCCUPATIONS

NOTE.—Data cover the principal cities of the United States. The relative hours are percentages showing the change in the regular full-time working hours per week, account not being taken of loss of time from slack work or other causes nor of overtime work. The relative wages are percentages which indicate the change in wages per hour. The figures are based on the scale prevailing May 15 each year. For absolute hourly wage rates for the same and other occupations, see Table 371. Data for the metal and millwork trades for 1924 and earlier years may be found in the 1928 and previous issues of this publication

[Rates and hours for 1913=100]

Year	Bakers		Building trades									
			Bricklayers		Building laborers		Carpenters		Cement finishers		Cement finishers' helpers	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	109.1	85.8	100.6	96.7	100.0	94.5	100.7	95.1	102.1	94.2	100.1	93.2
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	96.0	142.2	98.9	115.4	97.7	137.4	98.5	126.1	96.2	120.2	99.5	123.6
1920	89.9	264.0	98.7	174.7	94.8	225.9	98.5	194.8	95.0	182.9	99.2	225.9
1921	90.3	278.7	98.7	172.7	94.7	227.7	98.4	197.8	95.0	188.4	99.2	226.2
1923	90.2	276.0	98.6	191.1	94.7	218.1	98.8	204.0	95.0	191.2	99.2	223.4
1924	90.1	283.5	98.6	202.2	94.4	242.4	98.8	218.3	95.0	211.4	99.2	248.3
1925	89.7	293.4	98.5	213.4	94.5	231.6	98.8	222.8	94.7	212.6	99.2	260.8
1926	90.5	277.2	98.5	226.4	94.7	254.9	98.8	238.4	94.7	226.9	99.2	288.0
1927	90.2	286.8	98.1	231.9	94.9	255.8	98.8	246.7	94.4	236.8	99.2	294.1
1928	89.6	285.9	98.0	233.9	94.8	257.0	98.2	247.5	93.8	234.6	99.2	281.9
1929	89.4	293.4	95.5	239.7	94.7	258.2	98.2	252.0	93.9	234.6	(1)	(1)

Year	Building trades—Continued											
	Engineers, portable and hoisting		Hod carriers		Inside wiremen		Lathers		Marble setters		Painters	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	------	------	101.2	97.2	100.8	95.9	------	------	100.5	92.5	101.3	92.6
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	96.8	123.8	98.6	136.6	97.3	127.0	99.0	119.1	99.5	107.9	97.7	129.4
1920	95.8	175.6	98.1	232.4	96.2	192.0	98.1	188.9	99.1	158.4	94.7	206.0
1921	96.3	178.2	98.0	237.8	96.2	201.9	98.1	192.1	99.2	160.6	94.7	212.8
1923	95.6	185.5	98.1	215.4	96.2	197.1	98.4	199.3	99.2	178.0	95.1	218.7
1924	95.6	197.2	98.0	224.9	96.2	220.5	98.2	215.1	99.2	186.1	95.0	230.5
1925	95.9	205.7	97.9	251.5	96.2	232.4	97.9	234.5	99.2	190.0	95.3	243.1
1926	96.1	217.2	98.0	273.8	96.1	244.6	97.6	240.6	99.2	212.3	94.9	257.5
1927	97.7	224.2	98.0	280.4	96.2	254.9	97.2	250.3	99.1	217.0	94.5	266.2
1928	96.6	233.5	98.0	280.7	95.7	257.2	96.7	251.0	99.1	218.0	92.0	270.8
1929	96.9	232.5	92.7	293.0	93.4	268.2	96.2	249.0	99.1	233.4	91.8	270.2

[1] Data not available.

No. 370.—Index Numbers of Union Hours of Labor per Week and Rates of Wages per Hour, by Occupations—Continued

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Building trades—Continued											
	Plasterers		Plasterers' laborers		Plumbers and gas fitters		Sheet-metal workers		Steam fitters		Stonemasons	
1910	100.6	96.6	100.6	96.4	101.1	90.9	101.7	91.0	101.3	91.9	100.8	94.7
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	98.0	113.5	99.0	129.3	98.2	117.5	98.2	130.6	97.4	120.6	99.6	120.4
1920	97.9	170.7	98.6	213.5	97.9	172.1	97.5	193.2	97.3	178.8	99.0	188.1
1921	97.5	180.5	98.3	219.1	97.8	181.1	97.1	202.3	97.0	171.3	99.2	193.0
1923	98.1	193.2	98.4	212.0	97.7	185.6	97.1	201.9	97.0	175.6	99.2	212.5
1924	98.2	216.1	98.3	227.8	97.7	202.4	97.1	221.7	97.0	201.5	98.9	225.2
1925	97.9	219.8	98.1	243.1	97.7	206.6	97.1	229.3	97.0	212.2	98.9	229.5
1926	95.1	236.1	94.9	257.2	97.7	222.7	97.1	244.8	96.9	229.7	99.1	253.1
1927	94.7	241.0	94.9	259.7	97.6	227.2	96.8	252.2	96.8	236.2	98.9	256.0
1928	93.9	241.6	95.1	264.1	97.5	232.1	91.5	247.4	96.8	239.5	98.8	259.3
1929	93.0	238.6	95.0	265.0	96.7	233.8	96.4	256.9	96.3	241.0	95.9	266.6
	Building trades—Cont.											
	Structural-iron workers		Tile layers		Chauffeurs		Teamsters and drivers		Longshoremen		Granite cutters	
1910	101.7	92.7	------	------	------	------	------	------	------	------	101.8	93.7
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	98.9	126.5	98.8	110.8	94.0	130.9	96.6	133.2	93.3	149.0	100.2	130.1
1920	98.7	179.4	98.2	162.6	87.2	200.1	90.4	215.4	76.7	233.5	100.2	189.5
1921	98.7	184.0	98.3	161.9	87.5	202.5	88.2	223.0	76.6	236.8	100.1	209.0
1923	98.8	178.4	98.4	174.0	88.6	197.7	89.3	224.9	81.8	209.2	99.8	212.7
1924	98.7	202.5	98.4	197.5	89.1	205.6	89.5	244.7	81.8	238.5	100.2	214.2
1925	98.8	204.5	98.4	202.3	87.7	223.5	88.2	254.3	77.5	239.9	100.2	216.8
1926	98.7	218.5	98.4	212.0	85.1	226.3	89.0	256.6	76.7	242.0	100.0	244.1
1927	98.7	235.5	98.3	221.9	83.8	242.1	88.3	269.1	75.7	236.7	100.2	242.6
1928	98.7	235.7	98.0	221.8	84.0	243.2	88.2	277.1	75.6	248.6	100.2	245.3
1929	98.2	236.0	97.8	224.2	82.7	244.2	87.5	279.8	75.7	250.1	100.0	249.8
	Printing and publishing: Book and job											
	Bookbinders		Compositors		Electrotypers		Machine operators		Press assistants and feeders		Pressmen, cylinder	
1910	100.3	95.1	100.1	94.1	100.8	91.5	100.3	93.9	100.2	92.4	100.0	95.4
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	100.0	121.6	100.0	118.6	99.6	119.1	100.1	112.5	100.0	128.8	100.0	117.2
1920	100.0	204.0	100.0	190.6	99.5	195.5	100.1	174.6	99.9	227.7	100.0	184.5
1921	94.7	220.1	94.3	219.6	96.5	223.1	93.9	200.6	94.2	245.8	94.5	205.5
1923	93.4	224.0	91.4	228.5	95.9	241.6	92.2	203.8	92.5	266.2	93.0	216.7
1924	93.1	233.9	91.7	238.5	95.7	250.6	91.8	212.9	92.7	263.8	93.1	223.1
1925	93.3	236.6	91.7	237.4	96.6	249.7	92.2	211.7	92.4	278.8	92.6	225.9
1926	93.2	240.8	91.7	242.1	96.6	252.2	92.0	215.2	92.3	281.9	92.4	230.5
1927	93.0	246.0	91.7	246.6	96.6	255.2	92.2	223.0	92.2	285.3	92.4	230.9
1928	93.6	244.8	91.7	250.1	96.6	257.1	92.0	224.6	92.2	287.0	92.3	232.7
1929	93.0	247.5	91.7	251.5	96.3	263.2	92.0	228.0	92.1	289.7	92.3	236.8
	Printing and publishing: Book and job—Con.		Printing and publishing: Newspaper									
	Pressmen, platen		Compositors, daywork		Machine operators, daywork		Machine tenders, (machinists), daywork		Pressmen, web presses, daywork		Stereotypers, daywork	
1910	99.8	94.9	100.4	92.7	100.5	94.8	------	------	100.3	95.5	100.5	92.1
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	100.0	120.4	99.6	110.0	99.3	110.1	99.7	108.1	99.9	113.1	99.8	109.4
1920	99.9	200.4	99.9	160.7	99.5	167.5	99.8	171.7	101.1	169.5	99.9	149.8
1921	94.7	231.7	99.5	174.9	99.2	175.5	99.8	178.5	100.6	184.1	98.1	173.9
1923	92.9	235.8	100.6	177.9	100.3	183.1	100.5	180.9	102.3	182.4	99.9	174.9
1924	93.1	242.9	99.7	189.0	99.1	193.4	99.9	191.5	100.5	199.4	99.8	180.4
1925	93.1	244.3	99.4	193.7	99.0	198.0	100.3	185.3	100.0	208.2	99.6	184.5
1926	92.3	255.8	99.3	196.7	98.9	201.6	100.2	185.2	100.3	212.2	99.6	188.1
1927	92.3	258.3	99.3	201.8	98.5	208.9	100.1	194.5	99.9	223.3	99.1	191.0
1928	92.5	253.9	98.9	206.6	98.2	213.8	100.0	198.4	99.9	224.9	99.5	191.0
1929	92.6	257.8	98.4	211.3	98.3	217.4	99.6	201.7	99.8	228.1	98.5	200.1

Source: Bureau of Labor Statistics, Department of Labor.

No. 371.—AVERAGE UNION RATES OF WAGES PER HOUR IN TRADES SPECIFIED, FOR THE UNITED STATES, AS OF MAY 15

NOTE.—Statistics cover the principal cities of the United States. For index numbers in the principal trades, based on these rates, see Table 370

Occupation	1923	1928	1929
	Dolls.	*Dolls.*	*Dolls.*
Grand average, all trades herein covered [1]	0.966	1.195	1.204
Bakers	.921	.954	.979
BUILDING TRADES			
Asbestos workers	1.005	1.317	1.378
Bricklayers	1.321	1.617	1.657
Sewer, tunnel, and caisson	1.534	2.059	1.917
Building laborers	.728	.858	.862
Carpenters	1.084	1.315	1.339
Millwrights	1.164	1.292	1.244
Parquetry-floor layers	1.262	1.342	1.375
Wharf and bridge	.994	1.304	1.293
Cement finishers	1.113	1.366	1.366
Cement finishers' helpers	.805	1.016	(2)
Composition roofers	.977	1.333	1.358
Composition roofers' helpers	.695	.803	.795
Elevator constructors	1.115	1.447	1.450
Elevator constructors' helpers	.806	1.052	1.043
Engineers, portable and hoisting	1.141	1.436	1.430
Glaziers	1.041	1.337	1.358
Hod carriers	.788	1.027	1.072
Inside wiremen	1.079	1.408	1.468
Fixture hangers	1.065	1.222	1.253
Lathers:			
Piecework	[3]7.720	[3]9.457	[3]9.717
Timework	1.188	1.496	1.484
Marble setters	1.188	1.455	1.558
Marble setters' helpers	.873	1.001	1.061
Mosaic and terrazzo workers	.978	1.351	1.417
Painters:			
Building	1.108	1.372	1.369
Fresco	1.125	1.235	1.258
Sign	1.330	1.568	1.583
Plasterers	1.306	1.632	1.612
Plasterers' laborers	.872	1.086	1.090
Plumbers and gas fitters	1.151	1.439	1.450
Plumbers' laborers	.879	.965	1.043
Sheet-metal workers	1.065	1.305	1.355
Ship carpenters	.935	.900	1.111
Slate and tile roofers	1.224	1.538	1.554
Steam and sprinkler fitters	1.052	1.435	1.444
Steam and sprinkler fitters' helpers	.751	.967	.954
Stonemasons	1.297	1.583	1.627
Structural-iron workers	1.109	1.465	1.467
Finishers	1.086	1.431	1.492
Finishers' helpers	.838	(2)	(2)
Tile layers	1.140	1.453	1.469
Tile layers' helpers	.798	.999	.984
Average building trades	1.068	1.330	1.352

Occupation	1923	1928	1929
PRINTING AND PUBLISHING: BOOK AND JOB			
	Dolls.	*Dolls.*	*Dolls.*
Bindery women	0.507	0.525	0.529
Bookbinders	.907	.991	1.002
Compositors	1.024	1.121	1.127
Electrotypers	1.158	1.232	1.261
Machine operators:			
Piecework	[4].150	(2)	[4].153
Timework	1.062	1.170	1.188
Machine tenders (machinists)	1.088	1.178	1.195
Machinist operators	1.028	1.069	1.125
Photo-engravers	1.043	1.312	1.331
Press assistants and feeders	.781	.842	.850
Pressmen:			
Cylinder	1.052	1.130	1.150
Platen	.859	.925	.939
Average, printing and publishing, book and job	.926	1.036	1.049
PRINTING AND PUBLISHING: NEWSPAPER			
Compositors:			
Daywork	1.013	1.176	1.203
Nightwork	1.151	1.311	1.326
Machine operators, daywork:			
Piecework	[4].139	[4].154	[4].138
Timework	1.031	1.204	1.224
Machine operators, nightwork:			
Piecework	[4].160	[4].154	[4].147
Timework	1.130	1.326	1.336
Machine tenders (machinists):			
Daywork	1.064	1.167	1.186
Nightwork	1.179	1.300	1.340
Machinist operators:			
Daywork	1.007	1.082	1.048
Nightwork	1.040	1.210	1.189
Photo-engravers:			
Daywork	1.085	1.337	1.346
Nightwork	1.289	1.577	1.596
Pressmen, web presses:			
Daywork	.871	1.074	1.089
Nightwork	.987	1.255	1.257
Stereotypers:			
Daywork	.922	1.007	1.055
Nightwork	1.082	1.142	1.201
Average, printing and publishing, newspaper	1.047	1.220	1.241
MISCELLANEOUS			
Chauffeurs	.574	.706	.709
Teamsters and drivers	.590	.727	.734
Longshoremen	.722	.858	.863
Granite cutters	1.089	1.256	1.279
Stonecutters	1.151	1.406	1.472
Laundry workers	.414	.447	.458
Linemen	.898	1.007	1.019

[1] Except piecework. [2] No data. [3] Per 1,000 laths. [4] Rate per 1,000 ems.

Source: Bureau of Labor Statistics, Department of Labor.