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TABLE I
MEMBERSHIP OF AMERICAN TRADE UNIONS, 1897*-1934

| | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| MINING, QUARRYING AND OIL | | | | | | | | | | | | | | | | | |
| Coal Hoisting Engineers | 7a | 10a | 8a | 9a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Mine Managers and Assistants | ... | ... | 4a | 4a | 4a | 4a | 4a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Mine, Mill and Smelter Workers | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Mine Workers, United | 1155a | 1980a | 1753a | 2472a | 2510a | 2650a | 2307a | 2607a | 2520a | 2652a | 2314a | 2563a | 2893a | 3777a | 3390a | 3116a | 3180a |
| Mineral Mine Workers | 5a | 4a | 3a | 7a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Miners, Western Federation of | 140 | 177 | 196 | 283 | 241 | 263 | 286 | 442 | 305 | 353 | 371 | 502a | 492a | 495a | 369a | 167a | 161a |
| Oil Field, Gas Well and Refinery Workers | 4a | 5a | 3a | 4a | 4a | 4a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Progressive Miners of America | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Quarry Workers | ... | ... | ... | 12a | 26a | 36a | 38a | 41a | 45a | 45a | 50a | 35a | 40a | 40a | 40a | 36a | 35a |
| Slate Workers | ... | ... | ... | 8a | 8a | 9a | 18a | 30a | 27a | 21a | 14a | 7a | 4a | 3a | 3a | 3a | ... |
| TOTAL, Mining, Quarrying and Oil | 1311 | 2176 | 1967 | 2799 | 2793 | 2966 | 2653 | 3120 | 2897 | 3071 | 2749 | 3107 | 3429 | 4315 | 3802 | 3322 | 3376 |
| BUILDING CONSTRUCTION | | | | | | | | | | | | | | | | | |
| Asbestos Workers | ... | ... | ... | ... | 7a | 3a | 5a | 5a | 8a | 6a | 5a | 8a | 8a | 8a | 10a | 10a | 10a |
| Bricklayers and Masons | 334 | 346 | 439 | 462 | 563 | 548 | 538 | 641 | 629 | 607 | 618 | 758 | 811 | 844 | 825 | 759 | 738 |
| Bridge, Structural and Ornamental Iron Workers | ... | 60a | 110c | 160a | 115a | 102a | 98a | 116a | 104a | 96a | 109a | 122a | 109a | 122a | 132a | 123a | 142a |
| Building Employees | ... | ... | ... | ... | 8a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Building Laborers | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Carpenters, Amalgamated | 20a | 26a | 32a | 45a | 50a | 48a | 43a | 58a | 81a | 73a | 71a | 78a | 91b | d | ... | ... | ... |
| Carpenters and Joiners, United | 684a | 871a | 1225a | 1672a | 1612a | 1612a | 1702a | 1743a | 1785a | 1896a | 2007a | 1941a | 1955a | 2188a | 2122a | 1940a | 2128a |
| Cement Workers | ... | ... | ... | 55a | 44a | 36a | 42a | 58a | 73a | 90a | 90a | 90a | 90a | 90a | 73a | 16a | ... |
| Compressed Air and Foundation Workers | ... | ... | ... | ... | 12a | 12a | 13a | 13a | 13a | 8a | 6a | 6a | 6a | 8a | 10a | 12a | 14a |
| Electrical Workers (A. F. of L.) | 48a | 73a | 115a | 163a | 210a | 210a | 210a | 302a | 321a | 138a | 160a | 189a | 196a | 227a | 308a | 362a | 362a |
| Electrical Workers | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 220b | 230b | ... | ... | ... |
| Elevator Constructors | ... | 9 | 12 | 21a | 22a | 22a | 22a | 23a | 25a | 20a | 21a | 21a | 23a | 26a | 27a | 27a | 28a |
| Hod Carriers, Building and Common Laborers | ... | ... | ... | 82a | 120a | 56a | 92a | 102a | 92a | 77a | 114a | 127a | 125a | 221a | 256a | 319a | 324a |
| Lathers, Wood, Wire and Metal | 6a | 14a | 23a | 33a | 39a | 36a | 44a | 55a | 54a | 51a | 58a | 58a | 59a | 65a | 67a | 60a | 60a |

APPENDIX TABLE I

Unless otherwise indicated the data contained in this table were obtained from the reports of the American Federation of Labor. *Figures in italics* were obtained from the proceedings of the union or by correspondence with the central offices of the union (00's omitted).

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 179a | 167a | 178a | 211a | 162a | 46a | 90a | 85a | 80a | 60a | 50a | 45a | 40a | 40a | 40a | 21a | 13a | 116a |
| 3520a | 4134a | 3938a | 3936a | 4257a | 3729a | 5157a | 4796a | 4272a | 3759a | 3877a | 3249a | 2622a | 2217a | 3013a | 3167a | 2978a | 4908a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | 45a | 209a | 248a | 61a | 25a | 22a | 12a | 7a | 10a | 10a | 16a | 11a | 9a | 4a | 184a | 397a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 | 350 | 350 |
| 35a | 31a | 30a | 30a | 30a | 30a | 24a | 29a | 30a | 30a | 30a | 30a | 30a | 30a | 30a | 26a | 21a | 20a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 3734 | 4332 | 4191 | 4386 | 4697 | 3866 | 5296 | 4932 | 4394 | 3856 | 3967 | 3334 | 2708 | 2298 | 3092 | 3568 | 3546 | 5791 |
| 10a | 16a | 18a | 22a | 26a | 20a | 20a | 22a | 24a | 25a | 26a | 27a | 29a | 33a | 41a | 20a | 20a | 25a |
| 785a | 716a | 652a | 736a | 819a | 852a | 700a | 700a | 700a | 700a | 837a | 900a | 900a | 900a | 900a | 567a | 458a | 458a |
| 160 | 186a | 241a | 277a | 224a | 151a | 146a | 177a | 163a | 191a | 213a | 207a | 204a | 209a | 175a | 120a | 100a | 160a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2472a | 3217a | 3460a | 3719a | 3550a | 3231a | 3150a | 3155a | 3170a | 3197a | 3220a | 3220a | 3220a | 3032a | 3020a | 2900a | 2058a | 2000a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 16a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 415a | 544a | 1312a | 1392a | 1420a | 1420a | 1420a | 1420a | 1420a | 1420a | 1420a | 1420a | 1420a | 1420a | 1420a | 1399a | 941a | 1315a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 29a | 29a | 30a | 31a | 38a | 38a | 52a | 81a | 81a | 95a | 102a | 102a | 102a | 102a | 102a | 102a | 102a | 102a |
| 324a | 367a | 400a | 420a | 460a | 460a | 475a | 490a | 615a | 665a | 770a | 753a | 917a | 960a | 980a | 900a | 521a | 442a |
| 60a | 60a | 60a | 59a | 80a | 80a | 80a | 101a | 112a | 127a | 131a | 127a | 125a | 125a | 100a | 82a | 81a | 81a |

EBB AND FLOW IN TRADE UNIONISM

TABLE I—Continued

| | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Marble, Slate and Stone Workers | | | | | | | | | | | | | | | | | |
| ... .. | 5a | 12a | 6a | 19a | 17a | 20a | 22a | 24a | 27a | 28a | 28a | 30a | 41a | 16a | 6a | | |
| Painters, Decorators and Paper Hangers | | | | | | | | | | | | | | | | | |
| 280a | 280a | 348a | 536a | 607a | 542a | 555a | 624a | 648a | 596a | 635a | 676a | 685a | 709a | 744a | 753a | 782a | |
| Plasterers and Cement Finishers, Operative | | | | | | | | | | | | | | | | | |
| 63 | 83c | 105 | 114c | 124 | 134c | 145 | 167 | 159 | 145a | 152a | 147a | 157a | 173a | 180a | 183a | 184a | |
| Plumbers and Steam Fitters | | | | | | | | | | | | | | | | | |
| 45a | 87a | 128a | 152a | 165a | 150a | 150a | 160a | 180a | 184a | 200a | 200a | 260a | 290a | 297a | 410a | 450a | |
| Roofers, Composition | | | | | | | | | | | | | | | | | |
| ... .. | 5 | 7 | 10 | 10a | 10a | 10a | 11a | 15a | 15a | 16a | 16a | 12a | 12a | | | | |
| Roofers, Slate and Tile | | | | | | | | | | | | | | | | | |
| ... .. | 5a | 7a | 6a | 5a | 6a | 6a | 5a | 5a | 5a | 5a | 5a | 6a | 6a | 6a | 6a | 6a | |
| Sheet Metal Workers | | | | | | | | | | | | | | | | | |
| 29a | 45a | 66a | 126a | 153a | 130a | 129a | 153a | 161a | 160a | 162a | 172a | 166a | 169a | 178a | 178a | 175a | |
| Steam and Hot Water Fitters | | | | | | | | | | | | | | | | | |
| 18a | 15a | 15a | 20 | 30 | 40 | 54a | 55a | 56a | 56a | 56a | 56a | ... | ... | ... | ... | ... | |
| Tile Layers | | | | | | | | | | | | | | | | | |
| 4a | 7a | 11a | 14a | 17a | 14a | 19a | 21a | 19a | 17a | 19a | 21a | 24a | 27a | 30a | 30a | 28a | |
| TOTAL, Building Construction | | | | | | | | | | | | | | | | | |
| 1531 | 1916 | 2634 | 3692 | 3916 | 3727 | 3893 | 4332 | 4446 | 4259 | 4590 | 4788 | 5091 | 5533 | 5420 | 5327 | 5529 | |
| METALS, MACHINERY AND SHIPBUILDING | | | | | | | | | | | | | | | | | |
| Automobile, Aircraft and Vehicle Workers | | | | | | | | | | | | | | | | | |
| ... .. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 130 | 172 |
| Blacksmiths, Drop Forgers and Helpers | | | | | | | | | | | | | | | | | |
| 15a | 35a | 43a | 70a | 105a | 100a | 82a | 93a | 100a | 100a | 100a | 100a | 93a | 90a | 96a | 85a | 97a | |
| Boilermakers, Iron Shipbuilders and Helpers | | | | | | | | | | | | | | | | | |
| 48a | 54a | 72a | 149a | 180a | 138a | 135a | 185a | 130a | 133a | 161a | 199a | 167a | 162a | 167a | 173a | 182a | |
| Carriage and Wagon Makers | | | | | | | | | | | | | | | | | |
| 13a | 25a | 31a | 49a | 55a | 32a | 31a | 31a | 15a | 15a | 11a | 20a | 27a | 29a | 35a | 38a | 40a | |
| Car Workers | | | | | | | | | | | | | | | | | |
| ... .. | 10a | 24a | 128a | 102a | 50a | 49a | 50a | 44a | 50a | 50a | 46a | 74 | 105b | 110b | ... | ... | |
| Chainmakers | | | | | | | | | | | | | | | | | |
| 2a | 4a | 6a | 6a | 6a | 6a | 6a | 6a | 6a | 3a | 2a | ... | ... | ... | ... | ... | ... | |
| Chandelier Workers | | | | | | | | | | | | | | | | | |
| ... .. |  |  |  |  |  |  |  |  |  |  |  |  |  | 3b | 4b | ... | ... |
| Coremakers | | | | | | | | | | | | | | | | | |
| 12a | 12a | 12a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Cutting Die Makers | | | | | | | | | | | | | | | | | |
| ... .. |  |  |  |  |  | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 2a |
| Diamond Workers | | | | | | | | | | | | | | | | | |
| ... .. |  |  |  |  |  |  |  |  |  |  | 3 | 3 | 3a | 3a | 3a | 3a | 3a |
| Draftsmen | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Engineers, Amalgamated | | | | | | | | | | | | | | | | | |
| 18a | 18a | 19a | 29 | 29 | 29 | 31 | 34 | 28 | 31 | 38 | 38 | 34b | 38 | 27b | 34 | 32 | |
| Electrical Industry Employees | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Foundry Employees | | | | | | | | | | | | | | | | | |
| ... .. |  |  |  | 10a | 10a | 10a | 10a | 7a | 5a | 7a | 5a | 5a | 5a | 6a | 6a | 8a | |
| Furnace Workers | | | | | | | | | | | | | | | | | |
| ... .. | 14a | 9a | 15a | 15a | 15a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Gold Beaters | | | | | | | | | | | | | | | | | |
| 4 | 4 | 3a | 3a | 3a | 3a | 3a | 5a | 5a | ... | ... | ... | ... | ... | ... | ... | ... | |
| Iron, Steel and Tin Workers | | | | | | | | | | | | | | | | | |
| 140a | 139a | 145a | 152a | 143a | 109a | 114a | 102a | 74a | 63a | 82a | 43a | 55a | 63a | 65a | 65a | 67a | |

APPENDIX TABLE I

TABLE I—*Continued*

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 10a | 10a | 10a | 12a | 12a | 17a | 23a | 30a | 32a | 42a | 49a | 56a | 64a | 77a | 77a | 77a | 62a | 55a |
| 852a | 845a | 827a | 1031a | 1133a | 978a | 928a | 1033a | 1076a | 1114a | 1129a | 1103a | 1081a | 1062a | 964a | 796a | 593a | 578a |
| 190a | 190a | 190a | 194a | 239a | 246a | 271a | 300a | 300a | 352a | 390a | 395a | 388a | 381a | 376a | 353a | 226a | 180a |
| 520a | 600a | 600a | 750a | 420a | 490a | 350a | 350a | 392a | 450a | 450a | 450a | 450a | 450a | 450a | 450a | 450a | 450a |
| 12a | 12a | 10a | 18a | 28a | 30a | 30a | 32a | 35a | 38a | 40a | 40a | 40a | 40a | 40a | 40a | 40a | 40a |
| 6a | 6a | 6a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 176a | 183a | 202a | 218a | 242a | 250a | 250a | 250a | 250a | 250a | 250a | 250a | 250a | 250a | 250a | 250a | 175a | 160a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 28a | 25a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 6065 | 7006 | 8018 | 8879 | 8691 | 8263 | 7895 | 8141 | 8970 | 8666 | 9027 | 9050 | 9190 | 9041 | 8895 | 8056 | 5827 | 6046 |
| 195 | 232 | 381 | 454 | d | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 120a | 183a | 283a | 483a | 500a | 367a | 50a | 50a | 50a | 50a | 50a | 50a | 50a | 50a | 50a | 50a | 50a | 50a |
| 312a | 555a | 849a | 1030a | 845a | 417a | 194a | 175a | 171a | 145a | 148a | 171a | 172a | 193a | 170a | 150a | 142a | 143a |
| 42a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2a | 2a | 2a | 2a | 3a | 3a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4a | 4a | 5a | 6a | 6a | 5a | 5a | 4a | 4a | 4a | 4a | 4a | 4a | 4a | 3a | 3a | 3a | 2a |
| ... | ... | 18a | 35a | 22a | 10a | 6a | 6a | 6a | 7a | 16a | 19a | 15a | 12a | 17a | 10a | 7a | 10a |
| 30 | 28 | 26 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 35 |
| 13a | 33a | 54a | 91a | 52a | 40a | 40a | 36a | 35a | 35a | 35a | 35a | 35a | 28a | 10a | 7a | 5a | 20a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 110a | 161a | 197a | 315a | 254a | 159a | 117a | 111a | 114a | 100a | 99a | 90a | 89a | 79a | 58a | 50a | 46a | 55a |

EBB AND FLOW IN TRADE UNIONISM

TABLE I—Continued

| | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| Jewelry Workers | | | | | | | | | | | | | | | | | |
| 9a | 9a | 10a | 24a | 24a | 7a | 4a | 6a | 4a | 3a | 4a | 3a | 2a | ... | ... | ... | ... | 53a |
| Machinists | | | | | | | | | | | | | | | | | |
| 225a | 325a | 355a | 488a | 557a | 485a | 500a | 560a | 621a | 484a | 569a | 671a | 598a | 710a | 754a | 719a | 1009a | |
| Marine and Shipbuilding Workers | | | | | | | | | | | | | | | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Master Mechanics of Navy Yards | | | | | | | | | | | | | | | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Metal Engravers | | | | | | | | | | | | | | | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Metal Mechanics | | | | | | | | | | | | | | | | | |
| 22a | 45a | 61a | 113a | 70a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Metal Polishers | | | | | | | | | | | | | | | | | |
| 50a | 56a | 84a | 128a | 128a | 103a | 109a | 100a | 100a | 100a | 100a | 100a | 100a | 100a | 100a | 100a | 110a | 115a |
| Metal Workers Brotherhood | | | | | | | | | | | | | | | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 9 | 13 | 14 | 14 | 15 | 17 | ... | ... |
| Metal Workers, United | | | | | | | | | | | | | | | | | |
| 10a | 21a | 43a | 87a | 96a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Molders | | | | | | | | | | | | | | | | | |
| 150a | 150a | 259a | 300a | 300a | 300a | 450a | 500a | 500a | 500a | 500a | 500a | 500a | 500a | 500a | 500a | 500a | 500a |
| Pattern Makers | | | | | | | | | | | | | | | | | |
| 22a | 23a | 23a | 29a | 37a | 36a | 40a | 50a | 55a | 50a | 52a | 56a | 60a | 65a | 67a | 65a | 65a | |
| Pocket Knife Grinders | | | | | | | | | | | | | | | | | |
| ... | ... | ... | ... | ... | 2a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 2a |
| Railway Carmen | | | | | | | | | | | | | | | | | |
| 30c | 49 | 121c | 193 | 177c | 160 | 243c | 326 | 251c | 175 | 228a | 269a | 287a | 280a | 287a | 293a | 308a | |
| Sawsmiths | | | | | | | | | | | | | | | | | |
| ... | ... | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 1a | 1a | 1a | 1a | 1a | 1a | |
| Shipwrights, Joiners and Caulkers | | | | | | | | | | | | | | | | | |
| ... | ... | ... | 26a | 34a | 24a | 20a | 19a | 16a | 16a | 9a | 9b | ... | ... | ... | ... | ... | |
| Stove Mounters | | | | | | | | | | | | | | | | | |
| 9a | 13a | 16a | 16a | 17a | 15a | 15a | 15a | 14a | 10a | 9a | 11a | 11a | 11a | 11a | 11a | 12a | |
| Table Knife Grinders | | | | | | | | | | | | | | | | | |
| 2a | 2a | 2a | 3a | 3a | 3a | 3a | 3a | 3a | 2a | 2a | ... | ... | ... | ... | ... | ... | |
| Tack Makers | | | | | | | | | | | | | | | | | |
| ... | ... | ... | 1a | 2a | 2a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Tin Plate Workers | | | | | | | | | | | | | | | | | |
| 21a | 20a | 21a | 18a | 16a | 14a | 14a | 14a | 14a | 15a | 8a | 3a | 3a | ... | ... | ... | ... | |
| Tube Workers | | | | | | | | | | | | | | | | | |
| ... | ... | 5a | 15a | 15a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Watch Case Engravers | | | | | | | | | | | | | | | | | |
| 5a | 5a | 4a | 4a | 3a | 3a | 2a | 2a | 2a | 2a | 2a | 2a | ... | ... | ... | ... | ... | |
| Watch Case Makers | | | | | | | | | | | | | | | | | |
| ... | 3a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Wire Weavers | | | | | | | | | | | | | | | | | |
| 2a | 2a | 2a | 3a | 3a | 3a | 3a | 3a | 3a | 3a | 4a | 4a | 3a | 3a | 3a | 3a | 3a | |
| TOTAL, Metals, Machinery and Shipbuilding | | | | | | | | | | | | | | | | | |
| 809 | 1038 | 1373 | 2052 | 2133 | 1655 | 1873 | 2123 | 2001 | 1778 | 1963 | 2103 | 2043 | 2189 | 2259 | 2242 | 2671 | |
| TEXTILES | | | | | | | | | | | | | | | | | |
| Cloth Weavers | | | | | | | | | | | | | | | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 50 | 50 | 50b | 60b | 50b | ... | ... | |
| Elastic Coring Weavers | | | | | | | | | | | | | | | | | |
| 3a | 2a | 2a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | |
| Lace Operatives | | | | | | | | | | | | | | | | | |
| 4a | 4a | 5a | 5a | 6a | 7a | 8a | 8a | 8a | 8a | 8a | 9a | 10a | 11a | 12a | 12a | 11a | |

APPENDIX TABLE I

TABLE I—Continued

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 43a | 48a | 51a | 81a | 70 | 70 | 22a | 12a | 8a | 7a | 6a | 9a | 8a | 8a | 8a | 8a | 8a | 49a |
| 1125a | 1436a | 2546a | 3308a | 2736a | 1809a | 764a | 717a | 714a | 714a | 723a | 745a | 770a | 780a | 776a | 707a | 750a | 900a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 | 75 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1a | 1a |
| ... | ... | ... | ... | ... | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 4a | 5a | 5a | 5a | 3a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 120a | 135a | 130a | 125a | 95a | 90a | 67a | 60a | 60a | 60a | 60a | 60a | 60a | 60a | 58a | 23a | 14a | 35a |
| ... | ... | ... | 150 | ... | ... | 60 | d | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 500a | 500a | 516a | 573a | 585a | 265a | 375a | 372a | 314a | 305a | 291a | 268a | 265a | 222a | 184a | 154a | 174a | 202a |
| 70a | 88a | 90a | 90a | 90a | 80a | 80a | 70a | 70a | 70a | 70a | 70a | 70a | 70a | 70a | 70a | 70a | 70a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 390a | 534a | 1004a | 1821a | 2000a | 1717a | 767a | 549a | 481a | 500a | 514a | 507a | 557a | 504a | 485a | 485a | 500a | 550a |
| 1a | 1a | 1a | 1a | 1a | 1a | 1a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 17a | 19a | 19a | 19a | 20a | 20a | 18a | 16a | 16a | 16a | 16a | 16a | 14a | 10a | 8a | 7a | 6a | 15a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 3a | 3a | 3a | 4a | 4a | 4a | 4a | 4a | 4a | 4a | 4a | 4a | 4a | 4a | 4a | 4a | 3a | 3a |
| 3097 | 3962 | 6175 | 8588 | 7283 | 5058 | 2571 | 2183 | 2048 | 2018 | 2037 | 2049 | 2114 | 2028 | 1906 | 1733 | 1796 | 2218 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | ... | ... | ... | ... | ... | ... | ... | ... |
| 12a | 12a | 9a | 9c | 16 | 16 | 17 | 15 | 15 | 12 | 12 | 13 | 13 | 13 | 11 | 11 | 11 | 11 |

EBB AND FLOW IN TRADE UNIONISM

TABLE I—Continued

| | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Loomfixers | 15 | 10 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 13 | 16 | 17 | 16 | ... | ... |
| Machine Textile Printers | ... | ... | ... | 4a | 4a | 4a | 4a | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | ... | ... |
| Mule Spinners | 24a | 27a | 26a | 25a | 25a | 22a | 22a | 22a | 22a | 22a | 22a | 22a | 22a | 22a | 22a | 22a | 22a |
| Silk Workers, Associated | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Textile Workers, Amalgamated | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Textile Workers, United | 34a | 27a | 106a | 150a | 105a | 100a | 100a | 114a | 129a | 100a | 100a | 100a | 109a | 162a | 180a | 189a | 255a |
| Wool Sorters and Graders | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16b | 14b | 14c | 14c | 14b | ... | ... |
| TOTAL, Textiles | 80 | 70 | 147 | 192 | 148 | 141 | 143 | 157 | 172 | 144 | 210 | 213 | 226 | 291 | 299 | 224 | 289 |
| LEATHER AND SHOES | | | | | | | | | | | | | | | | | |
| Boot and Shoe Cutters | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 | 15 | 15 | 7 | 7 | ... | ... |
| Boot and Shoe Workers | 47a | 88a | 146a | 297a | 320a | 320a | 321a | 320a | 320a | 320a | 325a | 327a | 333a | 343a | 381a | 356a | 390a |
| Fancy Leather Goods Workers | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Leather Workers, Amalgamated | ... | 3a | 22a | 36a | 25a | 10a | 10a | 10a | 8a | 8a | 8a | 6a | 6a | ... | ... | ... | ... |
| Leather Workers on Horse Goods | 21a | 32a | 42a | 48a | 46a | 40a | 40a | 40a | 40a | 40a | 37a | 26a | 20a | 19a | 18a | 18a | 18a |
| Leather Workers of America, United | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Leather Workers International, United | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Shoe and Allied Craftsmen, Brotherhood of | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Shoe Workers, American | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Shoe Workers, National | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Shoe Workers Protective | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 40 |
| Shoe Workers, United | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 45b | 89b | 152b | 144 | 140b | 120 | 150 |
| Shoe and Leather Workers, United | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Travelers Goods and Leather Novelty Workers | 3a | 3a | 5a | 16a | 15a | 13a | 9a | 7a | 5a | 5a | 6a | 8a | 9a | 9a | 9a | 9a | 10a |
| TOTAL, Leather and Shoes | 96 | 151 | 240 | 422 | 431 | 408 | 405 | 402 | 398 | 398 | 468 | 496 | 560 | 547 | 580 | 528 | 608 |
| CLOTHING | | | | | | | | | | | | | | | | | |
| Cloth Hat, Cap, and Millinery Workers | ... | ... | 20a | 25a | 29a | 26a | 21a | 23a | 13a | 15a | 21a | 22a | 28a | 38a | 36a | 30a | 63a |
| Clothing Workers, Amalgamated | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 380 | 480 |
| Fur Workers, International Association of | ... | ... | ... | 3a | 4a | 4a | 4a | 4a | 4a | 2a | 2a | ... | ... | ... | ... | ... | ... |

APPENDIX TABLE I

TABLE I—Continued

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 64a | 60a | 57a | 74a | 107a | 83a | 70a | 62a | 50a | 44a | 41a | 40a | 40a | 41a | 40a | 40a | 23a | 115a |
| 51a | 51a | 50a | 59a | 65a | 65a | 66a | 70a | 74a | 79a | 82a | 85a | 88a | 90a | 90a | 89a | 87a | 86a |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | d | ... | ... | ... | ... | ... | ... |
| 4a | 4a | 4a | 4a | 4a | 3a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 330a | 340a | 340a | 350a | 370a | 370a | 370a | 387a | 400a | 400a | 400a | 400a | 400a | 400a | 400a | 400a | 353a | 320a |
| 65a | 80a | 84a | 95a | 113a | 68a | 46a | 50a | 50a | 50a | 50a | 50a | 50a | 50a | 50a | 50a | 69a | 85a |
| 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a | 1a |
| ... | ... | 1a | 2a | 4a | 3a | 2a | 1a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 13a | 12a | 13a | 14a | 15a | 15a | 11a | 11a | 11a | 11a | 12a | 12a | 12a | 12a | 12a | 11a | 10a | 12a |
| 52a | 53a | 54a | 59a | 61a | 60a | 63a | 65a | 67a | 70a | 72a | 73a | 76a | 79a | 82a | 82a | 82a | 80a |
| 3a | 3a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 616a | 633a | 647a | 705a | 748a | 689a | 681a | 689a | 704a | 727a | 748a | 757a | 760a | 775a | 778a | 764a | 741a | 731a |
| ... | ... | ... | ... | ... | ... | 6a | 6a | 6a | 6a | 6a | 6a | 6a | 6a | 6a | 6a | 5a | 5a |
| 1372 | 1444 | 1480 | 1640 | 1816 | 1605 | 1509 | 1535 | 1557 | 1577 | 1617 | 1619 | 1625 | 1652 | 1655 | 1601 | 1531 | 1617 |
| 28a | 25a | 27a | 52a | 54a | 41a | 48a | 48a | 50a | 50a | 50a | 50a | 50a | 42a | 33a | 20a | 1a | 14a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 120a |
| 98a | 99a | 95a | 99a | 97a | 87a | 81a | 61a | 53a | 53a | 52a | 51a | 52a | 49a | 46a | 39a | 36a | 61a |
| 100a | 100a | 100a | 100a | 100a | 97a | 60a | 60a | 60a | 60a | 60a | 60a | 60a | 60a | 60a | 60a | 60a | 60a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 125a | 119a | 107a | 105a | 105a | 100a | 95a | 86a | 85a | 85a | 85a | 85a | 85a | 85a | 85a | 85a | 62a | 50a |
| 76a | 78a | 74a | 80a | 91a | 92a | 91a | 83a | 81a | 78a | 72a | 69a | 66a | 58a | 54a | 52a | 60a | 95a |
| 3a | 4a | 3a | 3a | 2a | 2a | 3a | 2a | 2a | 2a | 2a | 2a | 2a | 2a | 1a | 1a | 1a | 1a |
| 41a | 42a | 39a | 40a | 44a | 46a | 44a | 46a | 47a | 50a | 51a | 49a | 49a | 48a | 45a | 45a | 53a | 56a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | 12 | 12 | 12 | 12 | 12 | 12 | 12a | 7a | 7a | 7a | 7a | 9a |

EBB AND FLOW IN TRADE UNIONISM

TABLE I—Continued

| | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 |
|---|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Window Glass Cutters and Flatteners Association | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Window Glass Cutters and Flatteners Protective | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Window Glass Snappers | ... | ... | ... | 9a | 11a | 12a | 10a | 6a | 10 | 14 | 18b | 15c | 12b | 12b | 22b | ... | ... |
| Window Glass Workers, National | ... | ... | ... | ... | ... | 58 | 57a | 66a | 67c | 69c | 70b | 62b | 60b | 40b | 39b | 38 | 41 |
| TOTAL, Chemicals, Clay, Glass and Stone | 301 | 332 | 391 | 462 | 486 | 513 | 551 | 552 | 552 | 574 | 601 | 594 | 595 | 563 | 578 | 531 | 521 |
| FOOD, LIQUOR AND TOBACCO | | | | | | | | | | | | | | | | | |
| Bakery and Confectionery Workers | 45a | 64a | 102a | 154a | 162a | 120a | 106a | 110a | 105a | 107a | 127a | 138a | 146a | 151a | 157a | 158a | 175a |
| Brewery, Flour, Cereal and Soft Drink Workers | 183a | 235a | 291a | 300a | 305a | 340a | 360a | 400c | 425a | 452a | 454a | 533ac | 625a | 650ac | 676a | 520a | 496a |
| Butcher Workmen | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 | 20 | 20 | 23 | 20b | 18 | 17 |
| Cigar Makers | 371a | 377a | 412a | 443a | 468a | 456a | 454a | 480a | 471a | 515a | 514a | 500a | 485a | 485a | 485a | 394a | 377a |
| Flour and Cereal Mill Employees | ... | ... | ... | 21a | 21a | 9a | 7a | 7a | 8a | 8a | 3a | 3b | ... | ... | ... | ... | ... |
| Meat Cutters and Butcher Workmen | 32a | 55a | 84a | 253a | 344a | 62a | 50a | 53a | 63a | 63a | 54a | 31a | 40a | 54a | 62a | 61a | 73a |
| Stogie Makers | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 15 | 15 | 15 | 15b | 14 | ... | ... |
| Tobacco Workers | 60a | 43a | 41a | 52a | 56a | 54a | 55a | 51a | 46a | 43a | 41a | 40a | 37a | 36a | 37a | 39a | 34a |
| TOTAL, Food, Liquor and Tobacco | 691 | 774 | 930 | 1223 | 1356 | 1041 | 1032 | 1101 | 1118 | 1188 | 1228 | 1280 | 1368 | 1414 | 1451 | 1190 | 1172 |
| TRANSPORTATION AND COMMUNICATION | | | | | | | | | | | | | | | | | |
| Air Line Pilots | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| American Radio Telegraphists Association | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Colored Railway Trainmen | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Commercial Telegraphers | ... | ... | ... | 10a | 20a | 20a | 20a | 35a | 19a | 10a | 10a | 10a | 10a | 10a | 10a | 10a | 10a |
| Dining Car Conductors | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Locomotive Engineers | 356 | 380 | 415 | 464 | 500 | 536 | 569 | 622 | 629 | 637 | 674 | 699 | 719 | 739 | 738 | 737 | 729 |
| Locomotive Firemen and Enginemn | 360 | 390 | 433 | 435 | 544 | 550 | 570 | 617 | 665 | 652 | 692 | 768 | 853 | 911 | 868 | 831 | 936 |
| Longshoremen | 200a | 250a | 347a | 400a | 500a | 478a | 340a | 320a | 315a | 213a | 208a | 250a | 235a | 220a | 250a | 250a | 250a |
| Maintenance of Way Employees | 30 | 38c | 46a | 87a | 123a | 120a | 120a | 132a | 135a | 100a | 87a | 100a | 91a | 80a | 65a | 81a | 89a |
| Marine Engineers Beneficial Association | 60 | 69 | 78 | 87 | 97 | 95 | 96 | 101 | 109 | 109 | 100 | 100 | 95 | 92 | 91 | 91 | 93 |
| Masters, Mates and Pilots | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 60 | 60 | 60c | 60b | 50b | 45 | 40a |
| Mechanical Trackmen | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 3 | ... |

EBB AND FLOW IN TRADE UNIONISM

TABLE I—Continued

| | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pavers, Rammersmen, Flag Layers, Bridge and Stone Curb Setters | | | | | | 10a | 12a | 15a | 15a | 15a | 15a | 15a | 15a | 15a | 16a | 16a | 15a |
| Paving Cutters | | 1a | 2a | 9a | 12a | 13a | 15a | 18a | 20a | 26a | 32a | 32a | 35a | 35a | 35a | 35a | 33a |
| Pilots Association, Lake | | | | | | | 10a | | | | | | | | | | |
| Porters, Brakemen and Switchmen | | | | | | | | | | | | | | | | | |
| Railroad Freight Handlers | | | | 48a | 33a | 34a | 32a | 63a | 78a | 46a | 47a | 40a | 25a | 10a | 29a | | |
| Railroad Patrolmen | | | | | | | | | | | | | | | | | |
| Railroad Signalmen | | | | | | | | | | | | | | | | | |
| Railroad Station Agents | | | | | | | | | | | 12 | 8 | 10b | 8b | 7a | 8a | 9a |
| Railroad Stationmen | | | | | | | | | | | 6 | 5 | 5 | 5 | 11b | 35 | 35 |
| Railroad Station Employees | | | | | | | | | | | | | | | | | |
| Railroad Telegraphers | | | | | | | | | | | 22 | 26 | 28b | 35b | 43b | 134 | 187 |
| Railroad Trainmen | 432 | 468 | 550 | 682 | 745 | 785 | 869 | 1000 | 1007 | 1027 | 1139 | 1191 | 1243 | 1338 | 1261 | 1305 | 1432 |
| Railroad Yardmasters of North America | | | | | | | | | | | | | | | | | |
| Railway Clerks | 5a | 6a | 13 | 21 | 29 | 37 | 51 | 88 | 91 | 56a | 50a | 50a | 50a | 50a | 50a | 50a | 51a |
| Railway Clerks, International Association of | | | | 13a | 6a | | | | | | | | | | | | |
| Railway Conductors | 246 | 259 | 279 | 313 | 334 | 357 | 384 | 414 | 424 | 438 | 460 | 474 | 479 | 492 | 491 | 485 | 481 |
| Railway Employees of North America | | | | | | | | | | | | | | | | | |
| Railway Express Messengers | | | | | | | | | | | | | 2a | 1a | | | |
| Railway Expressmen | | | | 14a | 3a | | | | | | | | | | | | |
| Seamen | 42a | 82a | 99a | 139a | 201a | 195a | 194a | 248a | 255a | 168a | 160a | 160a | 160a | 160a | 160a | 160a | 217a |
| Sleeping Car Conductors | | | | | | | | | | | | | | | | | |
| Steam Shovel and Dredge Men | | | | | | | | | | | 13 | 14 | 16 | 18 | 18 | 27a | 20a |
| Street and Electric Railway Employees | 35a | 43a | 98a | 256a | 300a | 300a | 300a | 320a | 320a | 333a | 367a | 393a | 402a | 457a | 545a | 589a | 646a |
| Switchmen | | | | | | | 81a | 92a | 93a | 80a | 80a | 87a | 87a | 96a | 98a | 90a | 93a |
| Teamsters | 47a | 94a | 138a | 320a | 840a | 783a | 402a | 366a | 377a | 320a | 358a | 382a | 415a | 469a | 511a | 516a | 590a |
| Train Dispatchers | | | | | | | | | | | | | | | | | |
| Tunnel and Subway Constructors | | | | | | | | | | | 13a | 17a | 18a | 19a | 17a | 15a | 27a |
| Utility Employees | | | | | | | | | | | | | | | | | |
| TOTAL, Transportation and Communication | 1893 | 2160 | 2578 | 3393 | 4437 | 4463 | 4215 | 4601 | 4702 | 4380 | 4805 | 5131 | 5303 | 5573 | 5617 | 5760 | 6233 |

APPENDIX TABLE I

TABLE I—Continued

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-----|
| 15a | 17a | 18a | 19a | 20a | 20a | 20a | 20a | 20a | 20a | 20a | 20a | 20a | 20a | 20a | 20a | 20a | 20a | |
| 32a | 32a | 26a | 26a | 24a | 24a | 24a | 24a | 24a | 24a | 24a | 24a | 24a | 24a | 24a | 22a | 22a | 22a | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| ... | ... | ... | ... | ... | ... | 8 | 10 | 14 | 18 | 16 | 17 | 17 | 10 | 7 | 4 | 4 | 4 | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| ... | ... | ... | 26a | 16a | 9a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 8a | 9a | 62a | 123a | 113a | 105a | 76a | 74a | 83a | 90a | 93a | 93a | 113 | 105 | 90 | 68 | 68 | 70 | |
| 40 | 45 | 50 | 88 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| ... | 61 | 45 | 33 | 21e | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 222 | 294 | 327 | 352 | 300 | 270 | 38 | 38 | 37 | 37 | 37 | 37 | 36 | 35 | 21 | 19 | 15 | 11 | |
| 272a | 377a | 446a | 780a | 720a | 670a | 500a | 433a | 392a | 350a | 350a | 350a | 390a | 410a | 410a | 370a | 350a | 350a | |
| 1591 | 1814 | 1969 | 1846 | 1772 | 1698 | 1698 | 1789 | 1778 | 1792 | 1823 | 1843 | 1839 | 1797 | 1705 | 1397 | 1121 | 1140 | |
| ... | ... | ... | ... | ... | ... | ... | ... | 3 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | |
| 68a | 172a | 714a | 1860a | 1696a | 1378a | 961a | 884a | 912a | 945 | 959 | 974a | 969a | 970a | 753a | 608a | 600a | 600a | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 487 | 503 | 524 | 560 | 580 | 620 | 587 | 590 | 586 | 573 | 550 | 531 | 517 | 513 | 479 | 421 | 375 | 343 | |
| ... | ... | ... | 200e | 360e | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 322a | 371a | 427a | 659a | 1033a | 492a | 179a | 180a | 160a | 150a | 150a | 150a | 150a | 150a | 150a | 150a | 97a | 60a | 50a |
| ... | ... | ... | 12a | 25a | 26a | 23a | 23a | 23a | 23a | 22a | 21a | 20a | 19a | 20a | 19a | 20a | 20a | |
| 29a | 37a | 60 | 80 | 96 | 101 | 80 | 81 | 78 | 79 | 70 | ... | ... | ... | ... | ... | ... | ... | |
| 737a | 786a | 897a | 987a | 1000a | 1000a | 1000a | 1000a | 1010a | 1010a | 1012a | 1013a | 997a | 972a | 914a | 817a | 712a | 700a | |
| 102a | 107a | 118a | 140a | 101a | 88a | 87a | 93a | 89a | 87a | 89a | 91a | 93a | 92a | 82a | 72a | 63a | 73a | |
| 703a | 729a | 756a | 1108a | 1057a | 764a | 727a | 750a | 789a | 820a | 865a | 894a | 955a | 988a | 920a | 820a | 713a | 955a | |
| ... | ... | ... | ... | ... | ... | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 28 | 24 | 22 | 22 | |
| 34a | 24a | 20a | 30a | 30a | 30a | 30a | 30a | 30a | 37a | 40a | 40a | ... | ... | ... | ... | ... | ... | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 10 | 20c | |
| 6954 | 7773 | 9588 | 12561 | 12399 | 10390 | 9073 | 8932 | 8930 | 8842 | 8887 | 8905 | 8922 | 8824 | 8158 | 6987 | 6093 | 6452 | |

APPENDIX TABLE I

TABLE I—Continued

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 81a | 109a | 204a | 385a | 330a | 250a | 212a | 208a | 202a | 179a | 200a | 226a | 305a | 335a | 381a | 570 | 580 | 539 |
| ... | 23a | 154a | 221a | 180a | 161a | 160a | 150a | 160a | 160a | 160a | 160a | 168a | 180a | 180a | 180a | 180a | 197a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 40a | 83a |
| 328a | 325a | 339a | 224a | 354a | 399a | 325a | 325a | 325a | 400a | 400a | 404a | 450a | 508a | 550a | 550a | 550a | 517a |
| ... | ... | ... | ... | ... | ... | 16 | 22 | 22 | 32 | 39 | 46 | 44 | 46 | 45 | 45 | 45 | 45 |
| ... | ... | ... | ... | ... | ... | 53 | 54 | 52 | 61 | 67 | 55 | 58 | 58 | 65 | 65 | 60 | 64 |
| 290 | 240 | 270 | 290 | 310 | 350 | 300 | 310 | 330 | 340 | 360 | 370 | 390 | 410 | 390 | 425 | 430 | 450 |
| 170a | 210a | 230a | 250a | 270a | 300a | 280a | 296a | 326a | 348a | 350a | 392a | 425a | 448a | 480a | 480a | 400a | 400a |
| 134 | 135a | 147a | 148a | 165a | 167a | 167a | 179a | 191a | 195a | 194a | 197a | 198a | 198a | 198a | 207a | 200a | 192a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | 233 | 266 | 283 | 286 | 314 | 345 | 378 | 398 | 396 | 392 | 366 | 355 |
| ... | ... | ... | 3a | 16a | 10a | 6a | 3a | 3a | 5a | 6a | 8a | 8a | 8a | 8a | 11a | 12a | 12a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 30 | 50 |
| 21a | 10a | 28a | 93a | 93a | 70a | 46a | 37a | 35a | 35a | 35a | 38a | 42a | 52a | 63a | 70a | 70a | 85a |
| 1024 | 1052 | 1372 | 1614 | 1718 | 1707 | 1798 | 1850 | 1929 | 2041 | 2125 | 2241 | 2466 | 2641 | 2756 | 2995 | 2963 | 2989 |
| ... | ... | 40a | 90a | 120a | 127a | 90a | 108a | 105a | 103a | 103a | 121a | 117a | 97a | 83a | 45a | 33a | 31a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 604a | 650a | 654a | 700a | 746a | 750a | 750a | 771a | 800a | 800a | 800a | 967a | 1000a | 1000a | 1000a | 1000a | 1000a | 1000a |
| 186a | 186a | 185a | 196a | 194a | 195a | 196a | 200a | 200a | 220a | 231a | 232a | 233a | 240a | 240a | 240a | 240a | 240a |
| 30a | 37a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 820 | 873 | 879 | 986 | 1060 | 1072 | 1036 | 1079 | 1105 | 1123 | 1134 | 1320 | 1350 | 1337 | 1323 | 1285 | 1273 | 1271 |
| 150a | 150a | 150a | 208a | 212a | 167a | 103a | 100a | 100a | 100a | 100a | 100a | 100a | 100a | 100a | 87a | 50a | 58a |
| 150 | 150 | 150 | 208 | 212 | 167 | 103 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 87 | 50 | 58 |

APPENDIX TABLE I

TABLE I—Continued

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| ... | ... | ... | ... | 120 | 140 | 70 | 70 | 70 | 70 | 75 | 75 | 75 | 75 | 55 | 55 | 50 | 55 |
| 646a | 652a | 608a | 604a | 572a | 465a | 384a | 385a | 385a | 386a | 398a | 385a | 378a | 365a | 328a | 259a | 266a | 474a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 646 | 652 | 608 | 604 | 692 | 605 | 454 | 455 | 455 | 456 | 473 | 460 | 453 | 440 | 383 | 314 | 316 | 529 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 398a | 384a | 359a | 442a | 470a | 452a | 432a | 453a | 480a | 512a | 545a | 541a | 522a | 512a | 461a | 399a | 320a | 393a |
| ... | ... | ... | ... | 8a | 9a | 78a | 62a | 62a | 62a | 62a | 62a | 92a | 162a | 180a | 180a | 180a | 192a |
| 46a | 55a | 60a | 67a | 70a | 65a | 55a | 55a | 55a | 55a | 55a | 55a | 55a | 55a | 55a | 55a | 50a | 53a |
| 444 | 439 | 419 | 509 | 548 | 611 | 565 | 570 | 597 | 629 | 662 | 658 | 669 | 729 | 696 | 634 | 550 | 628 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 50 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 60 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 110 |
| 15a | 16a | 16a | 16a | 16a | 16a | 16a | 16a | 16a | 16a | 16a | 16a | 16a | 16a | 16a | 16a | 16a | 14a |
| 7a | 7a | 10a | 14a | 12a | 8a | 6a | 6a | 5a | 5a | 5a | 6a | 5a | 5a | 4a | 3a | 2a | 1a |
| 2a | 2a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 170a | 171a | 205a | 296a | 350a | 250a | 125a | 90a | 100a | 80a | 90a | 83a | 95a | 90a | 91a | 93a | 92a | 101a |
| ... | ... | ... | ... | ... | 19a | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 54a | 54a | 54a | 54a | 54a | 25a | 20a | 20a | 20a | 15a | 12a | 9a | 9a | 7a | 4a | 2a | 1a | 1a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 220a | 230a | 250a | 320a | 320a | 320a | 271a | 250a | 250a | 275a | 320a | 320a | 330a | 340a | 340a | 344a | 350a | 350a |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1a | 6a | 8a |

EBB AND FLOW IN TRADE UNIONISM

TABLE I—Continued

| | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | |
|--|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
| Directly Affiliated 'Local Trade and Federal Labor Unions' | 349a | 469a | 678a | 828a | 553a | 1046a | 245a | 289a | 616a | 190a | 210a | 286a | 279a | 288a | 272a | 238a | 352a | |
| TOTAL, Miscellaneous | 425 | 589 | 842 | 1188 | 999 | 1575 | 717 | 734 | 1182 | 661 | 636 | 761 | 935 | 917 | 855 | 688 | 815 | |
| GRAND TOTAL | 8685 | 11247 | 13759 | 19139 | 20727 | 20223 | 19073 | 20804 | 21306 | 20056 | 21405 | 23434 | 24524 | 27163 | 26871 | 25826 | 27722 | |
| * The unions in existence and their membership in 1897, 1898 and 1899 were as follows: | | | | | | | | | | | | | | | | | | |
| | Average Annual Membership | | | | | | | | | 1897 | | | 1898 | | | 1899 | | |
| | 1897 1898 1899 | | | | | | | | | | | | | | | | | |
| | (00's omitted) | | | | | | | | | | | | | | | | | |
| MINING, QUARRYING AND OIL | | | | | | | | | | | | | | | | | | |
| Coal Hoisting Engineers | ... | ... | ... | ... | ... | ... | 5a | | | | | | | 3a | 3a | 3a | | |
| Mine Workers, United | 97a | 329a | 618a | | | | | | | | | | | 2a | 3a | 3a | 20 | |
| Mineral Mine Workers | 28a | 7a | 6a | | | | | | | | | | | 25 | 30 | | | |
| Miners, Western Federation of | 80 | 100 | 120 | | | | | | | | | | | 24a | 24a | 21a | | |
| Quarrymen | 4a | 4a | ... | | | | | | | | | | | 27a | 25a | 22a | | |
| Total | 209 | 440 | 749 | | | | | | | | | | | 81 | 85 | 69 | | |
| BUILDING CONSTRUCTION | | | | | | | | | | | | | | | | | | |
| Bricklayers and Masons | 233 | 262 | 267 | | | | | | | | | | | | | | | |
| Carpenters, Amalgamated | 16a | 16a | 18a | | | | | | | | | | | | | | | |
| Carpenters and Joiners, United | 282a | 315a | 500a | | | | | | | | | | | | | | | |
| Electrical Workers (A. F. of L.) | 17a | 20a | 20a | | | | | | | | | | | | | | | |
| Painters, Decorators and Paper Hangers | 50a | 43a | 45a | | | | | | | | | | | | | | | |
| Plasterers and Cement Finishers | 20 | 18 | 40c | | | | | | | | | | | | | | | |
| Plumbers and Steam Fitters | 40a | 40a | 40a | | | | | | | | | | | | | | | |
| Sheet Metal Workers | 10 | 12 | 15a | | | | | | | | | | | | | | | |
| Steam and Hot Water Fitters | 5 | 10 | 20a | | | | | | | | | | | | | | | |
| Tile Layers | ... | 2a | 3a | | | | | | | | | | | | | | | |
| Total | 673 | 738 | 968 | | | | | | | | | | | | | | | |
| METALS, MACHINERY AND SHIPBUILDING | | | | | | | | | | | | | | | | | | |
| Blacksmiths, Drop Forgers and Helpers | 3a | 3a | 5a | | | | | | | | | | | | | | | |
| Boilermakers, Iron Shipbuilders and Helpers | 11a | 13a | 32a | | | | | | | | | | | | | | | |
| Brass and Composition Metal Workers | 7a | ... | ... | | | | | | | | | | | | | | | |
| Carriage and Wagon Makers | 5a | 5a | 7a | | | | | | | | | | | | | | | |
| Coremakers | 5a | 7a | 10a | | | | | | | | | | | | | | | |
| Engineers, Amalgamated | 19 | 19a | 18a | | | | | | | | | | | | | | | |
| Gold Beaters | 5a | 5a | 5a | | | | | | | | | | | | | | | |
| Iron, Steel and Tin Workers | 105a | 105a | 110a | | | | | | | | | | | | | | | |
| Machinists | 140a | 100a | 136a | | | | | | | | | | | | | | | |
| Metal Mechanics | 6a | 7a | 9a | | | | | | | | | | | | | | | |
| Metal Polishers | 36a | 42a | 48a | | | | | | | | | | | | | | | |
| Molders | 120a | 120a | 150a | | | | | | | | | | | | | | | |
| Pattern Makers | 10a | 13a | 15a | | | | | | | | | | | | | | | |
| Railway Carmen | 13 | 10 | 11 | | | | | | | | | | | | | | | |
| Stove Mounters | 7a | 6a | 6a | | | | | | | | | | | | | | | |
| Table Knife Grinders | 2a | 2a | 3a | | | | | | | | | | | | | | | |
| Tin Plate Workers | ... | ... | 17a | | | | | | | | | | | | | | | |
| Wire Drawers | 5a | 3a | 5a | | | | | | | | | | | | | | | |
| Wire Weavers | 2 | 2 | 2 | | | | | | | | | | | | | | | |
| Total | 501 | 462 | 589 | | | | | | | | | | | | | | | |
| TEXTILES | | | | | | | | | | | | | | | | | | |
| Elastic Goring Weavers | | | | | | | | | | | | | | | 3a | 3a | 3a | |
| Lace Operatives | | | | | | | | | | | | | | | 2a | 3a | 3a | |
| Loomfixers | | | | | | | | | | | | | | | 25 | 30 | 20 | |
| Mule Spinners | | | | | | | | | | | | | | | 24a | 24a | 21a | |
| Textile Workers, United | | | | | | | | | | | | | | | 27a | 25a | 22a | |
| Total | | | | | | | | | | | | | | | 81 | 85 | 69 | |
| LEATHER AND SHOES | | | | | | | | | | | | | | | | | | |
| Boot and Shoe Workers | | | | | | | | | | | | | | | 125a | 94a | 43a | |
| Leather Workers on Horse Goods | | | | | | | | | | | | | | | 1a | 4a | 10a | |
| Shoe Workers Protective | | | | | | | | | | | | | | | 25 | 25 | 25 | |
| Travelers Goods and Leather Novelty Workers | | | | | | | | | | | | | | | 1 | 1 | 2 | |
| Total | | | | | | | | | | | | | | | 152 | 124 | 80 | |
| CLOTHING | | | | | | | | | | | | | | | | | | |
| Garment Workers, United | | | | | | | | | | | | | | | 40a | 43a | 42a | |
| Hatters, United | | | | | | | | | | | | | | | 56a | 58a | 59a | |
| Journymen Tailors | | | | | | | | | | | | | | | 50a | 50a | 50a | |
| Total | | | | | | | | | | | | | | | 146 | 151 | 151 | |
| LUMBER AND WOODWORKING | | | | | | | | | | | | | | | | | | |
| Coopers | | | | | | | | | | | | | | | 15a | 24a | 32a | |
| Piano and Organ Workers | | | | | | | | | | | | | | | ... | 33 | 47 | |
| Wood Carvers | | | | | | | | | | | | | | | 7 | 9a | 12a | |
| Woodworkers, Amalgamated | | | | | | | | | | | | | | | 33a | 51a | 68a | |
| Total | | | | | | | | | | | | | | | 55 | 117 | 159 | |
| PAPER, PRINTING, AND BOOKBINDING | | | | | | | | | | | | | | | | | | |
| Bookbinders | | | | | | | | | | | | | | | 26 | 26a | 28a | |
| Lithographers, Amalgamated | | | | | | | | | | | | | | | 15 | 16c | 17c | |
| Paper Makers | | | | | | | | | | | | | | | 1a | 1a | 1a | |
| Printing Pressmen | | | | | | | | | | | | | | | 50a | 58a | 72a | |
| Steel and Copper Plate Printers | | | | | | | | | | | | | | | 6 | 4a | 4a | |
| Typographical Union | | | | | | | | | | | | | | | 281a | 286a | 306a | |
| Total | | | | | | | | | | | | | | | 379 | 391 | 428 | |
| CHEMICALS, CLAY, GLASS AND STONE | | | | | | | | | | | | | | | | | | |
| Brick and Clay Workers, United | | | | | | | | | | | | | | | 8a | 5a | 10a | |
| Flint Glass Workers | | | | | | | | | | | | | | | 72a | 71a | 71a | |
| Glass Bottle Blowers | | | | | | | | | | | | | | | 40 | 40 | 42a | |
| Glass Flatteners | | | | | | | | | | | | | | | ... | 5a | 6a | |
| Granite Cutters | | | | | | | | | | | | | | | 45a | 46a | 48a | |
| Operative Potters | | | | | | | | | | | | | | | 5 | 8 | 13a | |
| Potters National Union | | | | | | | | | | | | | | | 2a | 2a | ... | |
| Stone Cutters | | | | | | | | | | | | | | | 60 | 65 | 70 | |
| Stoneware Potters | | | | | | | | | | | | | | | 1a | 1a | 1a | |
| Window Glass Cutters | | | | | | | | | | | | | | | ... | 8a | 8a | |
| Total | | | | | | | | | | | | | | | 233 | 251 | 269 | |

APPENDIX TABLE I

193

TABLE I—Continued

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 584a | 665a | 652a | 868a | 682a | 313a | 234a | 228a | 212a | 223a | 242a | 253a | 217a | 182a | 145a | 114a | 104a | 891a |
| 1052 | 1145 | 1187 | 1568 | 1434 | 951 | 672 | 610 | 603 | 614 | 685 | 687 | 672 | 640 | 600 | 573 | 571 | 1366 |
| 30614 | 34673 | 41252 | 50478 | 47813 | 40274 | 36220 | 35361 | 35194 | 35024 | 35465 | 34798 | 34426 | 33928 | 33581 | 31443 | 29730 | 36086 |
| | | | | | | 1897 | 1898 | 1899 | | | | | | | | | |
| FOOD, LIQUOR AND TOBACCO | | | | | | | | | a. Affiliated with the A. F. of L. | | | | | | | | |
| Bakery and Confectionery Workers | | | | | | | | | b. From the New York State Department of Labor, Bureau of Statistics and Information, <i>Special Bulletins</i> , Nos. 48, 52 and 67. | | | | | | | | |
| Brewery, Flour, Cereal and Soft Drink Workers | | | | | | | | | c. Estimated. | | | | | | | | |
| Cigar Makers | | | | | | | | | d. Figures not available for later years. | | | | | | | | |
| Meat Cutters and Butcher Workmen | | | | | | | | | e. From the Department of Labour of Canada, <i>Report on Labour Organization in Canada</i> , issued annually. | | | | | | | | |
| Tobacco Workers | | | | | | | | | f. During the years of its suspension from the A. F. of L., the membership figures of this union were not available. The membership for the missing years was interpolated on the assumption that the fall from 1919 to 1923 was a gradual one. The actual decline from 1920 to 1921 was probably more precipitate. | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | |
| TRANSPORTATION AND COMMUNICATION | | | | | | | | | | | | | | | | | |
| Locomotive Engineers | | | | | | | | | | | | | | | | | |
| Locomotive Firemen and Enginem | | | | | | | | | | | | | | | | | |
| Longshoremen | | | | | | | | | | | | | | | | | |
| Marine Engineers Beneficial Assoc. | | | | | | | | | | | | | | | | | |
| Railroad Telegraphers | | | | | | | | | | | | | | | | | |
| Railroad Trainmen | | | | | | | | | | | | | | | | | |
| Railway Conductors | | | | | | | | | | | | | | | | | |
| Seamen | | | | | | | | | | | | | | | | | |
| Street and Electric Railway Employees | | | | | | | | | | | | | | | | | |
| Teamsters | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | |
| PUBLIC SERVICE | | | | | | | | | | | | | | | | | |
| Letter Carriers, National Assoc. of | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | |
| THEATRES AND MUSIC | | | | | | | | | | | | | | | | | |
| Musicians | | | | | | | | | | | | | | | | | |
| Theatrical Stage Employees | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | |
| TRADE | | | | | | | | | | | | | | | | | |
| American Agents International | | | | | | | | | | | | | | | | | |
| Retail Clerks | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | |
| HOTELS AND RESTAURANTS | | | | | | | | | | | | | | | | | |
| Hotel and Restaurant Employees | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | |
| DOMESTIC AND PERSONAL SERVICE | | | | | | | | | | | | | | | | | |
| Barbers | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | |
| MISCELLANEOUS | | | | | | | | | | | | | | | | | |
| Broom and Whisk Makers | | | | | | | | | | | | | | | | | |
| Firemen and Oilers | | | | | | | | | | | | | | | | | |
| Horseshoers | | | | | | | | | | | | | | | | | |
| Operating Engineers | | | | | | | | | | | | | | | | | |
| Directly Affiliated 'Local Trade and Federal Labor Unions' | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | |
| GRAND TOTAL | | | | | | | | | | | | | | | | | |

GENERAL NOTES

Mining, Quarrying and Oil

The National Quarrymen's Union was disbanded in 1898. The charter of the National Brotherhood of Coal Hoisting Engineers, which had been granted on October 13, 1899, was revoked on December 16, 1903.

The National Mine Managers' and Assistants' Mutual Aid Association, chartered on May 1, 1902, was suspended on February 26, 1907.

The United Mineral Mine Workers of America was absorbed by the Western Federation of Miners in May 1904. The Western Federation of Miners became affiliated with the A. F. of L. in 1911. The name of this union was changed in December 1916 to the International Union of Mine, Mill and Smelter Workers. Its jurisdiction, which had been limited to metal mines of the Rocky Mountain district, was then extended to cover smelters, refineries and blast furnaces, as well as metal mines, in the United States and Canada.

An International Brotherhood of Oil and Gas Well Workers was chartered by the A. F. of L. in December 1899 and dropped in December 1905. The present union was organized from a group of independent local unions which sprang up through California and the Gulf States. It was chartered by the A. F. of L. on June 21, 1918 under the title of the Oil Field, Gas Well and Refinery Workers of America.

The American Brotherhood of Slate Workers was disbanded on May 30, 1916.

Building Construction

The Bridge, Structural, and Ornamental Iron Workers, which had been chartered by the A. F. of L. in June 1901, was

suspended in 1902 for non-payment of the per capita tax, and rechartered on October 6, 1903. It was suspended again on April 2, 1917 because of a jurisdictional dispute with the United Brotherhood of Carpenters and Joiners, but was reinstated in November of that year, when it relinquished to the Carpenters its locals of pile drivers.

The charter of the International Building Employees of America, which had been granted on March 10, 1904, was revoked on September 20, 1905.

The International Association of Steam and Hot Water Fitters was suspended from the A. F. of L. in 1912 for its refusal to merge with the United Association of Plumbers and Steam Fitters.

The charter of the Amalgamated Society of Carpenters and Joiners was revoked on August 1, 1912 because of its refusal to merge with the United Brotherhood of Carpenters and Joiners. The union continued independently for a time, although no data on its membership during this period are available, but finally merged with the United Brotherhood in 1924.

The American Brotherhood of Cement Workers was absorbed by the Operative Plasterers' Association on September 9, 1915.

The Compressed Air and Foundation Workers Union merged with the International Hod Carriers', Building and Common Laborers' Union of America on January 1, 1918.

The International Slate and Tile Roofers' Union of America merged with the International Brotherhood of Composition Roofers, Damp and Waterproof Workers on September 8, 1919.

The Ceramic Mosaic and Encaustic Tile Layers' and Helpers' International Union was suspended from the A. F. of L. on September 20, 1918.

Metals, Machinery and Shipbuilding

The International Brotherhood of Brass and Composition Metal Workers was absorbed by the Metal Polishers International Union in 1897.

The Federated Association of Wire Drawers of America, which had been chartered in 1896, was disbanded in February 1899.

The Coremakers' International Union merged with the International Molders' Union on May 21, 1903.

The charter of the Amalgamated Society of Engineers was revoked by the A. F. of L. in October 1902. By 1920 this union had been completely absorbed by the International Association of Machinists.

The International Watch Case Makers' Union was chartered on April 10, 1903 and absorbed by the International Jewelry Workers' Union in September of the same year.

The International Association of Tube Workers, which had been chartered on March 17, 1902, was disbanded in 1904.

The International Union of United Metal Workers, chartered on September 24, 1900, was suspended on March 29, 1905.

The International Association of Allied Metal Mechanics was absorbed by the International Association of Machinists on May 9, 1905.

The International Association of Blast Furnace Workers and Smelters, which had been chartered in 1901, was dropped from the A. F. of L. on December 9, 1905.

The Tackmakers' International Union was dropped from the A. F. of L. on December 9, 1905.

The National Gold Beaters' Protective Union, which was first suspended from the A. F. of L. during 1900 and 1901, was later reinstated and finally suspended on June 3, 1909.

The Chainmakers' National Union surrendered its charter in March 1911.

The Shipwrights, Joiners and Caulkers National Union of America was suspended from the A. F. of L. in March 1911.

The Table Knife Grinders' National Union was suspended in August 1911.

The International Association of Car Workers, which had been chartered by the A. F. of L. in 1901, surrendered its charter on November 28, 1911 and continued independently for some years as an industrial union under the name of the American Federation of Railroad Workers. No membership data are available after 1914.

The International Association of Watchcase Engravers surrendered to the A. F. of L. in September 1912 the charter which it had received in 1900.

The International Tin Plate Workers' Protective Association was absorbed in August 1913 by the Amalgamated Association of Iron, Steel and Tin Workers.

The International Jewelry Workers' Union, chartered by the A. F. of L. in 1900, was disbanded in 1913. Members of the old union formed a new International Jewelry Workers' Union along industrial lines in 1916 and reaffiliated with the A. F. of L. This union was suspended from September 19, 1920 to May 11, 1922 because of a jurisdictional dispute with the Metal Polishers' International Union in which it surrendered its claims.

The Pocket Knife Blade Grinders' and Finishers' National Union was suspended from the A. F. of L. on September 29, 1917. Most of the membership has been taken up by the Metal Polishers' International Union.

The Carriage and Wagon Makers' International Union, the name of which had been changed to the Carriage, Wagon and Automobile Workers in 1913, was suspended from the A. F. of L. on April 1, 1918 for its refusal to release its craft members in the automobile industry to the respective A. F. of L. craft unions. Its automobile members joined the United Automobile, Aircraft and Vehicle Workers, an unaffiliated union.

The International Brotherhood of Blacksmiths and Helpers absorbed the unaffiliated organization of Drop Forgers, Die Sinkers and Trimming Die Makers, and changed its name to the International Brotherhood of Blacksmiths, Drop Forgers and Helpers on October 16, 1919.

The International Union of Cutting Die and Cutter Makers was disbanded on October 3, 1922.

The Sawsmiths' National Union was suspended on August 22, 1924. Only one small local in Indianapolis remains for which no figures are available.

Textiles

The American Federation of Full Fashioned Hosiery Workers seceded from the United Textile Workers in 1915, remained independent until 1922, and then returned to the United Textile Workers although preserving much of its autonomy. No member-

ship figures for the bository workers from 1915 to 1922 are available.

The Amalgamated Lace Operatives of America and the International Mule Spinners were suspended from the A. F. of L. on December 31, 1919 for their refusal to merge with the United Textile Workers. The Mule Spinners' union had by 1932 gone out of existence.

The Amalgamated Association of Elastic Goring Weavers was disbanded on February 17, 1927.

The Associated Silk Workers of America, an independent federation of craft unions operating exclusively in the silk and artificial silk industries, was absorbed by the United Textile Workers in 1932.

Leather and Shoes

The United Leather Workers of America is regarded as an international union in spite of the fact that it operates only in Massachusetts. The union was organized on September 2, 1915, but no membership data are available before 1923.

The Amalgamated Leather Workers of America was composed exclusively of tannery workers. It surrendered the charter it had received from the A. F. of L. in 1901, on September 6, 1913. Since then such organization as has existed among tannery workers outside of Massachusetts has been carried on through directly affiliated local trade unions.

The United Leather Workers International Union was formed by an amalgamation of the United Brotherhood of Leather Workers on Horse Goods and the Travelers' Goods and Leather Novelty Workers' International Union of America on July 24, 1917.

At a convention held in Boston in 1924 the Shoe Workers' Protective Union and the United Shoe Workers merged into one organization under the title of the former.

In 1924 the Fancy Leather Goods Workers were admitted to the A. F. of L. as a directly affiliated federal labor union. The name was changed to International Pocketbook Workers. In 1928 the Pocketbook Workers merged with the United Leather Workers International Union under an agreement which allows the former to retain its name and complete jurisdiction over the handbag, pocketbook and fancy leather goods trades.

The United Shoe and Leather Workers was organized in December 1933. It represents an amalgamation of the National Shoe Workers, the Salem Shoe Workers, the left-wing Shoe and Leather Workers Industrial Union and most of the Shoe Workers' Protective Union.

Clothing

The Special Order Clothing Makers' Union, which had been chartered in April 1902, was suspended in February 1903.

The International Association of Fur Workers was chartered on May 19, 1904. It surrendered its charter on March 31, 1911, however, and a new International Fur Workers' Union was created by the A. F. of L. in 1913.

A protest entered in 1916 by the United Hatters against the control of the millinery trade by the United Cloth Hat and Cap Makers resulted in the expulsion of the latter organization from the A. F. of L. on April 1, 1918. The union continued successfully, however, in both the cap and millinery trades, and in 1923 the United Hatters withdrew their claim to

jurisdiction over millinery workers. The hat and cap makers were accordingly reinstated on January 12, 1925 under the new title of Cloth Hat, Cap and Millinery Workers' International Union. In 1934, this union merged with the United Hatters to form the United Hatters, Cap and Millinery Workers' International Union.

The Amalgamated Clothing Workers of America was admitted to the A. F. of L. in October 1933.

Lumber and Woodworking

The Woodsmen and Saw Mill Workers was chartered on August 2, 1905 and suspended on April 10, 1911 for non-payment of the per capita tax to the A. F. of L.

The Amalgamated Woodworkers International Union was absorbed by the United Brotherhood of Carpenters and Joiners in March 1912.

The International Union of Timber Workers, which was chartered in August 1917 and merged with the International Shingle Weavers in April 1918, was disbanded on March 22, 1923.

Paper, Printing and Bookbinding

The International Photo Engravers' Union was formed by secession from the International Typographical Union. It was chartered by the A. F. of L. on May 19, 1904.

The International Union of Paper Box, Bag and Novelty Workers was suspended in August 1907.

The International Brotherhood of Pulp, Sulphite and Paper Mill Workers was organized by secession from the International Brotherhood of Paper Makers in 1902. It continued as an independent union until 1909 when a jurisdictional adjustment with the Paper Makers was made. The A. F. of L. issued a charter to the Pulp, Sulphite and Paper Mill Workers in July 1909.

The Amalgamated Lithographers absorbed the Lithographic Workmen of America in 1915. In 1918, the Amalgamated Lithographers also absorbed the Lithographic Press Feeders' and Apprentices' Association which had been suspended from the A. F. of L. in March 1914.

The International Brotherhood of Tip Printers, which had been suspended in 1914 and reinstated in 1916, joined the International Brotherhood of Bookbinders on December 31, 1918.

The International Association of Siderographers was known as the Steel Plate Transferrers' Association until July 20, 1922.

The Machine Printers and Color Mixers of the United States and the National Print Cutters' Association were merged on June 29, 1923 to form the United Wall Paper Crafts of North America.

The Steel and Copper Plate International Engravers League was absorbed by the International Plate Printers and Die Stampers' Union on March 25, 1925.

Chemicals, Clay, Glass and Stone

Although the Window Glass Cutters' League was organized in 1917, the Window Glass Cutters' and Flatteners' Association in 1904, and the Window Glass Cutters' and Flatteners' Protective Association in 1909, no data on their membership before 1923 are available.

The Window Glass Cutters' Union, which had been chartered

on May 24, 1898, was absorbed in 1900 by existing A. F. of L. unions in the glass industry.

Of the three unions chartered by the A. F. of L. in the pottery industry only one, the National Brotherhood of Operative Potters, remains. The Potters' National Union went out of existence in 1899 and the Stoneware Potters was suspended in 1900.

The Window Glass Flatteners' Association of North America was chartered by the A. F. of L. in April 1898 and suspended in 1901.

The American Flint Glass Workers' Union, chartered in 1887 and then known as the United Flint Glass Workers, withdrew from the A. F. of L. on January 30, 1903. It was re-chartered under its present title on October 22, 1912.

The Glass House Employees' International Association surrendered, on September 6, 1907, the charter which it had received from the A. F. of L. on January 7, 1903.

The Amalgamated Window Glass Workers of America, later known as the National Window Glass Workers of America, became affiliated with the A. F. of L. on May 10, 1906 but was dropped in February 1908. A group of skilled handicraftsmen from this union formed the National Window Glass Workers and continued independently until April 1918 when they received a charter from the A. F. of L. The union disbanded in 1928.

The Window Glass Snappers' National Protective Association of America was suspended from the A. F. of L. on March 4, 1908 but continued independently for a few years.

The Amalgamated Glass Workers' International Union, composed of stained and decorative glass workers, was absorbed by the Brotherhood of Painters, Decorators and Paperhangers on October 1, 1915.

The Window Glass Cutters' League of America was chartered by the A. F. of L. on April 14, 1928. In 1930 it absorbed the Window Glass Cutters' and Flatteners' Association, a union which had been chartered in November 1925; and in December 1933 it absorbed the independent Window Glass Cutters and Flatteners' Protective Association. The League is now the only union of window glass cutters.

The Federation of Flat Glass Workers, organized in March 1934 and chartered by the A. F. of L. on August 6, 1934, embraces all workers in flat glass factories, except window glass cutters who are members of the Window Glass Cutters' League. These are now the only two unions in the flat glass industry.

Food, Liquor and Tobacco

The charter of the International Union of Flour and Cereal Mill Employees, which had been granted on October 4, 1902, was revoked on March 30, 1911.

The International Union of United Brewery, Flour, Cereal, and Soft Drink Workers, an industrial union, was suspended from the A. F. of L. in 1907 as a result of jurisdictional disputes with the unions of coopers, firemen, engineers, and teamsters. The brewery workmen were reinstated in 1908, however, with a recognized jurisdiction over "all workers employed in the brewery industry". In 1918 the Brewery Workers' Union also assumed jurisdiction over the flour and cereal milling industry, a field which had previously been held by the International Union of Flour and Cereal Mill Employees but which was left unclaimed after the collapse of that organization. The

Brewery Workers' Union was rechartered under its present title on November 29, 1918.

Transportation and Communication

Although the Colored Railway Trainmen was organized in 1912, and the Dining Car Conductors, the Porters, Brakemen, and Switchmen, and the Train Dispatchers in 1918, no membership figures for these unions are available before 1923.

The Brotherhood of Railway Expressmen of America was chartered in May 1903 and disbanded in 1904.

The Brotherhood of Railway and Steamship Clerks was chartered by the A. F. of L. on October 21, 1900, suspended in 1902, and reinstated on November 17, 1908. It was again suspended from January 25, 1926 to January 19, 1928 for its refusal to relinquish to the International Brotherhood of Teamsters its members who were employed as drivers in the railway express service.

The Lake Pilots' Protective Association of the Great Lakes was chartered by the A. F. of L. on January 17, 1906 and suspended on March 29, 1907.

The Brotherhood of Railway Express Messengers of America was chartered in June 1912 and disbanded in December 1913.

The Brotherhood of Railroad Freight Handlers was absorbed in January 1915 by the Brotherhood of Railway Clerks.

The Brotherhood of Steam Shovel and Dredge Men, which had been chartered in January 1915, was expelled from the A. F. of L. in March 1919 for its refusal to merge with the union of steam and operating engineers. It continued independently until April 1927, when it was absorbed by the International Union of Operating Engineers, affiliated with the A. F. of L.

The Brotherhood of Maintenance of Way Employees was suspended from the A. F. of L. from December 31, 1919 to July 1, 1922.

The Marine Engineers Beneficial Association became affiliated with the A. F. of L. in December 1917 but withdrew in February 1923 because of the stand of the Federation on ship subsidies.

The Brotherhood of Railroad Patrolmen was suspended on February 24, 1923 for non-payment of the per capita tax.

The Brotherhood of Railroad Signalmen, which had been chartered by the A. F. of L. on March 11, 1914, was suspended on October 23, 1928.

The Tunnel and Subway Constructors International Union was absorbed by the International Hod-Carriers, Building, and Common Laborers' Union of America on May 7, 1929.

Public Service

Although the National Rural Letter Carriers' Association was organized in 1903, the National Association of Postal Supervisors in 1908, and the National Alliance of Postal Employees in 1913, no membership figures for these unions are available prior to 1923.

The National Alliance of Postal Employees was organized in 1913 by negro employees of the Railway Mail Service who were not eligible to membership in the Railway Mail Association. In 1923 the scope of the union was extended to include all colored workers in the United States Postal Service.

On April 25, 1917 the National Federation of Post Office Clerks, known at the time as the National Post Office Clerks,

APPENDIX TABLE I

197

absorbed the Brotherhood of Railway Postal Clerks. The present title was adopted on November 7, 1919.

The National Federation of Rural Letter Carriers was chartered in 1920 after a secession movement from the independent National Rural Letter Carriers' Association which had been formed in 1903.

The National Federation of Federal Employees withdrew from the A. F. of L. in 1932 over a dispute concerning support of the federal 'classification bill'. A rival union, the American Federation of Government Employees, was chartered by the A. F. of L. in 1932.

Theatres and Music

In December 1910 the Actors' Protective Union, the name of which had been changed to the Actors' International Union in 1909, merged with the White Rats Actors' Union. The new union received a charter from the A. F. of L. as the White Rats Actors' Union of America:

On August 28, 1919 the A. F. of L. issued a charter to the

Associated Actors and Artistes of America. This organization represented an amalgamation of the independent Actors' Equity Association, which had been formed in 1912, and the White Rats Actors' Union of America.

Trade

The charter of the American Agents' International Union, which had been granted in August 1895, was revoked in 1900.

Miscellaneous

The International Union of Mattress, Spring and Bedding Workers was chartered in May 1904 and dropped in December 1905.

The Rubber Workers' Amalgamated Union of America was chartered in November 1902 and dropped in December 1905.

The Lobster Fishermen's International Protective Association was chartered in February 1907 and suspended in June 1909.

The International Brushmakers' Union, which had been chartered on April 5, 1904, was disbanded on May 22, 1918.

The International Union of Fruit and Vegetable Workers was chartered on July 1, 1921 and disbanded on July 27, 1922.

TABLE III
WORKING POPULATION OF THE UNITED STATES, 1910, 1920, AND 1930¹

| | 1910 | 1920 | 1930 |
|---|----------------------|-----------|-----------|
| I. PROFESSIONAL WORKERS² | | | |
| Professional Workers, total | 1,613,755 | 2,000,840 | 2,855,973 |
| Actors and showmen | 48,393 ³ | 48,172 | 75,296 |
| Architects | 16,613 | 18,185 | 22,000 |
| Artists, sculptors and teachers of art | 34,104 | 35,402 | 57,265 |
| Authors | 4,368 | 6,668 | 12,449 |
| Aviators | 3 | 1,312 | 6,097 |
| Chemists, assayers and metallurgists | 16,273 | 32,941 | 47,068 |
| Chiropractors and other healers, not elsewhere classified | 6,834 | 14,774 | 29,556 |
| Clergymen | 118,018 | 127,370 | 148,848 |
| College presidents and professors | 15,668 | 33,407 | 61,905 |
| Decorators, drapers and window dressers | 5,341 | 8,853 | 20,149 |
| Dentists | 39,997 | 56,152 | 71,055 |
| Designers, draftsmen and inventors | 47,449 | 70,651 | 102,730 |
| Editors and reporters | 34,382 | 34,197 | 51,844 |
| Lawyers, judges and justices | 114,704 | 122,519 | 160,605 |
| Musicians and teachers of music | 139,310 | 130,265 | 165,128 |
| Osteopaths | 4 | 5,030 | 6,117 |
| Librarians | 7,423 | 15,297 | 29,613 |
| Photographers | 31,775 | 34,259 | 39,529 |
| Physicians and surgeons | 151,132 ⁴ | 144,977 | 153,803 |
| Teachers: athletics, dancing, etc. | 5,931 | 9,711 | 18,599 |
| Teachers: school | 595,306 | 752,055 | 1,044,016 |
| Technical engineers | 88,755 | 136,121 | 226,249 |
| Trained nurses | 82,327 | 149,128 | 294,189 |
| Veterinary surgeons | 11,652 | 13,494 | 11,863 |
| II. PROPRIETORS, MANAGERS AND OFFICIALS; INDEPENDENT, SALARIED, AND COMMISSIONED WORKERS | | | |
| Proprietors, total | 8,093,399 | 8,372,820 | 8,598,594 |
| Farmers (owners and tenants) | 6,132,380 | 6,387,360 | 6,012,012 |
| Manufacturers | 235,618 | 183,695 | 207,901 |
| Building contractors and builders | 174,822 | 90,109 | 167,512 |
| Wholesale and retail dealers | | | |
| Retail dealers ⁵ | 1,195,029 | 1,328,275 | 1,703,522 |
| Wholesalers, importers and exporters | 51,048 | 73,574 | 83,525 |
| Other proprietors | | | |
| Billiard and dance halls, etc. | 16,761 | 24,897 | 29,129 |
| Boarding and lodging houses | 165,452 | 133,592 | 144,371 |

APPENDIX TABLE III

| | 1910 | 1920 | 1930 |
|--|----------------|----------------|----------------|
| Employment offices | 2,260 | 3,026 | 3,765 |
| Extraction of minerals | 14,287 | 17,334 | 15,511 |
| Laundries | 15,441 | 9,027 | 15,440 |
| Log and timber camps | 6,206 | 6,315 | 5,650 |
| Pleasure resorts, race tracks, etc. | 2,929 | 3,360 | 10,718 |
| Restaurants and cafes | 60,832 | 87,987 | 165,406 |
| Undertakers | 20,734 | 24,469 | 34,132 |
| Managers and Officials, total | 380,696 | 609,853 | 748,597 |
| Banks, including bankers | 56,059 | 82,375 | 93,356 |
| Extraction of minerals | 10,947 | 16,991 | 15,385 |
| Insurance companies | 9,501 | 15,060 | 29,308 |
| Keepers of charitable and penal institutions | 7,491 | 12,884 | 15,020 |
| Laundries | 2,602 | 4,665 | 9,105 |
| Lodges, societies, etc. | 8,215 | 11,736 | 14,515 |
| Log and timber camps | 1,725 | 2,095 | 1,249 |
| Manufacturing | 125,694 | 249,950 | 312,756 |
| Public officials | | | |
| Abstractors, notaries and justices of the peace | 7,445 | 10,071 | 11,756 |
| City and county officials | 52,254 | 55,597 | 78,395 |
| Marshals, sheriffs and detectives | 23,599 | 32,214 | 41,823 |
| Postmasters | 27,849 | 31,935 | 34,421 |
| State and Federal officials | 25,077 | 48,399 | 51,700 |
| Radio | ..... | ..... | 1,819 |
| Steam railroads | 19,805 | 32,426 | 34,380 |
| Street railways | 2,433 | 3,455 | 3,609 |
| Other Proprietors, Managers and Officials,* total | 240,018 | 260,728 | 370,112 |
| Advertising agencies | ..... | ..... | 10,539 |
| Air transportation | 5,304 | 6,319 | 1,090 |
| Boatmen, canalmen and lockkeepers | ..... | ..... | 5,643 |
| Dyeing and cleaning establishments | ..... | ..... | 22,116 |
| Fishermen and oystermen | 68,275 | 52,836 | 73,280 |
| Garages | 5,279 | 42,151 | 69,965 |
| Grain elevators | 5,118 | 8,858 | 9,505 |
| Hotel keepers and managers | 64,504 | 55,583 | 56,848 |
| Stockyards | ..... | ..... | 421 |
| Telephone and telegraph | 10,089 | 11,603 | 18,957 |
| Theatres and motion pictures | 11,322 | 18,395 | 21,646 |
| Truck, transfer and cab companies | 15,598 | 23,497 | 41,084 |
| Warehouses | 4,393 | 6,353 | 7,389 |

TABLE III—Continued

| | 1910 | 1920 | 1930 |
|--|---------------------|----------------------|------------------|
| Miscellaneous trade pursuits | 10,591 ¹ | 16,539 ¹ | 13,686 |
| Miscellaneous transportation and communication | 39,545 | 18,594 | 17,943 |
| Independent, Salaried and Commissioned Workers, total | 620,708 | 878,487 | 1,378,966 |
| Accountants and auditors | 39,239 | 118,451 | 191,571 |
| Advertising agents | 86,532 ² | 161,067 ² | 49,020 |
| Agents, collectors and credit men | 3,990 | 5,048 | 4,281 |
| Auctioneers | 8,664 | 16,604 | 19,998 |
| Brokers, not specified, and promoters | 18,595 | 14,705 | 63,769 |
| Canvassers | 24,009 | 27,552 | 23,638 |
| Commercial brokers and commission men | 163,620 | 179,320 | 223,732 |
| County agents and farm demonstrators | 4,380 | 4,823 | 5,597 |
| Demonstrators | 88,463 | 119,918 | 7,533 |
| Insurance agents | 3,343 | 5,473 | 256,927 |
| Loan brokers and pawn brokers | 4,760 | 4,941 | 13,562 |
| Railroad freight agents | 125,862 | 149,135 | 7,163 |
| Real estate agents ¹⁰ | 35,522 | 41,841 | 240,030 |
| Sales agents | 13,729 | 29,609 | 5,088 |
| Stock brokers | | | 70,950 |
| III. EMPLOYEES¹¹ | 3,100,672 | 2,628,269 | 2,971,167 |
| Agriculture and Forestry, ¹² total | 2,895,099 | 2,336,009 | 2,732,972 |
| Farm laborers, wage workers ¹² | 4,798 | 6,090 | 3,910 |
| Foremen of log and timber camps | 50,296 | 92,324 | 67,222 |
| Foremen and managers of farms | 4,332 | 3,653 | 8,057 |
| Foresters, forest rangers and timber cruisers | 4,715 | 8,074 | 9,926 |
| Fruit and vegetable graders and packers | 2,110 | 2,344 | 2,184 |
| Inspectors, sealers and surveyors of log and timber camps | 139,322 | 179,775 | 146,896 |
| Lumbermen, raftsmen and wood choppers | | | |
| Mining and Quarrying, total | 939,935 | 1,055,898 | 953,427 |
| Foremen and overseers | 22,142 | 27,945 | 28,132 |
| Inspectors | 1,196 | 8,986 | 6,154 |
| Operatives in | | | |
| Coal mines | 613,924 | 733,936 | 621,661 |
| Other mines | | | |
| Copper | 39,270 | 36,054 | 30,939 |
| Gold and silver | 55,436 | 32,700 | 18,157 |
| Iron | 49,948 | 38,704 | 24,248 |
| Not specified | 47,252 | 41,389 | 49,500 |

APPENDIX TABLE III

203

| | 1910 | 1920 | 1930 |
|---|-----------------------|-------------------|-------------------|
| Quarries | 80,840 | 45,162 | 65,288 |
| Oil and gas wells | 25,562 | 85,550 | 105,224 |
| Salt wells and works | 4,365 | 5,472 | 4,124 |
| Manufacturing and Mechanical Industries, including Construction, total | 10,229,364 | 12,162,179 | 13,540,817 |
| Trades and occupations attached to more than one industry, total | 4,756,144 | 5,433,714 | 6,088,981 |
| Metal trades, total | 1,118,688 | 1,631,362 | 1,378,048 |
| Blacksmiths | 232,988 | 195,255 | 124,373 |
| Boilermakers | 44,761 | 74,088 | 49,923 |
| Coppersmiths | 3,410 | 5,233 | 3,027 |
| Forgemen and hammermen | 7,186 | 26,166 | 23,096 |
| Furnace and smelter men, puddlers, etc. | 36,251 | 40,806 | 35,166 |
| Gold and silversmiths, jewelers and watchmakers | 32,574 | 39,592 | 38,662 |
| Machinists | 461,344 | 801,901 | 640,289 |
| Metal filers, grinders and polishers | 49,525 | 59,785 | 78,690 |
| Metal rollers and roller hands | 18,407 | 25,061 | 30,765 |
| Millwrights | 17,442 | 37,669 | 42,012 |
| Molders, founders and casters | 120,900 | 123,681 | 105,158 |
| Pattern and model makers | 23,559 | 27,720 | 29,750 |
| Tinsmiths and sheet metal workers | 56,423 | 69,735 | 80,400 |
| Toolmakers and die setters and sinkers | 9,263 | 55,092 | 78,794 |
| Apprentices | | | |
| Blacksmiths' | 2,816 | 2,661 | 682 |
| Boilermakers' | ..... | 2,005 | 631 |
| Gold and silversmiths', etc. | 1,839 | 2,633 | 1,177 |
| Machinists' ¹³ | ..... | 39,463 | 13,606 |
| Tinsmiths' and coppersmiths' | ..... | 2,816 | 1,937 |
| Building trades, total | 1,645,905 | 1,803,411 | 2,229,661 |
| Brick and stone masons and tile layers | 169,402 ¹⁴ | 131,264 | 170,903 |
| Carpenters | 817,120 | 887,379 | 929,426 |
| Cement finishers | | 7,621 | 15,427 |
| Electricians | 120,241 | 212,964 | 280,317 |
| Painters, glaziers and varnishers (bldg.) | 273,441 | 248,497 | 430,105 |
| Paper hangers | 25,577 | 18,746 | 28,328 |
| Plasterers | 47,682 | 38,255 | 70,053 |
| Plumbers and gas and steam fitters | 148,304 | 206,718 | 237,814 |
| Roofers and slaters | 14,078 | 11,378 | 23,636 |
| Structural iron workers (bldg.) | 11,427 | 18,836 | 28,966 |

EBB AND FLOW IN TRADE UNIONISM

TABLE III—Continued

| | 1910 | 1920 | 1930 |
|---|----------------|----------------|------------------|
| Apprentices | | | |
| Carpenters' | 6,069 | 4,805 | 4,138 |
| Electricians' | 2,661 | 9,562 | 4,611 |
| Plumbers' | 9,903 | 7,386 | 5,937 |
| Lumber and woodworking trades, total | 130,686 | 127,991 | 156,760 |
| Cabinet makers | 41,892 | 45,511 | 57,897 |
| Coopers | 25,299 | 19,066 | 11,347 |
| Sawyers | 43,276 | 33,809 | 36,064 |
| Upholsters | 20,221 | 29,605 | 51,452 |
| Printing trades, total | 186,541 | 199,220 | 261,904 |
| Compositors, linotypers and typesetters | 127,589 | 140,165 | 183,632 |
| Electrotypers and stereotypers | 4,368 | 5,494 | 7,824 |
| Engravers | 13,967 | 15,053 | 19,437 |
| Lithographers | 8,138 | 8,222 | 8,868 |
| Pressmen and plate printers | 20,084 | 18,663 | 31,215 |
| Apprentices—printers' and bookbinders' | 12,395 | 11,603 | 10,928 |
| Needle trades,¹⁵ total | 793,867 | 505,668 | 374,792 |
| Dressmakers and seamstresses | 449,342 | 235,855 | 158,380 |
| Milliners and millinery dealers | 127,906 | 73,255 | 44,948 |
| Tailors and tailoresses | 204,608 | 192,232 | 169,283 |
| Apprentices—dressmakers' and milliners' | 12,011 | 4,326 | 2,181 |
| Food workers, total | 112,683 | 121,212 | 156,746 |
| Bakers | 89,531 | 97,940 | 140,800 |
| Millers | 23,152 | 23,272 | 15,946 |
| Glass and stone workers, total | 51,295 | 31,243 | 26,156 |
| Glass blowers | 15,564 | 9,144 | 3,268 |
| Stone cutters | 35,731 | 22,099 | 22,888 |
| Miscellaneous, total | 540,480 | 705,470 | 1,161,410 |
| Genemen, derrickmen, hoistmen | 16 | 37,888 | 60,886 |
| Dyers | 14,050 | 15,109 | 17,719 |
| Enamellers, lacquerers and japanners | 2,999 | 4,137 | 5,758 |
| Foremen and overseers | 175,997 | 308,137 | 338,504 |
| Loom fixers | 13,254 | 15,961 | 19,215 |
| Mechanics | ..... | ..... | ..... |
| Automobile factories | ..... | ..... | 33,338 |
| Automobile repair shops | ..... | ..... | 164,511 |

APPENDIX TABLE III

205

| | 1910 | 1920 | 1930 |
|--|------------------|---------------------|------------------|
| Railroad and car shops | ..... | ..... | 4,215 |
| Other industries | ..... | ..... | 218,812 |
| Motion picture production helpers | ..... | ..... | 2,213 |
| Others of machinery | 14,013 | 24,612 | 31,210 |
| Painters, glaziers, and varnishers (factory) | 60,915 | 70,398 | 93,068 |
| Piano and organ tuners | 6,633 | 7,047 | 6,823 |
| Shoemakers and cobblers (not in factory) | 69,570 | 78,859 | 76,388 |
| Skilled occupations not elsewhere classified | 10,175 | 12,348 | 12,258 |
| Stationary engineers | 231,041 | 242,096 | 256,078 |
| Stationary firemen | 111,248 | 143,875 | 127,294 |
| Apprentices | ..... | ..... | ..... |
| Building and hand trades | 6,582 | 5,255 | 8,591 |
| Other | ..... | 47,885 ¹ | 23,033 |
| Operatives and laborers attached to specified industries, total | 5,473,220 | 6,728,465 | 7,456,836 |
| Chemical and allied industries, total | 120,761 | 204,729 | 269,385 |
| Charcoal and coke | 13,080 | 11,106 | 6,370 |
| Explosives, ammunition and fireworks | 9,540 | 15,846 | 10,951 |
| Fertilizers | 10,482 | 14,350 | 19,781 |
| Gas works | 22,281 | 28,307 | 42,793 |
| Paint and varnish | 6,879 | 10,362 | 14,468 |
| Petroleum refining | 12,954 | 40,686 | 66,090 |
| Rayon factories | ..... | ..... | 25,902 |
| Soap | 7,876 | 11,003 | 10,088 |
| Other chemical factories | 37,669 | 73,069 | 72,942 |
| Cigar and tobacco factories, total | 168,193 | 180,379 | 124,296 |
| Clay, glass and stone industries, total | 243,517 | 209,978 | 242,007 |
| Brick, tile and terra-cotta | 66,511 | 58,623 | 72,427 |
| Glass | 91,361 | 73,768 | 68,961 |
| Lime, cement and artificial stone | 44,692 | 37,684 | 50,029 |
| Marble and stone yards | 15,454 | 10,630 | 16,065 |
| Potteries | 25,499 | 29,273 | 34,525 |
| Clothing industries, total | 396,376 | 422,137 | 504,202 |
| Corsets | 13,907 | 13,413 | 11,271 |
| Gloves | 20,209 | 25,114 | 19,624 |
| Hats (felt) | 34,779 | 22,167 | 27,596 |
| Shirts, collars and cuffs | 62,353 | 55,085 | 59,607 |
| Suits, coats and overalls | 140,962 | 147,856 | 110,567 |

EBB AND FLOW IN TRADE UNIONISM

TABLE III—Continued

| | 1910 | 1920 | 1930 |
|--|----------------|------------------|------------------|
| Other clothing | 124,166 | 158,502 | 275,537 |
| Food and allied industries, total | 237,658 | 374,615 | 379,302 |
| Bakeries | 13,448 | 28,756 | 40,263 |
| Butter, cheese and condensed milk | 16,414 | 34,031 | 43,140 |
| Candy | 33,921 | 58,865 | 50,022 |
| Fish curing and packing | 7,646 | 13,886 | 12,968 |
| Flour and grain mills | 13,235 | 26,233 | 22,869 |
| Fruit and vegetable canning, etc. | 9,960 | 23,262 | 38,292 |
| Slaughter and packing houses | 59,800 | 109,539 | 96,104 |
| Sugar factories and refineries | 10,656 | 19,539 | 13,076 |
| Other food factories | 22,248 | 34,319 | 42,866 |
| Liquor and beverage industries | 50,360 | 26,185 | 19,702 |
| Iron and steel, machinery and vehicle industries, total | 851,981 | 1,419,593 | 1,313,529 |
| Agricultural implements | 15,933 | 19,131 | 19,655 |
| Automobile factories | 36,874 | 204,505 | 285,674 |
| Automobile repair shops | ..... | ..... | 22,105 |
| Blast furnaces, tinsplate and steel rolling mills | 272,665 | 352,457 | 342,390 |
| Car and railroad shops | 96,135 | 151,622 | 102,797 |
| Ship and boat building | 26,513 | 166,862 | 37,321 |
| Wagon and carriage factories | 34,730 | 19,247 | 4,185 |
| Other factories, including iron foundries | 292,779 | 425,057 | 420,725 |
| Not specified metal industries | 76,362 | 80,712 | 78,677 |
| Leather industries, total | 289,075 | 333,870 | 306,119 |
| Harness and saddle factories | 23,948 | 20,020 | 7,665 |
| Leather belts, leather goods, etc. | 13,461 | 20,767 | 18,463 |
| Shoe factories | 191,287 | 225,435 | 228,317 |
| Tanneries | 54,450 | 59,706 | 45,802 |
| Trunk, suitcase and bag factories | 5,929 | 7,942 | 5,872 |
| Lumber and furniture industries, total | 485,515 | 489,332 | 510,996 |
| Furniture | 68,258 | 90,989 | 115,037 |
| Pianos and organs | 23,412 | 25,173 | 9,841 |
| Saw and planing mills and wooden box factories | 326,202 | 303,003 | 310,727 |
| Other woodworking | 67,643 | 70,167 | 75,391 |
| Metal industries, except iron and steel, total | 114,588 | 159,178 | 154,250 |
| Brass mills | 27,770 | 35,967 | 29,643 |
| Clock and watch factories | 17,507 | 21,352 | 16,582 |

APPENDIX TABLE III

| | 1910 | 1920 | 1930 |
|--|----------------|----------------|------------------|
| Copper factories | 13,554 | 13,949 | 10,963 |
| Gold and silver factories | 7,108 | 8,511 | 7,101 |
| Jewelry factories | 11,502 | 16,504 | 14,376 |
| Lead and zinc factories | 9,860 | 11,391 | 10,130 |
| Tinware, enamelware, etc. | 18,198 | 36,961 | 43,471 |
| Other metal factories | 9,089 | 14,543 | 21,984 |
| Paper, printing and allied industries, total | 162,922 | 222,607 | 235,284 |
| Blank books, envelopes, tags, etc. | 11,589 | 17,149 | 21,053 |
| Paper and pulp mills | 67,771 | 106,932 | 115,667 |
| Paper box factories | 19,320 | 23,836 | 16,871 |
| Printing, publishing and engraving | 64,242 | 74,690 | 81,693 |
| Textile industries, total | 776,699 | 945,707 | 937,903 |
| Cotton mills | 317,953 | 378,769 | 358,020 |
| Knitting mills | 95,670 | 119,547 | 143,418 |
| Silk mills | 83,177 | 125,801 | 136,848 |
| Textile dyeing, finishing and printing | 26,329 | 28,341 | 27,184 |
| Woolen and worsted mills | 117,476 | 148,645 | 115,574 |
| Carpet mills | 41,116 | 27,340 | 33,437 |
| Hemp, jute and linen mills | 8,805 | 8,454 | 5,464 |
| Lace and embroidery mills | 16,732 | 20,027 | 11,986 |
| Rope and cordage mills | 10,314 | 12,722 | 8,390 |
| Sail, awning and tent factories | 3,629 | 3,826 | 4,996 |
| Other and not specified mills | 55,498 | 72,235 | 92,586 |
| Miscellaneous manufacturing industries, total | 471,546 | 936,830 | 1,011,956 |
| Broom and brush factories | 12,728 | 15,406 | 12,108 |
| Button factories | 12,566 | 14,384 | 8,694 |
| Electric light and power plants | 17,056 | 31,366 | 84,934 |
| Electrical machinery and supply factories | 36,111 | 91,630 | 154,212 |
| Rubber factories | 45,139 | 137,671 | 109,958 |
| Straw factories | 6,328 | 14,679 | 1,966 |
| Turpentine farms and distilleries | 35,411 | 26,968 | 38,988 |
| Other miscellaneous manufacturing industries | 103,287 | 206,305 | 195,331 |
| Other not specified manufacturing industries | 202,920 | 398,411 | 405,765 |
| Building construction | | | |
| Laborers and helpers | | | 419,802 |
| Operatives | 11,733 | 7,003 | 18,442 |

18

16

TABLE III—Continued

| | 1910 | 1920 | 1930 |
|--|-----------------------|-----------------------|------------------|
| Canals, docks, and harbors | | | |
| Laborers | 14,267 | 5,966 | 11,329 |
| Roads, streets, etc., building and repairing | | | |
| Foremen and overseers | 7,064 | 9,538 | 23,250 |
| Laborers | 180,468 | 115,836 | 290,354 |
| Other occupations | 5,076 | 4,435 | 8,565 |
| Miscellaneous manufacturing and mechanical industries | | | |
| General and not specified laborers | 935,781 ¹⁸ | 686,722 ¹³ | 695,865 |
| Transportation and Communication, total | 2,254,204 | 2,705,906 | 3,368,162 |
| Transportation, total | 2,002,269 | 2,316,920 | 2,843,788 |
| Air transportation, total | ..... | ..... | 5,196 |
| Foremen and overseers | ..... | ..... | 181 |
| Laborers at airports and flying fields | ..... | ..... | 1,609 |
| Mechanics at airports | ..... | ..... | 3,406 |
| Motor and wagon transportation, total | 572,524 | 772,766 | 1,404,543 |
| Bus conductors | ..... | ..... | 1,002 |
| Chauffeurs, truck and tractor drivers ¹⁹ | 45,785 | 285,045 | 972,418 |
| Draymen, teamsters and carriage drivers ¹⁹ | 443,845 | 420,189 | 111,224 |
| Garage laborers | 4,468 | 31,450 | 66,693 |
| Garage mechanics | ..... | ..... | 196,339 |
| Hostlers and stablehands | 63,388 | 16,976 | 6,654 |
| Laborers in truck, transfer and cab companies | ²⁴ | ²⁴ | 40,970 |
| Teamsters and haulers in timber camps | 15,038 | 17,106 | 9,243 |
| Steam railroads, total | 1,140,898 | 1,203,383 | 1,119,538 |
| Baggagemen | 12,273 | 11,878 | 9,214 |
| Boiler washers and engine hostlers | 10,409 | 25,305 | 18,300 |
| Brakemen | 92,572 | 114,107 | 88,197 |
| Conductors | 65,604 | 74,539 | 73,332 |
| Foremen and overseers | 65,260 | 73,046 | 73,910 |
| Inspectors | 27,661 | 42,721 | 39,079 |
| Laborers, including construction | 543,168 | 470,199 | 435,058 |
| Locomotive engineers | 96,229 | 109,899 | 101,201 |
| Locomotive firemen | 76,381 | 91,345 | 67,096 |
| Mechanics | ..... | ..... | 12,482 |

APPENDIX TABLE III

209

| | 1910 | 1920 | 1930 |
|--|----------------------|----------------------|----------------|
| Motormen | 2,487 | 3,560 | 2,754 |
| Porters | 17,298 | 22,513 | 27,648 |
| Switchmen and flagmen | 73,419 | 101,917 | 92,217 |
| Ticket and station agents | 24,138 | 26,585 | 27,160 |
| Yardmen | 9,575 | 7,148 | 7,948 |
| Other occupations | 24,424 | 28,621 | 42,619 |
| Apprentices | ..... | .. | 1,323 |
| Street railways, total | 155,238 | 173,691 | 151,372 |
| Conductors | 56,932 | 63,760 | 35,697 |
| Foremen and overseers | 4,673 | 6,248 | 5,827 |
| Inspectors | 2,268 | 3,451 | 3,330 |
| Laborers, including construction | 27,807 | 25,514 | 27,416 |
| Mechanics | ..... | ..... | 5,150 |
| Motormen | 56,218 | 62,959 | 57,969 |
| Switchmen and flagmen | 2,153 | 2,500 | 2,608 |
| Other occupations | 5,187 | 9,259 | 13,375 |
| Water transportation, total | 133,609 | 167,080 | 163,139 |
| Captains, masters, mates and pilots | 24,242 | 26,320 | 24,485 |
| Longshoremen and stevedores | 62,857 | 85,928 | 73,954 |
| Sailors and deck hands | 46,510 | 54,832 | 64,700 |
| Communication²¹, total | 232,788 | 355,165 | 452,500 |
| Telephone and telegraph, total | 217,122 | 331,645 | 433,027 |
| Foremen and overseers | 3,843 | 6,822 | 11,172 |
| Inspectors | 2,619 | 2,821 | 4,173 |
| Laborers | 5,312 | 5,088 | 12,674 |
| Linemen | 28,350 | 37,917 | 71,625 |
| Telegraph messengers | 9,152 | 9,403 | 16,176 |
| Telegraph operators | 69,953 ²² | 79,434 ²³ | 67,821 |
| Telephone operators | 97,893 | 190,160 | 248,884 |
| Apprentices | ..... | .. | 502 |
| Express, total | 15,666 | 23,520 | 19,473 |
| Agents | 5,875 | 5,293 | 4,176 |
| Laborers | 3,010 | 9,089 | 7,086 |
| Messengers | 6,781 | 9,138 | 8,211 |
| Other transportation and communication, total | 19,147 | 33,821 | 71,874 |

TABLE III—Continued

| | 1910 | 1920 | 1930 |
|---|------------------|------------------|------------------|
| Foremen and overseers | 10,437 | 13,483 | 17,532 |
| Inspectors | 689 | 1,240 | 5,538 |
| Laborers | 1,361 | 5,920 | 4,661 |
| Pipe line laborers | 2,605 | 7,369 | 13,704 |
| Radio and wireless operators | 23 | 23 | 4,955 |
| Other occupations | 4,055 | 5,809 | 21,138 |
| Apprentices | ..... | 11 | 4,326 |
| Public Service (selected occupations)²³ total | 421,136 | 704,962 | 822,293 |
| Firemen | 35,606 | 50,771 | 73,008 |
| Garbage men and scavengers | 4,227 | 5,481 | 9,163 |
| Guards, watchmen and doorkeepers | 78,271 | 115,553 | 148,115 |
| Mail carriers | 80,678 | 91,451 | 121,333 |
| Police men | 61,980 | 82,120 | 131,687 |
| Soldiers, sailors and marines ²⁴ | 77,153 | 225,503 | 132,830 |
| Street cleaners | 9,946 | 11,196 | 16,673 |
| Other laborers | 63,007 | 101,434 | 147,847 |
| Other pursuits | 10,268 | 21,453 | 41,637 |
| Clerical and Commercial Service, total | 3,386,226 | 4,936,385 | 6,759,332 |
| Bookkeepers and cashiers | 447,461 | 616,237 | 739,077 |
| Clerks in stores | 387,183 | 413,918 | 401,991 |
| Other clerks ²⁵ | 720,498 | 1,487,905 | 1,997,000 |
| Deliverymen ²⁶ | 229,619 | 170,235 | 180,017 |
| Floorwalkers and foremen in stores | 17,946 | 20,604 | 32,564 |
| Foremen in warehouses, stockyards, etc. | 2,778 | 5,833 | 5,599 |
| Inspectors, gaugers and samplers | 13,446 | 13,714 | 16,743 |
| Laborers, porters and helpers in stores | 102,333 | 125,007 | 208,688 |
| Laborers in coal, lumber and stockyards, etc. | 81,123 | 125,609 | 113,669 |
| Meat cutters | 15,405 | 23,884 | 45,108 |
| Messenger, errand and office boys | 108,035 | 113,022 | 90,379 |
| Newsboys | 29,708 | 27,961 | 36,993 |
| Railway mail clerks | 15,240 | 15,867 | 17,397 |
| Salesmen and saleswomen | 877,238 | 1,125,782 | 1,988,332 |
| Stenographers and typists | 316,693 | 615,154 | 811,190 |
| Other pursuits in trade | 21,520 | 36,653 | 70,141 |
| Apprentices in wholesale and retail trade | ..... | 11 | 2,444 |
| Other Service Industries | | | |
| Recreation and amusement, total | 9,114 | 11,024 | 32,903 |

APPENDIX TABLE III

| | 1910 | 1920 | 1930 |
|---|---------------------|---------------------|----------------------|
| Pool room, etc. attendants | | | 16,166 |
| Stage hands and circus helpers | 6,836 | 5,803 | 4,274 |
| Theatre ushers | 2,278 | 5,221 | 12,461 |
| Professional service, total | 39,584 | 88,209 | 223,565 |
| Dentists', librarians' and doctors' assistants | 9,487 | 16,038 | 29,622 |
| Social, welfare and religious workers | 15,970 | 41,078 | 62,531 |
| Technicians and laboratory assistants | 27 | 27 | 15,988 |
| Miscellaneous occupations, professional | 8,254 | 18,409 | 47,942 |
| Miscellaneous occupations, semi-professional and recreational | 4,720 | 4,257 | 10,521 |
| Miscellaneous attendants and helpers | ..... | 4,650 | 50,370 |
| Apprentices to professional persons | 1,153 | 3,777 ¹ | 6,591 |
| Domestic and personal service, total | 3,429,669 | 3,066,828 | 4,546,220 |
| Barbers, hairdressers, and manicurists | 195,275 | 216,211 | 374,290 |
| Building service | | | |
| Charwomen and cleaners | 34,034 | 36,803 | 61,932 |
| Elevator tenders | 25,035 | 40,713 | 67,614 |
| Janitors and sextons | 113,081 | 178,628 | 309,625 |
| Dyeing, cleaning and pressing shop workers | 14,860 ² | 21,667 ³ | 66,002 |
| Housekeepers and stewards | 189,273 | 221,612 | 256,746 |
| Laborers | 53,480 | 32,893 | 126,963 ⁴ |
| Laundry workers | 112,264 | 120,715 | 220,131 |
| Midwives and untrained nurses | 133,043 | 156,769 | 157,009 |
| Servant classes | | | |
| Boothacks | 14,020 | 15,175 | 18,784 |
| Launderers | 533,697 | 396,756 | 361,033 |
| Porters ⁵ | 66,830 | 65,655 | 99,840 |
| Waiters | 188,293 | 228,985 | 393,288 |
| Cooks | 450,440 | 398,475 | 565,392 |
| Servants | 1,121,785 | 872,471 | 1,333,741 |
| Other occupations | 184,259 | 63,300 | 33,830 |

¹ Reclassified from the Fifteenth Census of the U. S.: 1930, Population, Volume V, General Report on Occupations. For a summary of this classification, see above, Table 35.

² An indeterminate number of professional workers are salaried employees and not self-employed workers. These amounted to probably as many as 700,000 in 1930.

³ Aviators are included with actors and showmen in 1910.

⁴ Osteopaths are included with physicians and surgeons in 1910.

⁵ Managers and superintendents of retail stores are included.

⁶ Proprietors in these industries could not be separated from managers and officials.

⁷ Proprietors, managers and officials of advertising agencies and stockyards are included with those in miscellaneous trade pursuits in 1910 and 1920.

⁸ Proprietors, managers and officials were not classified separately from other persons attached to the dyeing and cleaning

TABLE III—Continued

| | |
|--|---|
| <p>industry in 1910 and 1920. The total number of persons reported in those years is included under employees in domestic and personal service.</p> <p>⁹ Advertising agents and county agents and farm demonstrators are included with agents, collectors and credit men in 1910 and 1920.</p> <p>¹⁰ Managers and officials of real estate companies are included with real estate agents.</p> <p>¹¹ An indeterminate and probably large number of these workers are proprietors, managers, officials, independent, salaried and commissioned workers.</p> <p>¹² Unpaid family workers on farms are not included. These workers do not appear anywhere in this table.</p> <p>¹³ Many of the machinists' apprentices probably are machine tenders.</p> <p>¹⁴ Cement finishers are included with brick and stone masons and tile layers in 1910.</p> <p>¹⁵ Only those needle trades pursued outside of the factory are included.</p> <p>¹⁶ In 1910, <i>craneemen</i>, <i>derrickmen</i> and <i>hoistmen</i> are included with the other operatives in the industries in which they worked.</p> <p>¹⁷ The group of other apprentices in miscellaneous manufacturing and mechanical industries includes in 1920 the following groups of apprentices separately classified in 1930: steam railroads, telegraph and telephone, other transportation and communication, wholesale and retail trade, and apprentices to miscellaneous professional persons.</p> <p>¹⁸ In 1910 and 1920 building construction laborers and helpers were not reported separately. They were included with general and not specified laborers in manufacturing and mechanical industries.</p> | <p>¹⁹ Neither in 1910, 1920 nor 1930 was the attempt by the Census Bureau to distinguish chauffeurs and motor truck drivers from draymen, teamsters, and carriage drivers and from deliverymen very successful. Teamsters in agriculture and the extraction of minerals are included with the other workers in those industries. Drivers for bakeries, stores, and laundries are classified as deliverymen under clerical and commercial service.</p> <p>²⁰ These workers are included with draymen, teamsters, and carriage drivers in 1910 and 1920.</p> <p>²¹ The postal service is not included.</p> <p>²² Radio and wireless operators are included with telegraph operators in 1910 and 1920.</p> <p>²³ This group does not include many public employees who are otherwise classified; postal clerks, for example, are classified as clerks, and teachers as professional workers.</p> <p>²⁴ Only those soldiers, sailors, and marines resident in the continental United States at the date of enumeration are included.</p> <p>²⁵ Postal and railway clerks are included in this group.</p> <p>²⁶ These workers are included with servants and classified under domestic and personal service in 1910 and 1920.</p> <p>²⁷ Technicians and laboratory assistants in 1910 and 1920 are distributed by the Census Bureau among three groups—operatives in miscellaneous chemical factories, miscellaneous occupations in semi-professional pursuits, and 'other clerks' in clerical and commercial service.</p> <p>²⁸ This group covers laborers in professional service and in recreation and amusement as well as in domestic and personal service.</p> <p>²⁹ Porters in stores and on the railroads are not included.</p> |
|--|---|

APPENDIX TABLE IV

213

TABLE IV

MEMBERSHIP OF AMERICAN TRADE UNIONS,
UNITED STATES AND CANADA, 1930¹

| NAME OF UNION | TOTAL MEMBERSHIP | CANADA | UNITED STATES |
|------------------------------------|---------------------|--------|---------------|
| Actors and Artists | 9,700 | ..... | 9,700 |
| Asbestos Workers | 3,300 | 200 | 3,100 |
| Bakery and Confectionery Workers | 19,900 | 300 | 19,600 |
| Barbers | 51,200 | 1,600 | 49,600 |
| Bill Posters | 1,600 | 300 | 1,300 |
| Blacksmiths | 5,000 | 1,200 | 3,800 |
| Boilermakers and Iron Shipbuilders | 19,300 | 2,900 | 16,400 |
| Bookbinders | 14,000 | 800 | 13,200 |
| Boot and Shoe Workers | 32,200 | 1,100 | 31,100 |
| Brewery Workers | 15,300 | 800 | 14,500 |
| Brick and Clay Workers | 4,200 | ..... | 4,200 |
| Bricklayers and Masons | 90,000 | 5,600 | 84,400 |
| Bridge and Iron Workers | 20,900 | 600 | 20,300 |
| Broom Makers | 500 | ..... | 500 |
| Building Service Employees | 16,200 | ..... | 16,200 |
| Carpenters, United | 303,200 | 13,900 | 289,300 |
| Cigar Makers | 11,600 | 300 | 11,300 |
| Cloth Hat and Cap Makers | 5,900 | 200 | 5,700 |
| Clothing Workers, Amalgamated | 100,000 | 7,000 | 93,000 |
| Colored Railway Trainmen | 2,000 | ..... | 2,000 |
| Commercial Telegraphers | 4,000 | 1,800 | 2,200 |
| Conductors, Dining Car | 800 | ..... | 800 |
| Conductors, Sleeping Car | 1,900 | ..... | 1,900 |
| Coopers | 700 | ..... | 700 |
| Diamond Workers | 400 | ..... | 400 |
| Draftsmen | 1,200 | ..... | 1,200 |
| Electrical Workers | 142,000 | 4,000 | 138,000 |
| Elevator Constructors | 10,200 | 400 | 9,800 |
| Engineers, Operating | 34,000 | 1,900 | 32,100 |
| Federal Employees | 33,500 | ..... | 33,500 |
| Fire Fighters | 18,000 | 2,500 | 15,500 |
| Firemen and Oilers | 9,000 | 900 | 8,100 |

EBB AND FLOW IN TRADE UNIONISM

TABLE IV—Continued

| NAME OF UNION | TOTAL MEMBERSHIP | | |
|--|------------------|---------------|--|
| | CANADA | UNITED STATES | |
| Flint Glass Workers | 100 | 4,800 | |
| Food Workers, Amalgamated | ..... | 7,500 | |
| Foundry Employees | ..... | 2,800 | |
| Fur Workers | 2,000 | 5,000 | |
| Garment Workers, United | 1,000 | 46,200 | |
| Glass Bottle Blowers | 200 | 5,800 | |
| Glove Workers | ..... | 800 | |
| Granite Cutters | 200 | 8,300 | |
| Hatters | ..... | 11,500 | |
| Hod Carriers | 600 | 95,400 | |
| Horsehoers | ..... | 700 | |
| Hotel and Restaurant Employees | 1,300 | 35,200 | |
| Iron, Steel and Tin Workers | 200 | 7,700 | |
| Jewelry Workers | 100 | 700 | |
| Lace Operatives | ..... | 1,300 | |
| Ladies Garment Workers, International | 3,500 | 47,300 | |
| Lathers, Wood and Metal | 300 | 12,200 | |
| Laundry Workers | ..... | 5,500 | |
| Leather Workers International, United | 100 | 4,900 | |
| Leather Workers of America, United | ..... | 1,000 | |
| Letter Carriers, National Association of | ..... | 50,800 | |
| Lithographers | 400 | 5,400 | |
| Local Trade and Federal Unions | ..... | 18,200 | |
| Locomotive Engineers | 5,900 | 71,200 | |
| Locomotive Firemen | 7,100 | 91,100 | |
| Longshoremen | 1,700 | 33,000 | |
| Machinists | 8,700 | 69,300 | |
| Maintenance of Way Employees | 16,400 | 23,700 | |
| Marble, Stone and Slate Workers | 100 | 7,600 | |
| Marine Engineers | ..... | 7,600 | |
| Masters, Mates and Pilots | ..... | 3,000 | |
| Meat Cutters | 100 | 12,400 | |
| Metal Engravers | ..... | 400 | |
| Metal Polishers | 100 | 5,900 | |
| Mine, Mill and Smelter Workers | ..... | 4,000 | |

APPENDIX TABLE IV

215

| NAME OF UNION | TOTAL MEMBERSHIP | CANADA | UNITED STATES |
|--|---------------------|--------|---------------|
| Mine Workers, United | 221,700 | 16,600 | 205,100 |
| Molders | 22,200 | 2,100 | 20,100 |
| Musicians | 100,000 | 5,600 | 94,400 |
| Oil and Gas Well Workers | 1,100 | ..... | 1,100 |
| Painters, Decorators and Paper Hangers | 106,200 | 2,100 | 104,100 |
| Paper Makers | 4,100 | 1,800 | 2,300 |
| Pattern Makers | 7,000 | 300 | 6,700 |
| Pavers | 2,000 | ..... | 2,000 |
| Paving Cutters | 2,400 | 200 | 2,200 |
| Photo Engravers | 9,000 | 400 | 8,600 |
| Piano and Organ Workers | 500 | 100 | 400 |
| Plasterers and Cement Finishers | 38,100 | 1,600 | 36,500 |
| Plumbers and Steam Fitters | 45,000 | 2,400 | 42,600 |
| Porters, Brakemen, and Switchmen | 1,000 | ..... | 1,000 |
| Postal Employees, National Alliance of | 4,600 | ..... | 4,600 |
| Postal Supervisors | 5,800 | ..... | 5,800 |
| Post Office Clerks, National Federation of | 44,800 | ..... | 44,800 |
| Post Office Clerks, United National Association of | 41,000 | ..... | 41,000 |
| Potters, Operative | 5,800 | ..... | 5,800 |
| Powder Workers | 200 | ..... | 200 |
| Printing Pressmen | 40,000 | 4,500 | 35,500 |
| Pulp and Paper Mill Workers | 5,000 | 1,500 | 3,500 |
| Quarry Workers | 3,000 | 100 | 2,900 |
| Railroad Signalmen | 10,500 | 300 | 10,200 |
| Railroad Station Employees | 3,500 | ..... | 3,500 |
| Railroad Telegraphers | 41,000 | 8,300 | 32,700 |
| Railroad Trammens | 179,700 | 15,000 | 164,700 |
| Railroad Yardmasters | 600 | ..... | 600 |
| Railway Carmen | 50,400 | 14,400 | 36,000 |
| Railway Clerks | 97,000 | 4,400 | 92,600 |
| Railway Conductors | 51,300 | 3,300 | 48,000 |
| Railway Mail Association | 19,800 | ..... | 19,800 |
| Retail Clerks | 10,000 | 300 | 9,700 |
| Roofers, Composition | 4,000 | ..... | 4,000 |
| Rural Letter Carriers Association, National | 39,800 | ..... | 39,800 |
| Rural Letter Carriers, National Federation of | 800 | ..... | 800 |
| Seamen | 15,000 | 200 | 14,800 |

TABLE IV—Continued

| NAME OF UNION | TOTAL MEMBERSHIP | |
|--|------------------|------------------|
| | CANADA | UNITED STATES |
| Silk Workers | ..... | 2,000 |
| Sheet Metal Workers | 1,100 | 23,900 |
| Shoe Workers Protective | ..... | 6,100 |
| Siderographers | ..... | 100 |
| Spinners, Mule | ..... | 2,000 |
| Steel Plate Printers | ..... | 1,200 |
| Stereotypers | 7,900 | 7,600 |
| Stone Cutters | 4,800 | 4,300 |
| Stone Mounters | 1,000 | 1,000 |
| Street and Electric Railway Employees | 10,000 | 87,200 |
| Switchmen | 100 | 9,100 |
| Tailors, Journeymen | 300 | 6,400 |
| Teachers, American Federation of | ..... | 5,200 |
| Teamsters and Chauffeurs | 1,200 | 97,600 |
| Textile Workers, United | 100 | 29,900 |
| Theatrical Stage Employees | 800 | 23,200 |
| Tobacco Workers | ..... | 2,500 |
| Train Dispatchers | ..... | 3,800 |
| Typographical Union | 4,700 | 72,800 |
| Upholsterers | 300 | 10,400 |
| Wall Paper Crafts | ..... | 600 |
| Window Glass Cutters League | ..... | 700 |
| Window Glass Cutters and Flatteners Protective Association | ..... | 300 |
| Wire Weavers | ..... | 400 |
| Wood Carvers | ..... | 1,200 |
| Grand Total | 203,300 | 3,189,500 |

¹The figures of total membership in this table are taken from the Appendix, Table I. The Canadian membership is from the *Twentieth Annual Report on Labour Organization in Canada, 1930*, published by the Department of Labour of Canada. Membership in the United States is obtained by subtracting Canadian from total membership.

TABLE V
 EXTENT OF TRADE UNION ORGANIZATION AMONG EMPLOYEES IN THE PRINCIPAL
 DIVISIONS OF INDUSTRY,¹ 1910, 1920, AND 1930

| | 1910 | 1920 | 1930 |
|---|---------|-----------|---------|
| A. MINING, QUARRYING, CRUDE PETROLEUM AND GAS PRODUCTION | | | |
| Coal mining | | | |
| Number of employees | 613,924 | 733,936 | 621,661 |
| Union membership | | | |
| United Mine Workers | 226,000 | 373,800 | 205,100 |
| Total, union membership | 226,000 | 373,800 | 205,100 |
| Percentage organized | 36.8 | 50.9 | 33.0 |
| Other mining | | | |
| Number of employees | 191,906 | 148,847 | 122,844 |
| Union membership | | | |
| Mine, Mill and Smelter Workers | ..... | 20,700 | 4,000 |
| Western Federation of Miners | 28,600 | ..... | ..... |
| Total, union membership | 28,600 | 20,700 | 4,000 |
| Percentage organized | 14.9 | 13.9 | 3.3 |
| Quarrying | | | |
| Number of employees | 80,840 | 45,162 | 65,288 |
| Union membership | | | |
| Quarry Workers | 4,900 | 2,600 | 2,900 |
| Slate Workers | 1,400 | ..... | ..... |
| Total, union membership | 6,300 | 2,600 | 2,900 |
| Percentage organized | 7.8 | 5.8 | 4.4 |
| Crude petroleum and gas production | | | |
| Number of employees | 25,562 | 85,550 | 105,254 |
| Union membership | | | |
| Oil and Gas Well Workers | ..... | 20,900 | 1,100 |
| Total, union membership | ..... | 20,900 | 1,100 |
| Percentage organized | ..... | 24.4 | 1.0 |
| TOTAL, MINING, QUARRYING, AND CRUDE PETROLEUM AND GAS PRODUCTION | | | |
| Number of employees ² | 939,935 | 1,055,898 | 953,427 |
| Total, union membership | 260,900 | 418,000 | 213,100 |
| Percentage organized | 27.8 | 39.6 | 22.4 |

TABLE V—Continued

| | 1910 | 1920 | 1930 |
|---|------------|------------|------------|
| B. MANUFACTURING AND MECHANICAL INDUSTRIES, INCLUDING CONSTRUCTION³ | | | |
| Number of employees ⁴ | 10,209,151 | 12,140,420 | 13,517,512 |
| Union membership | 459,000 | 848,300 | 871,200 |
| Building trades unions | 21,000 | 146,600 | 35,200 |
| Textile unions | 196,300 | 757,600 | 171,600 |
| Metal, machinery, and shipbuilding unions ⁵ | 46,800 | 109,600 | 43,100 |
| Leather and shoe unions | 97,800 | 357,600 | 215,900 |
| Clothing unions | 121,000 | 176,100 | 60,300 |
| Food, liquor, and tobacco unions | 28,000 | 23,900 | 12,700 |
| Lumber and woodworking unions | 89,700 | 149,000 | 150,800 |
| Paper, printing, and bookbinding unions | 60,100 | 51,000 | 34,400 |
| Chemical, clay, glass, and stone unions | | | |
| Transportation unions | | | |
| Tunnel Constructors | 1,300 | 3,000 | ..... |
| Paving Cutters | 3,200 | 2,500 | 2,000 |
| Pavers and Rammermen | 1,500 | 1,800 | 2,200 |
| Steam Shovel and Dredgemen | 1,300 | 6,600 | ..... |
| Miscellaneous unions | | | |
| Horseshoers | 7,200 | 5,400 | 700 |
| Brushmakers | 200 | ..... | ..... |
| Broom Makers | 600 | 1,400 | 500 |
| Firemen and Others | 8,100 | 28,600 | 8,100 |
| Operating Engineers | 16,000 | 30,000 | 32,100 |
| Total, union membership | 1,159,100 | 2,699,000 | 1,640,800 |
| Percentage organized | 11.4 | 22.2 | 12.2 |
| C. TRANSPORTATION AND COMMUNICATION | | | |
| Motor and wagon transportation | | | |
| Number of employees ⁶ | 802,143 | 943,001 | 1,584,560 |
| Union membership | 35,800 | 110,100 | 97,600 |
| Teamsters and Chauffeurs | 35,800 | 110,100 | 97,600 |
| Total, union membership | 35,800 | 110,100 | 97,600 |
| Percentage organized | 4.5 | 11.7 | 6.2 |
| Steam railroads | | | |
| Number of employees | 1,140,898 | 1,203,383 | 1,119,538 |
| Union membership | ..... | ..... | 2,000 |
| Colored Railway Trainmen | ..... | ..... | 800 |
| Dining Car Conductors | ..... | ..... | 71,200 |
| Locomotive Engineers | 67,400 | 80,400 | |

APPENDIX TABLE V

| | 1910 | 1920 | 1930 |
|---------------------------------------|-----------|-----------|-----------|
| Locomotive Firemen | 69,200 | 117,100 | 91,100 |
| Maintenance of Way Employees | 8,700 | 144,600 | 23,700 |
| Porters, Brakemen and Switchmen | ..... | ..... | 1,000 |
| Railway Conductors | 46,000 | 52,500 | 48,000 |
| Railroad Patrolmen | ..... | 2,600 | ..... |
| Railroad Signalmen | 1,200 | 12,100 | 10,200 |
| Railroad Station Employees | ..... | 35,200 | 3,500 |
| Railroad Stationmen | ..... | 1,600 | ..... |
| Railroad Station Agents | 600 | 8,800 | ..... |
| Railroad Trainmen | 113,900 | 170,400 | 164,700 |
| Railroad Yardmasters | ..... | ..... | 600 |
| Railroad Yardmen | ..... | 1,200 | 1,900 |
| Sleeping Car Conductors | 8,000 | 13,900 | 9,100 |
| Switchmen | ..... | ..... | 3,800 |
| Train Dispatchers | ..... | ..... | 431,600 |
| Total, union membership | 315,000 | 640,400 | 38.6 |
| Percentage organized † | 27.6 | 53.2 | |
| Street railways | | | |
| Number of employees | 155,238 | 113,691 | 151,372 |
| Union membership | | | |
| Street and Electric Railway Employees | 36,700 | 86,800 | 87,200 |
| Total, union membership | 36,700 | 86,800 | 87,200 |
| Percentage organized | 23.6 | 50.0 | 57.6 |
| Water transportation | | | |
| Number of employees ‡ | 159,126 | 195,158 | 192,087 |
| Union membership | | | |
| Longshoremen | 20,800 | 70,300 | 33,000 |
| Marine Engineers | 10,000 | 17,000 | 7,600 |
| Masters, Mates and Pilots | 6,000 | 6,700 | 3,000 |
| Seamen | 16,000 | 63,900 | 14,800 |
| Total, union membership | 52,800 | 157,900 | 58,400 |
| Percentage organized | 33.2 | 80.9 | 30.4 |
| TOTAL, TRANSPORTATION | | | |
| Number of employees § | 2,257,405 | 2,515,233 | 3,052,753 |
| Total, union membership | 440,300 | 995,200 | 674,800 |
| Percentage organized | 19.5 | 39.6 | 22.1 |
| Communication | | | |
| Number of employees | 232,788 | 355,165 | 452,500 |

TABLE V—Continued

| | 1910 | 1920 | 1930 |
|---|-----------|-----------|-----------|
| Union membership | | | |
| Commercial Telegraphers | 1,000 | 2,900 | 2,200 |
| Railroad Telegraphers | 20,000 | 67,800 | 32,700 |
| Total, union membership | 21,000 | 70,700 | 34,900 |
| Percentage organized | 9.0 | 19.9 | 7.7 |
| D. SERVICE INDUSTRIES | | | |
| Clerical service | | | |
| Number of employees ¹⁰ | 1,607,927 | 2,848,185 | 3,655,043 |
| Union membership | | | |
| Post Office Clerks, National Federation of | 1,400 | 25,000 | 44,800 |
| Post Office Clerks, United | 21,000 | 29,000 | 41,000 |
| Railway Mail Association | ..... | 14,800 | 19,800 |
| Railway Clerks | 5,000 | 176,000 | 92,600 |
| Total, union membership | 27,400 | 244,800 | 198,200 |
| Percentage organized | 1.7 | 8.6 | 5.4 |
| Commercial service | | | |
| Number of employees ¹¹ | 1,548,680 | 1,917,965 | 2,924,272 |
| Union membership | | | |
| Retail Clerks | 15,000 | 20,400 | 9,700 |
| Total, union membership | 15,000 | 20,400 | 9,700 |
| Percentage organized | 1.0 | 1.1 | 0.3 |
| Professional service | | | |
| Number of employees ¹² | 1,653,339 | 2,089,049 | 3,079,538 |
| Union membership | | | |
| Actors and Artists | ..... | 9,000 | 9,700 |
| Actors Protective Union | ..... | ..... | ..... |
| Draftsmen | 1,100 | ..... | ..... |
| Musicians | ..... | 3,500 | 1,200 |
| Musical and Theatrical Union | ..... | 65,000 | 94,400 |
| Teachers, American Federation of | 40,000 | ..... | ..... |
| Vaudeville Artists | 2,000 | ..... | ..... |
| ..... | ..... | 8,600 | 5,200 |
| ..... | ..... | 10,000 | ..... |
| White Rats Actors Union | ..... | ..... | ..... |
| ..... | 8,000 | ..... | ..... |
| Total, union membership | 51,000 | 96,100 | 110,500 |
| Percentage organized | 3.1 | 4.6 | 3.6 |
| Domestic and personal service, recreation and amusement | | | |
| Number of employees | 3,438,783 | 3,077,832 | 4,579,123 |

APPENDIX TABLE V

221

| | 1910 | 1920 | 1930 |
|----------------------------------|-----------|-----------|------------|
| Union membership | | | |
| Barbers | | | |
| Building Service Employees | 26,500 | 42,700 | 49,600 |
| Food Worker, Amalgamated | ..... | ..... | 16,200 |
| Hotel and Restaurant Employees | ..... | ..... | 7,500 |
| Laundry Workers | 37,000 | 58,300 | 35,200 |
| Theatrical Stage Employees | 2,900 | 8,000 | 5,500 |
| Total, union membership | 9,100 | 19,100 | 23,200 |
| Percentage organized | 73,500 | 128,100 | 137,200 |
| | 2.2 | 4.2 | 3.0 |
| TOTAL, SERVICE INDUSTRIES | | | |
| Number of employees | 8,248,729 | 9,933,051 | 14,237,976 |
| Total, union membership | 169,000 | 489,400 | 455,600 |
| Percentage organized | 2.0 | 4.9 | 3.2 |

¹ The figures for the number of employees on which the calculations in this table are based may be found in the Appendix, Table III. Figures for union membership are from the Appendix, Table I.

² Includes inspectors, foremen, overseers, and other workers in salt wells and works.

³ The percentage of organization in each of the industrial subdivisions of this group cannot be determined because it is impossible to distribute the membership of many unions whose jurisdictional claims cover more than one industry among the appropriate industries.

⁴ Does not include stationary engineers engaged in water transportation who are classified in this table with the other employees in water transportation.

⁵ Does not include the draftsmen's union which is classified in this table with the unions in professional service.

⁶ Includes deliverymen.

⁷ This figure is a decided understatement since the highly organized shop crafts on steam railroads, railway clerks, railway mail clerks, and railroad telegraphers are not included. The two groups of railway clerks are classified under clerical service, the railroad telegraphers under communication, and the shop crafts under manufacturing and mechanical industries.

⁸ Includes boatmen, canalmen and lockkeepers, classified with 'other proprietors, managers, and officials' in the Appendix, Table III, and those stationary engineers who are engaged in water transportation. The latter amounted to 20,213 in 1910, and 23,305 in 1930. On the basis of a straight line interpolation, they are estimated at 21,759 in 1920.

⁹ Includes deliverymen, boatmen, canalmen, lockkeepers, and stationary engineers engaged in water transportation as well as those employees classified under transportation industries in the Appendix, Table III. Includes employees in air transportation in 1930, the only year for which such information is available.

¹⁰ Composed of clerks (except clerks in stores); bookkeepers and cashiers; stenographers and typists, messenger, errand and office boys and girls; and railway mail clerks.

¹¹ Composed of clerks in stores; newsboys; salespeople; laborers, porters and helpers in stores; inspectors, gaugers, and samplers; apprentices in wholesale and retail trade; floorwalkers and foremen in stores; foremen in warehouses, stockyards, etc.; laborers in coal, lumber and stockyards, etc.; and other pursuits in trade.

¹² Includes employees in professional service as well as professional workers.

EBB AND FLOW IN TRADE UNIONISM

TABLE VI
SELECTED OCCUPATIONS, EXTENT OF TRADE UNION ORGANIZATION, 1930¹

| OCCUPATION | NUMBER OF EMPLOYEES ² | UNION MEMBERS | NAME OF UNION | PERCENTAGE OF EMPLOYEES ORGANIZED |
|---|-------------------------------------|------------------|---|---|
| Actors and showmen | 75,296 | 9,700 | Actors and Artists | 12.9 |
| Bakers and bakery workers ³ | 181,063 | 19,600 | Bakery Workers | 10.8 |
| Barbers | 261,096 ⁴ | 49,600 | Barbers | 19.0 |
| Blacksmiths, forgemen and hammermen ⁵ | 148,151 | 4,500 | Blacksmiths, Drop Forgers and Helpers | 3.0 |
| | | 3,800 | Horseshoers | |
| | | 700 | | |
| Brick and stone masons and tile layers | 170,903 | 84,400 | Bricklayers and Masons | 49.4 |
| Carpenters and joiners ⁶ | 933,564 | 301,500 | Carpenters and Joiners | 32.3 |
| | | 289,300 | Lathers | |
| | | 12,200 | | |
| Compositors, linotypers and typesetters | 103,632 | 72,800 | Typographical Union | 39.6 |
| Coopers | 11,347 | 700 | Coopers | 6.2 |
| Electrical workers ⁷ | 605,437 | 138,000 | Electrical Workers | 22.8 |
| Electrotypers and stereotypers | 7,824 | 7,600 | Stereotypers and Electrotypers | 97.1 |
| Lithographers | 8,868 | 5,400 | Lithographers | 60.9 |
| Locomotive engineers and firemen | 168,297 | 162,300 | Locomotive Engineers | 96.4 |
| | | 71,200 | Locomotive Firemen | |
| | | 91,100 | | |
| Longshoremen and stevedores | 73,954 | 33,000 | Longshoremen | 44.6 |
| Machinists, millwrights and toolmakers ⁸ | 774,701 | 69,300 | Machinists | 8.9 |
| Mail carriers | 121,333 | 91,400 | National Association of Letter Carriers | 75.3 |
| | | 50,800 | National Federation of Rural Letter Carriers | |
| | | 800 | National Association of Rural Letter Carriers | |
| | | 39,800 | | |
| Metal polishers and buffers | 35,206 | 5,900 | Metal Polishers | 16.8 |
| Molders, founders and casters | 105,158 | 20,100 | Molders | 19.1 |
| Painters, decorators and paperhangers ⁹ | 557,259 | 104,100 | Painters, Decorators and Paperhangers | 18.7 |
| Pattern and model makers | 29,750 | 6,700 | Pattern Makers | 22.5 |
| Plasterers and cement finishers | 85,460 | 36,500 | Plasterers and Cement Finishers | 42.7 |
| Plumbers and gas and steam fitters ¹⁰ | 243,751 | 42,600 | Plumbers and Steam Fitters | 17.5 |

APPENDIX TABLE VI

| | | | |
|---|-----------|----------------------------------|------|
| Pressmen and plate printers ¹¹ | 42,143 | | 87.1 |
| | | Printing Pressmen and Assistants | |
| | | Plate Printers | |
| | | 36,700 | |
| | | 35,500 | |
| | | 1,200 | |
| Railway conductors | 73,332 | Railway Conductors | 69.1 |
| | | 48,000 | |
| | | 800 | |
| | | 1,900 | |
| | | Sleeping Car Conductors | |
| Stationary engineers | 256,078 | Operating Engineers | 12.5 |
| Stationary firemen ¹² | 158,504 | Firemen and Oilers | 5.1 |
| Teachers (school) | 1,044,016 | American Federation of Teachers | 0.5 |
| Teamsters and chauffeurs ¹³ | 1,272,902 | Teamsters and Chauffeurs | 7.7 |
| Upholsters | 51,452 | Upholsters | 20.2 |
| Waiters and cooks | 958,680 | Hotel and Restaurant Workers | 4.5 |
| | | 35,200 | |
| | | 7,500 | |
| | | Amalgamated Food Workers | |

¹ For similar data for 1910 and 1920 see Leo Wolman, *op. cit.*, pp. 156-61.

² See Appendix, Table III.

³ Includes bakers and operatives and laborers in bakeries.

⁴ Males only.

⁵ Includes blacksmiths, forgers, hammermen and blacksmiths' apprentices.

⁶ Includes carpenters and carpenters' apprentices.

⁷ Includes electricians, electricians' apprentices, telegraph and telephone operators.

⁸ Includes machinists, millwrights, toolmakers, die setters and

sinkers and machinists' apprentices.

⁹ Includes enamellers, lacquerers and japanners, painters in buildings and factories and paperhangers.

¹⁰ Includes plumbers, gas and steam fitters and plumbers' apprentices.

¹¹ Includes pressmen, plate printers, and printers' and bookbinders' apprentices.

¹² Includes firemen and oilers of machinery.

¹³ Includes chauffeurs, truck and tractor drivers, teamsters and haulers in timber camps, draymen, teamsters, carriage drivers and deliverymen.

TABLE VII
MANUFACTURING INDUSTRIES, EXTENT OF TRADE UNION ORGANIZATION, 1923-1933¹

| | 1923 | 1925 | 1927 | 1929 | 1931 | 1933 |
|---|---------|---------|---------|---------|---------|---------|
| CHEMICALS AND ALLIED PRODUCTS AND PRODUCTS OF PETROLEUM AND COAL | | | | | | |
| Number of Wage Earners | 384,857 | 381,178 | 395,091 | 428,084 | 350,516 | 347,933 |
| Union Membership | | | | | | |
| Powder Workers | 300 | 200 | 200 | 200 | 100 | 100 |
| Total Union Membership | 300 | 200 | 200 | 200 | 100 | 100 |
| Percentage organized | 0.1 | 2 | 3 | 3 | 3 | 3 |
| CLAY, GLASS AND STONE PRODUCTS | | | | | | |
| Number of Wage Earners | 351,692 | 353,036 | 350,017 | 328,417 | 222,856 | 173,000 |
| Union Membership | | | | | | |
| Brick and Clay Workers | 4,800 | 5,000 | 5,000 | 5,000 | 3,300 | 100 |
| Flint Glass Workers | 7,900 | 5,200 | 5,300 | 5,100 | 4,500 | 3,600 |
| Glass Bottle Blowers | 5,800 | 5,900 | 5,900 | 5,900 | 5,900 | 5,000 |
| Granite Cutters | 9,300 | 8,300 | 8,400 | 8,300 | 8,400 | 5,000 |
| Marble Workers | 2,300 | 3,200 | 4,800 | 6,200 | 7,600 | 6,200 |
| Operative Potlers | 9,000 | 8,100 | 7,200 | 6,600 | 5,400 | 6,000 |
| Stone Cutters | 3,900 | 4,200 | 4,600 | 4,600 | 3,900 | 4,700 |
| Window Glass Cutters and Flatteners | 700 | 1,300 | 600 | 500 | 300 | 200 |
| Window Glass Cutters and Flatteners Protective | 400 | 500 | 400 | 300 | ..... | ..... |
| Window Glass Cutters League | 5,000 | 2,000 | 2,000 | ..... | ..... | ..... |
| Window Glass Workers, National | 1,200 | 1,200 | 1,200 | 700 | 700 | 900 |
| Total Union Membership | 50,300 | 44,600 | 45,200 | 43,200 | 40,000 | 32,600 |
| Percentage organized | 14.3 | 12.6 | 12.9 | 13.2 | 17.9 | 18.8 |
| CLOTHING, EXCEPT BOOTS AND SHOES | | | | | | |
| Number of Wage Earners | 537,727 | 505,468 | 545,108 | 579,427 | 481,524 | 471,175 |
| Union Membership | | | | | | |
| Cloth Hat and Cap Workers | 16,400 | 9,200 | 10,100 | 6,200 | 5,600 | 6,100 |
| Clothing Workers, Amalgamated | 126,300 | 119,400 | 123,000 | 103,000 | 95,000 | 118,500 |
| Fur Workers | 8,300 | 11,100 | 6,700 | 800 | 6,900 | 3,100 |
| Garment Workers, United | 46,900 | 46,800 | 45,900 | 46,200 | 45,200 | 38,800 |
| Glove Workers | 200 | 300 | 600 | 800 | 500 | 500 |
| Hatters | 11,500 | 11,500 | 11,500 | 11,500 | 9,300 | 7,600 |
| Ladies Garment Workers | 74,500 | 75,100 | 52,100 | 30,800 | 44,500 | 144,300 |
| Tailors | 9,700 | 8,900 | 6,700 | 6,500 | 5,600 | 6,600 |
| Total Union Membership | 293,800 | 282,300 | 256,600 | 205,800 | 212,600 | 325,500 |
| Percentage organized | 54.6 | 55.8 | 47.1 | 35.5 | 44.2 | 69.1 |
| FOOD AND KINDRED PRODUCTS | | | | | | |
| Number of Wage Earners | 670,980 | 663,770 | 663,949 | 736,261 | 635,359 | 666,237 |

APPENDIX TABLE VII

225

| | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| Union Membership | 22,100 | 21,500 | 21,200 | 20,000 | 19,600 | 15,700 |
| Bakery Workers | 15,500 | 15,900 | 15,900 | 14,600 | 14,200 | 15,300 |
| Brewery Workers | 9,400 | 11,900 | 11,700 | 11,700 | 11,300 | 11,100 |
| Meat Cutters | 47,200 | 49,300 | 48,800 | 46,300 | 45,100 | 42,100 |
| Total Union Membership | 7.0 | 7.4 | 7.3 | 6.3 | 7.1 | 6.3 |
| Percentage organized | | | | | | |
| FOREST PRODUCTS | | | | | | |
| Number of Wage Earners | 931,816 | 921,266 | 862,667 | 876,383 | 509,665 | 454,171 |
| Union Membership | 70,000 | 70,000 | 70,000 | 70,000 | 65,000 | 45,000 |
| Carpenters | 1,600 | 1,200 | 1,000 | 800 | 700 | 700 |
| Coopers | 3,700 | 4,300 | 4,500 | 4,300 | 3,800 | 2,300 |
| Painters | 7,100 | 7,400 | 9,900 | 10,300 | 9,900 | 6,500 |
| Upholsterers | 800 | 900 | 1,100 | 1,200 | 1,100 | 800 |
| Wood Carvers | 83,200 | 83,800 | 86,500 | 86,500 | 80,500 | 55,300 |
| Total Union Membership | 8.9 | 9.1 | 10.0 | 9.9 | 15.3 | 12.2 |
| Percentage organized | | | | | | |
| IRON AND STEEL AND THEIR PRODUCTS, MACHINERY, TRANSPORTATION EQUIPMENT, AND RAILROAD REPAIR SHOPS | | | | | | |
| Number of Wage Earners | 2,930,125 | 2,727,446 | 2,645,505 | 2,953,662 | 1,974,580 | 1,641,949 |
| Union Membership | 4,000 | 3,500 | 3,500 | 3,800 | 4,100 | 3,800 |
| Blacksmiths | 16,900 | 15,100 | 13,000 | 14,100 | 14,500 | 12,200 |
| Boilermakers | 23,000 | 23,000 | 23,000 | 20,000 | 20,000 | 15,000 |
| Carpenters | 64,000 | 64,000 | 64,000 | 64,000 | 64,000 | 48,000 |
| Electrical Workers | 3,900 | 3,500 | 3,500 | 3,500 | 1,000 | 500 |
| Foundry Employees | 2,000 | 2,000 | 1,200 | 900 | 400 | 100 |
| Horseshoers | 11,300 | 11,200 | 9,600 | 8,900 | 5,800 | 4,600 |
| Iron, Steel and Tin Workers | ..... | 62,900 | 57,300 | 68,000 | 69,000 | 69,100 |
| Machinists | ..... | ..... | ..... | ..... | ..... | 1,200 |
| Marine and Shipbuilding Workers | ..... | ..... | ..... | ..... | ..... | ..... |
| Molders | 35,300 | 29,700 | 27,500 | 24,400 | 15,400 | 16,000 |
| Painters | 14,800 | 17,200 | 18,000 | 17,300 | 15,200 | 9,400 |
| Pattern Makers | 7,600 | 6,500 | 6,500 | 6,700 | 6,700 | 6,700 |
| Railway Carmen | 65,800 | 36,500 | 38,400 | 40,200 | 35,200 | 40,300 |
| Sawsmiths | 100 | ..... | ..... | ..... | ..... | ..... |
| Stove Mounters | 1,700 | 1,600 | 1,600 | 1,400 | 800 | 600 |
| Wire Weavers | 400 | 400 | 400 | 400 | 400 | 300 |
| Total union membership | 317,800 | 277,100 | 267,400 | 276,600 | 252,500 | 227,800 |
| Percentage organized | 10.8 | 10.2 | 10.1 | 9.4 | 12.3 | 13.9 |

EBB AND FLOW IN TRADE UNIONISM

TABLE VII—Continued.

| | 1923 | 1925 | 1927 | 1929 | 1931 | 1933 |
|--|---------|---------|---------|---------|---------|---------|
| LEATHER AND ITS MANUFACTURES | | | | | | |
| Number of Wage Earners | 344,545 | 314,025 | 315,991 | 318,415 | 272,757 | 282,000 |
| Union Membership | | | | | | |
| Boot and Shoe Workers | 38,200 | 34,500 | 33,700 | 31,300 | 26,400 | 31,200 |
| Fancy Leather Goods Workers | 5,200 | ..... | ..... | ..... | ..... | ..... |
| National Shoe Workers | ..... | ..... | ..... | ..... | ..... | ..... |
| Shoe Workers Protective | 7,200 | 14,500 | 11,600 | 8,000 | 5,500 | 20,000 |
| United Leather Workers of America | 1,600 | 1,500 | 1,400 | 1,200 | 500 | 200 |
| United Leather Workers International | 1,900 | 1,900 | 900 | 4,900 | 4,700 | 800 |
| Total Union Membership | 54,100 | 52,400 | 47,600 | 45,400 | 37,100 | 74,200 |
| Percentage organized | 15.7 | 16.7 | 15.1 | 14.3 | 13.6 | 26.3 |
| MUSICAL INSTRUMENTS, EXCEPT PHONOGRAPHS | | | | | | |
| Number of Wage Earners | 37,838 | 35,713 | 28,769 | 18,625 | 10,003 | 6,106 |
| Union Membership | | | | | | |
| Piano and Organ Workers | 600 | 500 | 500 | 500 | 400 | 300 |
| Total Union Membership | 600 | 500 | 500 | 500 | 400 | 300 |
| Percentage organized | 1.6 | 1.4 | 1.7 | 2.7 | 4.0 | 4.9 |
| NONFERROUS METALS AND THEIR PRODUCTS | | | | | | |
| Number of Wage Earners | 296,911 | 275,292 | 270,535 | 314,741 | 208,855 | 198,271 |
| Union Membership | | | | | | |
| Diamond Workers | 500 | 400 | 400 | 400 | 300 | 300 |
| Electrical Workers | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 3,000 |
| Jewelry Workers | 2,000 | 700 | 500 | 600 | 800 | 800 |
| Metal Engravers | 100 | 100 | 100 | 100 | 500 | 500 |
| Metal Polishers | 6,500 | 5,800 | 5,900 | 5,900 | 1,400 | 1,400 |
| Metal Workers Brotherhood | 6,000 | ..... | ..... | ..... | ..... | ..... |
| Total Union Membership | 20,100 | 12,000 | 11,900 | 12,000 | 12,100 | 6,000 |
| Percentage organized | 6.8 | 4.4 | 4.4 | 3.8 | 5.8 | 3.2 |
| PAPER, PRINTING, PUBLISHING AND ALLIED INDUSTRIES | | | | | | |
| Number of Wage Earners | 527,019 | 536,766 | 553,040 | 591,381 | 511,350 | 460,486 |
| Union Membership | | | | | | |
| Bookbinders | 12,800 | 13,200 | 13,500 | 12,800 | 13,300 | 10,100 |
| Friendly Society of Engravers | ..... | ..... | ..... | ..... | ..... | 100 |
| Lithographers | 5,300 | 5,100 | 5,700 | 5,200 | 5,300 | 4,800 |
| Paper Makers | 5,700 | 3,800 | 2,700 | 1,900 | 2,300 | 2,300 |
| Photo Engravers | 6,300 | 7,100 | 7,800 | 8,400 | 8,600 | 8,300 |
| Poster Artists | 400 | 400 | 400 | ..... | ..... | ..... |
| Printing Pressmen | 35,700 | 38,000 | 38,000 | 35,500 | 35,500 | 32,500 |
| Pulp and Paper Mill Workers | 2,800 | 3,000 | 2,900 | 3,000 | 3,400 | 4,900 |

APPENDIX TABLE VII

| | | | | | | |
|----------------------------------|---------|---------|---------|---------|---------|---------|
| Siderographers | 100 | 100 | 100 | 100 | 100 | 100 |
| Steel and Copper Plate Engravers | 200 | ..... | ..... | ..... | ..... | ..... |
| Steel and Copper Plate Printers | 1,000 | 1,000 | 1,200 | 1,200 | 1,200 | 1,000 |
| Stenographers and Electrotypers | 6,000 | 6,400 | 7,300 | 7,900 | 7,900 | 7,900 |
| Typographical Union | 63,700 | 66,200 | 70,400 | 73,100 | 73,000 | 69,700 |
| Wall Paper Crafts | 600 | 600 | 600 | 600 | 600 | 500 |
| Total Union Membership | 140,600 | 144,000 | 150,100 | 149,100 | 151,200 | 142,000 |
| Percentage organized | 26.7 | 26.8 | 27.1 | 25.2 | 29.6 | 30.8 |

TEXTILE MILL PRODUCTS

| | | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|---------|---------|
| Number of Wage Earners | 1,145,966 | 1,093,199 | 1,101,724 | 1,077,596 | 871,352 | 940,856 |
| Union Membership | ..... | ..... | ..... | ..... | ..... | ..... |
| Elastic Goring Weavers | 100 | 100 | ..... | ..... | ..... | ..... |
| Lace Operatives | 1,700 | 1,500 | 1,200 | 1,300 | 1,100 | 1,100 |
| Silk Workers | 3,500 | 2,900 | 2,000 | 2,000 | 2,000 | ..... |
| Spinners, Mule | 2,000 | 2,000 | 2,000 | 2,000 | 1,000 | ..... |
| Textile Workers, United | 27,700 | 29,700 | 29,900 | 29,900 | 29,900 | 14,900 |
| Total Union Membership | 35,000 | 36,200 | 35,100 | 35,200 | 34,000 | 16,000 |
| Percentage organized | 3.1 | 3.3 | 3.2 | 3.3 | 3.9 | 1.7 |

TOBACCO MANUFACTURES

| | | | | | | |
|------------------------|---------|---------|---------|---------|--------|--------|
| Number of Wage Earners | 146,337 | 132,132 | 129,299 | 116,119 | 99,769 | 87,325 |
| Union Membership | ..... | ..... | ..... | ..... | ..... | ..... |
| Cigar Makers | 25,900 | 23,100 | 18,200 | 12,600 | 10,700 | 9,700 |
| Tobacco Workers | 1,900 | 1,500 | 1,500 | 4,300 | 2,400 | 4,900 |
| Total Union Membership | 27,800 | 24,600 | 19,700 | 16,900 | 13,100 | 14,600 |
| Percentage organized | 19.0 | 18.6 | 15.2 | 14.6 | 13.1 | 16.7 |

MISCELLANEOUS INDUSTRIES

| | | | | | | |
|------------------------|---------|---------|---------|---------|---------|---------|
| Number of Wage Earners | 454,778 | 437,407 | 464,064 | 471,862 | 358,115 | 336,227 |
| Union Membership | ..... | ..... | ..... | ..... | ..... | ..... |
| Broom Makers | 600 | 500 | 500 | 500 | 400 | 200 |
| Firemen and Oilers | 12,500 | 10,000 | 8,000 | 8,600 | 8,100 | 8,800 |
| Operating Engineers | 26,100 | 24,000 | 30,000 | 31,600 | 32,700 | 34,300 |
| Total Union Membership | 39,200 | 34,500 | 38,500 | 40,700 | 41,200 | 43,300 |
| Percentage organized | 8.6 | 7.9 | 8.3 | 8.6 | 11.5 | 12.9 |

ALL MANUFACTURING INDUSTRIES

| | | | | | | |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Number of Wage Earners | 8,760,591 | 8,376,698 | 8,325,769 | 8,811,243 | 6,506,701 | 6,055,736 |
| Total Union Membership | 1,110,000 | 1,041,500 | 1,007,300 | 958,500 | 919,900 | 979,800 |
| Percentage organized | 12.7 | 12.4 | 12.1 | 10.9 | 14.1 | 16.2 |

TABLE VII—Continued

¹ Based on the U. S. Censuses of Manufactures, 1923-33, and the data on the membership of trade unions presented in the Appendix, Table I, from which the Canadian membership in each year has been subtracted. The designation 'manufacturing industries', and that of each subgroup, corresponds to the census classification, with the following exceptions: (1) workers engaged in the roasting and grinding of coffee and spices and in the processing or shelling of peanuts, walnuts, and other nuts have been dropped from the 'food and kindred products' group and from the total in each year in which they were reported in order to retain comparability of the six census years; (2) the motion-picture production industry has been dropped from the 'miscellaneous' group and from the total; (3) wage earners engaged in the manufacture of tobacco products, musical instruments (except phonographs), men's straw hats, dressed furs and fur goods have been deducted from the 'miscellaneous' group

as it is reported in the census but appear in other groups in this table. Workers engaged in the manufacture of miscellaneous articles from purchased fabrics have been shifted to 'miscellaneous' from the 'textile-mill products' group. Wage earners engaged in the manufacture of rubber products are also included under 'miscellaneous'. Otherwise, the 'miscellaneous' group corresponds to the census classification; (4) in separating workers engaged in the manufacture of textile products from those manufacturing clothing, the fur-felt and wool-felt hat manufacturing industries have been shifted from the former group to the latter. It should be noted, further, that 'manufacturing industries' as here constituted includes the maintenance of equipment and stores on railroads. Workers so engaged are included in the group of 'iron and steel and their products, etc.'

² Less than one tenth of one per cent.

APPENDIX TABLE VIII

TABLE VIII
COAL MINING, EXTENT OF TRADE UNION ORGANIZATION, 1923-1934

| YEAR | NUMBER OF WAGE EARNERS ¹ | UNION MEMBERSHIP ² | PERCENTAGE ORGANIZED | YEAR | NUMBER OF WAGE EARNERS ¹ | UNION MEMBERSHIP ² | PERCENTAGE ORGANIZED |
|------|-------------------------------------|-------------------------------|----------------------|------|-------------------------------------|-------------------------------|----------------------|
| 1923 | 862,536 | 492,900 | 57.1 | 1929 | 654,494 | 245,100 | 37.4 |
| 1924 | 779,613 | 459,100 | 58.9 | 1930 | 644,006 | 205,100 | 31.8 |
| 1925 | 748,805 | 414,700 | 55.4 | 1931 | 589,644 | 284,200 | 48.2 |
| 1926 | 759,033 | 361,100 | 47.6 | 1932 | 527,623 | 342,300 | 64.9 |
| 1927 | 759,177 | 372,300 | 49.0 | 1933 | 523,336 | 321,800 | 61.5 |
| 1928 | 682,831 | 309,400 | 45.3 | 1934 | 567,061 | 513,800 | 90.6 |

¹ U. S. Department of Commerce, Bureau of Mines, *Mineral Resources of the United States*, annually, 1923-35. See report for 1925, Part II, p. 429: "Careful study of the returns under diverse conditions indicate the figures reported do not represent the average number of men actually at work at any one moment, nor the aggregate number of men who have worked at the mine during the year, nor the precise average number of men on the payrolls, but rather the number of men commonly dependent on the mines for employment. They represent the number ordinarily reporting for work when the mine starts, plus the absentees—the men who have been work-

ing recently and will work again but who for one reason or another are not on hand that day. The totals for districts and for the United States are, therefore, a fair measure of the total number of coal-mine workers. These statistics are not accurate in all details but they are comparable from year to year and represent the most accurate returns obtainable under present conditions, both as to the records generally available in mine offices and as to the funds allotted to the Bureau of Mines for collecting data."

² Includes the membership in the United States of the United Mine Workers and the Progressive Miners of America.

TABLE IX
STEAM RAILROAD INDUSTRY, EXTENT OF TRADE UNION ORGANIZATION, 1923-1934

| | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Number of wage earners ¹ | 1,335,399 | 1,265,226 | 1,288,333 | 1,330,532 | 1,311,862 | 1,256,331 |
| Union Membership | | | | | | |
| Colored Railway Trainmen | 2,500 | 3,500 | 3,500 | 3,500 | 2,200 | 1,500 |
| Dining Car Conductors | 1,100 | 1,000 | 1,000 | 1,100 | 1,100 | 1,000 |
| Locomotive Engineers | 81,200 | 81,800 | 81,800 | 81,800 | 80,100 | 76,900 |
| Locomotive Firemen | 110,200 | 100,200 | 99,500 | 99,400 | 97,700 | 96,600 |
| Maintenance of Way Employees | 27,700 | 31,700 | 31,200 | 23,100 | 21,400 | 21,000 |
| Porters, Brakemen and Switchmen | 800 | 1,000 | 1,400 | 1,800 | 1,600 | 1,700 |
| Railroad Signalmen | 7,400 | 7,200 | 8,000 | 8,800 | 9,100 | 9,100 |
| Railroad Station Employees | 3,800 | 3,800 | 3,700 | 3,700 | 3,700 | 3,700 |
| Railroad Telegraphers | 43,800 | 36,300 | 31,900 | 27,600 | 27,000 | 27,400 |
| Railroad Trainmen | 155,300 | 164,500 | 163,400 | 164,900 | 167,700 | 169,100 |
| Railroad Yardmasters of N. A. | ..... | ..... | 300 | 500 | 600 | 600 |
| Railway Clerks | 94,100 | 85,400 | 87,700 | 90,900 | 92,700 | 94,200 |
| Railway Conductors | 54,300 | 54,700 | 54,500 | 53,600 | 51,500 | 49,600 |
| Sleeping Car Conductors | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,100 |
| Switchmen | 8,400 | 9,200 | 8,800 | 8,600 | 8,800 | 9,000 |
| Train Dispatchers | 3,800 | 3,800 | 3,800 | 3,800 | 3,800 | 3,800 |
| Total union membership | 596,600 | 586,300 | 582,700 | 575,300 | 571,200 | 567,300 |
| Percentage organized | 44.7 | 45.6 | 45.2 | 43.2 | 43.5 | 45.2 |
| | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
| Number of wage earners ¹ | 1,265,613 | 1,135,993 | 959,495 | 786,178 | 741,020 | 766,274 |
| Union Membership | | | | | | |
| Colored Railway Trainmen | 1,200 | 2,000 | 2,100 | 2,100 | 2,000 | 2,500 |
| Dining Car Conductors | 900 | 800 | 800 | 700 | 700 | 700 |
| Locomotive Engineers | 74,100 | 71,200 | 68,500 | 64,800 | 59,900 | 53,700 |
| Locomotive Firemen | 99,400 | 91,100 | 75,400 | 64,900 | 55,700 | 57,500 |
| Maintenance of Way Employees | 15,900 | 23,700 | 23,400 | 29,500 | 20,800 | 24,200 |
| Porters, Brakemen and Switchmen | 1,700 | 1,000 | 700 | 400 | 400 | 400 |
| Railroad Signalmen | 11,100 | 10,200 | 8,800 | 6,600 | 6,600 | 6,800 |
| Railroad Station Employees | 3,600 | 3,600 | 2,100 | 1,900 | 1,500 | 1,100 |
| Railroad Telegraphers | 32,000 | 32,700 | 32,900 | 33,000 | 28,000 | 31,000 |
| Railroad Trainmen | 168,400 | 164,700 | 147,200 | 129,100 | 99,200 | 104,000 |
| Railroad Yardmasters of N. A. | 600 | 600 | 500 | 500 | 500 | 500 |
| Railway Clerks | 92,400 | 92,600 | 71,000 | 57,700 | 56,800 | 54,600 |
| Railway Conductors | 48,300 | 48,000 | 45,000 | 39,600 | 35,200 | 32,200 |
| Sleeping Car Conductors | 2,800 | 1,900 | 2,000 | 1,900 | 2,000 | 2,000 |
| Switchmen | 9,200 | 9,100 | 8,100 | 7,200 | 6,300 | 7,200 |

| | | | | |
|------------------------|---------|---------|---------|---------|
| Train Dispatchers | 3,800 | 2,800 | 2,200 | 2,200 |
| Total union membership | 564,600 | 491,300 | 442,700 | 377,800 |
| Percentage organized | 44.5 | 51.2 | 56.3 | 51.0 |

¹ From the Interstate Commerce Commission, Statistics of Railways in the U. S. each year, 1923-34. The total here given excludes: Group I—Executives, Officials and Staff Assistants; Group IV—Maintenance of Equipment and Stores. The latter group is composed of the carmen and other shop crafts. Since it was impossible to separate the union members engaged in the repair and maintenance of railroad equipment from those engaged in its manufacture, the whole group, both workers and union members, has been thrown into the industry group called 'iron and steel, machinery, transportation equipment, etc.' among the manufacturing industries and may be found there. These workers are classified by the Census of Manufactures under 'railroad repair shops'.

EBB AND FLOW IN TRADE UNIONISM

TABLE X

AFFILIATED AND INDEPENDENT AMERICAN TRADE UNIONS,
MEMBERSHIP BY INDUSTRIAL GROUPS, 1897*-1934
(00's omitted)

| | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| MINING, QUARRYING AND OIL | | | | | | | | | | | | | | | | | |
| Affiliated | 1171 | 1999 | 1771 | 2516 | 2552 | 2703 | 2367 | 2678 | 2592 | 2718 | 2378 | 3107 | 3429 | 4315 | 3802 | 3322 | 3376 |
| Independent | 140 | 177 | 196 | 283 | 241 | 263 | 286 | 442 | 305 | 353 | 371 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1311 | 2176 | 1967 | 2799 | 2793 | 2966 | 2653 | 3120 | 2897 | 3071 | 2749 | 3107 | 3429 | 4315 | 3802 | 3322 | 3376 |
| BUILDING CONSTRUCTION | | | | | | | | | | | | | | | | | |
| Affiliated | 1134 | 1478 | 1968 | 3096 | 3194 | 2998 | 3200 | 3524 | 3658 | 3652 | 3908 | 3960 | 3911 | 4375 | 4497 | 4457 | 4711 |
| Independent | 397 | 438 | 666 | 596 | 722 | 729 | 693 | 808 | 788 | 607 | 682 | 828 | 1180 | 1158 | 923 | 870 | 818 |
| Total | 1531 | 1916 | 2634 | 3692 | 3916 | 3727 | 3893 | 4332 | 4446 | 4259 | 4590 | 4788 | 5091 | 5533 | 5420 | 5327 | 5529 |
| METALS, MACHINERY AND SHIPBUILDING | | | | | | | | | | | | | | | | | |
| Affiliated | 775 | 985 | 1252 | 1830 | 1927 | 1466 | 1599 | 1763 | 1722 | 1563 | 1909 | 2039 | 1921 | 2028 | 2101 | 2078 | 2467 |
| Independent | 34 | 53 | 121 | 222 | 206 | 189 | 274 | 360 | 279 | 215 | 54 | 64 | 122 | 161 | 158 | 164 | 204 |
| Total | 809 | 1038 | 1373 | 2052 | 2133 | 1655 | 1873 | 2123 | 2001 | 1778 | 1963 | 2103 | 2043 | 2189 | 2259 | 2242 | 2671 |
| TEXTILES | | | | | | | | | | | | | | | | | |
| Affiliated | 65 | 60 | 139 | 185 | 141 | 134 | 135 | 145 | 160 | 131 | 131 | 132 | 142 | 196 | 215 | 224 | 289 |
| Independent | 15 | 10 | 8 | 7 | 7 | 7 | 8 | 12 | 12 | 13 | 79 | 81 | 84 | 95 | 84 | 0 | 0 |
| Total | 80 | 70 | 147 | 192 | 148 | 141 | 143 | 157 | 172 | 144 | 210 | 213 | 226 | 291 | 299 | 224 | 289 |
| LEATHER AND SHOES | | | | | | | | | | | | | | | | | |
| Affiliated | 71 | 126 | 215 | 397 | 406 | 383 | 380 | 377 | 373 | 373 | 376 | 367 | 368 | 371 | 408 | 383 | 418 |
| Independent | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 92 | 129 | 192 | 176 | 172 | 145 | 190 |
| Total | 96 | 151 | 240 | 422 | 431 | 408 | 405 | 402 | 398 | 398 | 468 | 496 | 560 | 547 | 580 | 528 | 608 |
| CLOTHING | | | | | | | | | | | | | | | | | |
| Affiliated | 223 | 339 | 589 | 770 | 779 | 627 | 542 | 654 | 733 | 805 | 974 | 1448 | 1301 | 1633 | 1571 | 1357 | 1616 |
| Independent | 26 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 5 | 6 | 7 | 380 | 480 |
| Total | 249 | 377 | 589 | 770 | 779 | 627 | 542 | 654 | 733 | 805 | 978 | 1453 | 1306 | 1639 | 1578 | 1737 | 2096 |
| LUMBER AND WOODWORKING | | | | | | | | | | | | | | | | | |
| Affiliated | 195 | 241 | 341 | 479 | 516 | 419 | 359 | 270 | 198 | 190 | 180 | 174 | 118 | 129 | 125 | 101 | 100 |
| Independent | 61 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 116 | 137 | 122 | 123 | 110 | 80 |
| Total | 256 | 318 | 341 | 479 | 516 | 419 | 359 | 270 | 198 | 190 | 280 | 290 | 255 | 251 | 248 | 211 | 180 |

APPENDIX TABLE X

233

TABLE X
 AFFILIATED AND INDEPENDENT AMERICAN TRADE UNIONS,
 MEMBERSHIP BY INDUSTRIAL GROUPS, 1897*-1934
 (00's omitted)

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 3734 | 4332 | 4191 | 4386 | 4697 | 3866 | 5296 | 4932 | 4394 | 3856 | 3967 | 3334 | 2708 | 2298 | 3092 | 3218 | 3196 | 5441 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 350 | 350 | 350 |
| 3734 | 4332 | 4191 | 4386 | 4697 | 3866 | 5296 | 4932 | 4394 | 3856 | 3967 | 3334 | 2708 | 2298 | 3092 | 3568 | 3546 | 5791 |
| 5905 | 7006 | 8018 | 8879 | 8691 | 8263 | 7895 | 8141 | 8370 | 8666 | 9027 | 9050 | 9190 | 9041 | 8895 | 8056 | 5827 | 6046 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6065 | 7006 | 8018 | 8879 | 8691 | 8263 | 7895 | 8141 | 8370 | 8666 | 9027 | 9050 | 9190 | 9041 | 8895 | 8056 | 5827 | 6046 |
| 2872 | 3702 | 5768 | 7984 | 7213 | 4988 | 2511 | 2183 | 2048 | 2018 | 2037 | 2049 | 2114 | 2028 | 1906 | 1733 | 1784 | 2108 |
| 225 | 260 | 407 | 604 | 70 | 70 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 110 |
| 3097 | 3962 | 6175 | 8588 | 7283 | 5058 | 2571 | 2183 | 2048 | 2018 | 2037 | 2049 | 2114 | 2028 | 1906 | 1733 | 1796 | 2218 |
| 406 | 494 | 590 | 1050 | 830 | 301 | 301 | 301 | 301 | 301 | 300 | 300 | 300 | 300 | 300 | 275 | 150 | 387 |
| 0 | 0 | 8 | 441 | 52 | 68 | 72 | 75 | 64 | 54 | 52 | 53 | 53 | 53 | 41 | 11 | 11 | 11 |
| 406 | 494 | 598 | 1491 | 882 | 369 | 373 | 376 | 365 | 355 | 352 | 353 | 353 | 353 | 341 | 286 | 161 | 398 |
| 428 | 399 | 435 | 584 | 490 | 436 | 419 | 392 | 382 | 386 | 360 | 336 | 374 | 372 | 325 | 180 | 338 | 450 |
| 300 | 350 | 600 | 545 | 472 | 466 | 140 | 74 | 160 | 163 | 130 | 116 | 92 | 71 | 60 | 107 | 422 | 722 |
| 728 | 749 | 1035 | 1129 | 962 | 902 | 559 | 466 | 542 | 549 | 490 | 452 | 466 | 443 | 385 | 287 | 760 | 1172 |
| 1654 | 1672 | 1700 | 1869 | 1700 | 1700 | 1543 | 1536 | 1668 | 1636 | 1376 | 1187 | 1081 | 1299 | 1239 | 1090 | 2111 | 4047 |
| 570 | 904 | 1535 | 1876 | 1530 | 1400 | 1409 | 1279 | 1250 | 1280 | 1290 | 1200 | 1100 | 1000 | 1000 | 1020 | 1250 | 0 |
| 2224 | 2576 | 3235 | 3745 | 3230 | 3100 | 2952 | 2815 | 2918 | 2916 | 2666 | 2387 | 2181 | 2299 | 2239 | 2110 | 3361 | 4047 |
| 113 | 143 | 157 | 244 | 201 | 123 | 106 | 106 | 105 | 114 | 129 | 134 | 132 | 131 | 123 | 83 | 83 | 100 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 183 | 143 | 157 | 244 | 201 | 123 | 106 | 106 | 105 | 114 | 129 | 134 | 132 | 131 | 123 | 83 | 83 | 100 |

EBB AND FLOW IN TRADE UNIONISM

TABLE X—Continued

| | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| PAPER, PRINTING AND BOOKBINDING | | | | | | | | | | | | | | | | | |
| Affiliated | 458 | 527 | 641 | 795 | 847 | 833 | 830 | 812 | 826 | 832 | 891 | 966 | 1016 | 1058 | 1094 | 1146 | 1253 |
| Independent | 22 | 26 | 56 | 80 | 75 | 75 | 45 | 45 | 45 | 0 | 6 | 6 | 7 | 8 | 19 | 10 | 8 |
| Total | 480 | 553 | 697 | 875 | 922 | 908 | 875 | 857 | 871 | 832 | 897 | 972 | 1023 | 1066 | 1113 | 1156 | 1261 |
| CHEMICALS, CLAY, GLASS AND STONE | | | | | | | | | | | | | | | | | |
| Affiliated | 226 | 257 | 311 | 313 | 337 | 306 | 402 | 483 | 405 | 410 | 424 | 428 | 436 | 511 | 517 | 493 | 480 |
| Independent | 75 | 75 | 80 | 149 | 149 | 207 | 149 | 69 | 147 | 164 | 177 | 166 | 159 | 52 | 61 | 38 | 41 |
| Total | 301 | 332 | 391 | 462 | 486 | 513 | 551 | 552 | 552 | 574 | 601 | 594 | 595 | 563 | 578 | 531 | 521 |
| FOOD, LIQUOR AND TOBACCO | | | | | | | | | | | | | | | | | |
| Affiliated | 691 | 774 | 930 | 1223 | 1356 | 1041 | 1032 | 701 | 1118 | 1188 | 1193 | 1242 | 1333 | 1376 | 1417 | 1172 | 1155 |
| Independent | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 400 | 0 | 0 | 35 | 38 | 35 | 38 | 34 | 18 | 17 |
| Total | 691 | 774 | 930 | 1223 | 1356 | 1041 | 1032 | 1101 | 1118 | 1188 | 1228 | 1280 | 1368 | 1414 | 1451 | 1190 | 1172 |
| TRANSPORTATION AND COMMUNICATION | | | | | | | | | | | | | | | | | |
| Affiliated | 409 | 556 | 810 | 1391 | 2188 | 2103 | 1676 | 1759 | 1777 | 1517 | 1627 | 1786 | 1795 | 1872 | 2043 | 2097 | 2340 |
| Independent | 1484 | 1604 | 1768 | 2002 | 2249 | 2360 | 2539 | 2842 | 2925 | 2863 | 3178 | 3345 | 3508 | 3701 | 3574 | 3663 | 3893 |
| Total | 1893 | 2160 | 2578 | 3393 | 4437 | 4463 | 4215 | 4601 | 4702 | 4380 | 4805 | 5131 | 5303 | 5573 | 5617 | 5760 | 6233 |
| PUBLIC SERVICE | | | | | | | | | | | | | | | | | |
| Affiliated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 12 | 13 | 14 | 70 | 90 | 100 | 135 | 160 | 204 |
| Independent | 154 | 176 | 190 | 216 | 234 | 245 | 258 | 305 | 375 | 430 | 570 | 591 | 579 | 762 | 779 | 745 | 759 |
| Total | 154 | 176 | 190 | 216 | 234 | 245 | 258 | 314 | 387 | 443 | 584 | 661 | 669 | 862 | 914 | 905 | 963 |
| THEATRES AND MUSIC | | | | | | | | | | | | | | | | | |
| Affiliated | 92 | 122 | 146 | 196 | 281 | 374 | 425 | 446 | 448 | 485 | 502 | 664 | 720 | 788 | 860 | 867 | 871 |
| Independent | 0 | 5 | 1 | 1 | 1 | 1 | 1 | 6 | 20 | 40 | 100 | 30 | 58 | 35 | 60 | 0 | 0 |
| Total | 92 | 127 | 147 | 197 | 282 | 375 | 426 | 452 | 468 | 525 | 602 | 694 | 770 | 823 | 920 | 867 | 871 |
| TRADE | | | | | | | | | | | | | | | | | |
| Affiliated | 200 | 250 | 300 | 500 | 500 | 500 | 500 | 500 | 500 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| Independent | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 200 | 250 | 300 | 500 | 500 | 500 | 500 | 500 | 500 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| HOTEL AND RESTAURANT SERVICE | | | | | | | | | | | | | | | | | |
| Affiliated | 48 | 103 | 191 | 391 | 494 | 387 | 345 | 363 | 386 | 368 | 370 | 430 | 476 | 539 | 590 | 606 | 590 |
| Independent | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 147 | 126 | 0 | 0 |
| Total | 48 | 103 | 191 | 391 | 494 | 387 | 345 | 363 | 386 | 368 | 370 | 430 | 476 | 686 | 716 | 606 | 590 |

APPENDIX TABLE X

TABLE X—Continued

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1364 | 1436 | 1476 | 1636 | 1812 | 1601 | 1505 | 1531 | 1553 | 1573 | 1613 | 1619 | 1625 | 1652 | 1655 | 1601 | 1531 | 1617 |
| 8 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1372 | 1444 | 1480 | 1640 | 1816 | 1605 | 1509 | 1535 | 1557 | 1577 | 1617 | 1619 | 1625 | 1652 | 1655 | 1601 | 1531 | 1617 |
| 471 | 510 | 482 | 517 | 531 | 497 | 472 | 426 | 398 | 401 | 396 | 381 | 374 | 351 | 331 | 286 | 270 | 467 |
| 46 | 0 | 0 | 0 | 0 | 0 | 23 | 25 | 27 | 20 | 18 | 7 | 5 | 3 | 3 | 2 | 2 | 0 |
| 517 | 510 | 482 | 517 | 531 | 497 | 495 | 451 | 425 | 421 | 414 | 388 | 379 | 354 | 334 | 288 | 272 | 467 |
| 1183 | 1373 | 1678 | 1809 | 1457 | 988 | 763 | 760 | 751 | 747 | 700 | 661 | 646 | 618 | 595 | 556 | 577 | 817 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1198 | 1373 | 1678 | 1809 | 1457 | 988 | 763 | 760 | 751 | 747 | 700 | 661 | 646 | 618 | 595 | 556 | 577 | 817 |
| 2727 | 3114 | 4549 | 6773 | 6810 | 5348 | 4422 | 4280 | 4306 | 3276 | 3363 | 4460 | 4388 | 4463 | 4062 | 3556 | 3146 | 3527 |
| 4227 | 4659 | 5039 | 5788 | 5589 | 5042 | 4651 | 4652 | 4624 | 5566 | 5524 | 4445 | 4534 | 4361 | 4096 | 3431 | 2947 | 2925 |
| 6954 | 7773 | 9588 | 12561 | 12399 | 10390 | 9073 | 8932 | 8930 | 8842 | 8887 | 8905 | 8922 | 8824 | 8158 | 6987 | 6093 | 6452 |
| 600 | 812 | 1102 | 1324 | 1408 | 1357 | 1196 | 1198 | 1242 | 1322 | 1345 | 1425 | 1596 | 1729 | 1860 | 1498 | 1452 | 1486 |
| 424 | 240 | 270 | 290 | 310 | 350 | 602 | 652 | 687 | 719 | 780 | 816 | 870 | 912 | 896 | 1497 | 1511 | 1503 |
| 1024 | 1052 | 1372 | 1614 | 1718 | 1707 | 1798 | 1850 | 1929 | 2041 | 2125 | 2241 | 2466 | 2641 | 2756 | 2995 | 2963 | 2989 |
| 820 | 873 | 879 | 986 | 1060 | 1072 | 1036 | 1079 | 1105 | 1123 | 1134 | 1320 | 1350 | 1337 | 1323 | 1285 | 1273 | 1271 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 820 | 873 | 879 | 986 | 1060 | 1072 | 1036 | 1079 | 1105 | 1123 | 1134 | 1320 | 1350 | 1337 | 1323 | 1285 | 1273 | 1271 |
| 150 | 150 | 150 | 208 | 212 | 167 | 103 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 87 | 50 | 58 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 150 | 150 | 150 | 208 | 212 | 167 | 103 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 87 | 50 | 58 |
| 646 | 652 | 608 | 604 | 572 | 465 | 384 | 385 | 385 | 386 | 398 | 385 | 378 | 365 | 328 | 259 | 266 | 474 |
| 0 | 0 | 0 | 0 | 120 | 140 | 70 | 70 | 70 | 70 | 75 | 75 | 75 | 75 | 55 | 55 | 50 | 55 |
| 646 | 652 | 608 | 604 | 692 | 605 | 454 | 455 | 455 | 456 | 473 | 460 | 453 | 440 | 383 | 314 | 316 | 529 |

EBB AND FLOW IN TRADE UNIONISM

TABLE X—Continued

| | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 |
|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DOMESTIC AND PERSONAL SERVICE | | | | | | | | | | | | | | | | | |
| Affiliated | 69 | 137 | 202 | 288 | 301 | 273 | 286 | 272 | 295 | 290 | 294 | 311 | 325 | 344 | 371 | 382 | 402 |
| Independent | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 69 | 137 | 202 | 288 | 301 | 273 | 286 | 272 | 295 | 290 | 294 | 311 | 325 | 344 | 371 | 382 | 402 |
| PROFESSIONAL SERVICE | | | | | | | | | | | | | | | | | |
| Affiliated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Independent | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MISCELLANEOUS | | | | | | | | | | | | | | | | | |
| Affiliated | 425 | 589 | 842 | 1188 | 999 | 1432 | 613 | 667 | 1050 | 554 | 545 | 598 | 645 | 724 | 715 | 688 | 815 |
| Independent | 0 | 0 | 0 | 0 | 0 | 143 | 104 | 67 | 132 | 107 | 91 | 163 | 290 | 193 | 140 | 0 | 0 |
| Total | 425 | 589 | 842 | 1188 | 999 | 1575 | 717 | 734 | 1182 | 661 | 636 | 761 | 935 | 917 | 855 | 688 | 815 |
| TOTAL AFFILIATED | | | | | | | | | | | | | | | | | |
| | 6252 | 8543 | 10648 | 15558 | 16818 | 15979 | 14691 | 15423 | 16253 | 15239 | 15866 | 17872 | 18176 | 20509 | 20611 | 19683 | 21237 |
| TOTAL INDEPENDENT | | | | | | | | | | | | | | | | | |
| | 2433 | 2704 | 3111 | 3581 | 3909 | 4244 | 4382 | 5381 | 5053 | 4817 | 5539 | 5562 | 6348 | 6654 | 6260 | 6143 | 6490 |
| GRAND TOTAL | | | | | | | | | | | | | | | | | |
| | 8685 | 11247 | 13759 | 19139 | 20727 | 20223 | 19073 | 20804 | 21306 | 20056 | 21405 | 23434 | 24524 | 27163 | 26871 | 25826 | 27727 |

* The membership in affiliated and independent American trade unions, by industrial groups, in 1897, 1898 and 1899 was as follows:

| | 1897 | 1898 | 1899 | | 1897 | 1898 | 1899 | |
|---|------|------|------|----------------|---|------|------|-----|
| | | | | (00's omitted) | | | | |
| MINING, QUARRYING AND OIL | | | | | LEATHER AND SHOES | | | |
| Affiliated | 129 | 340 | 629 | | Affiliated | 126 | 98 | 53 |
| Independent | 80 | 100 | 120 | | Independent | 26 | 26 | 27 |
| Total | 209 | 440 | 749 | | Total | 152 | 124 | 80 |
| BUILDING CONSTRUCTION | | | | | CLOTHING | | | |
| Affiliated | 405 | 436 | 661 | | Affiliated | 146 | 151 | 151 |
| Independent | 268 | 302 | 307 | | Independent | 0 | 0 | 0 |
| Total | 673 | 738 | 968 | | Total | 146 | 151 | 151 |
| METALS, MACHINERY AND SHIPBUILDING | | | | | LUMBER AND WOODWORKING | | | |
| Affiliated | 467 | 450 | 576 | | Affiliated | 48 | 84 | 112 |
| Independent | 34 | 12 | 13 | | Independent | 7 | 33 | 47 |
| Total | 501 | 462 | 589 | | Total | 55 | 117 | 159 |
| TEXTILES | | | | | PAPER, PRINTING AND BOOKBINDING | | | |
| Affiliated | 56 | 55 | 49 | | Affiliated | 332 | 375 | 411 |
| Independent | 25 | 30 | 20 | | Independent | 47 | 16 | 17 |
| Total | 81 | 85 | 69 | | Total | 379 | 391 | 428 |
| | | | | | CHEMICALS, CLAY, GLASS AND STONE | | | |
| | | | | | Affiliated | 128 | 138 | 199 |
| | | | | | Independent | 105 | 113 | 70 |
| | | | | | Total | 233 | 251 | 269 |

APPENDIX TABLE X

237

TABLE X—Continued

| 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 444 | 439 | 419 | 509 | 548 | 611 | 565 | 570 | 597 | 629 | 662 | 658 | 669 | 729 | 696 | 634 | 550 | 638 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 444 | 439 | 419 | 509 | 548 | 611 | 565 | 570 | 597 | 629 | 662 | 658 | 669 | 729 | 696 | 634 | 550 | 638 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110 |
| 1052 | 1145 | 1187 | 1568 | 1434 | 951 | 672 | 610 | 603 | 614 | 685 | 687 | 672 | 640 | 600 | 573 | 571 | 1366 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1052 | 1145 | 1187 | 1568 | 1434 | 951 | 672 | 610 | 603 | 614 | 685 | 687 | 672 | 640 | 600 | 573 | 571 | 1366 |
| 24569 | 28252 | 33389 | 40930 | 39666 | 32734 | 29189 | 28530 | 28308 | 27148 | 27592 | 28086 | 27697 | 27453 | 27430 | 24970 | 23175 | 30300 |
| 6045 | 6421 | 7863 | 9548 | 8147 | 7540 | 7031 | 6831 | 6886 | 7876 | 7873 | 6712 | 6729 | 6475 | 6151 | 6473 | 6555 | 5786 |
| 30614 | 34673 | 41252 | 50478 | 47813 | 40274 | 36220 | 35361 | 35194 | 35024 | 35465 | 34798 | 34426 | 33928 | 33581 | 31443 | 29730 | 36086 |
| | | | | | | 1897 | 1898 | 1899 | | | | | | | 1897 | 1898 | 1899 |
| FOOD LIQUOR AND TOBACCO | | | | | | | | | HOTEL AND RESTAURANT SERVICE | | | | | | | | |
| Affiliated | | | | | | | | | Affiliated | | | | | | | | |
| Independent | | | | | | | | | Independent | | | | | | | | |
| Total | | | | | | | | | Total | | | | | | | | |
| TRANSPORTATION AND COMMUNICATION | | | | | | | | | DOMESTIC AND PERSONAL SERVICE | | | | | | | | |
| Affiliated | | | | | | | | | Affiliated | | | | | | | | |
| Independent | | | | | | | | | Independent | | | | | | | | |
| Total | | | | | | | | | Total | | | | | | | | |
| PUBLIC SERVICE | | | | | | | | | PROFESSIONAL SERVICE | | | | | | | | |
| Affiliated | | | | | | | | | Affiliated | | | | | | | | |
| Independent | | | | | | | | | Independent | | | | | | | | |
| Total | | | | | | | | | Total | | | | | | | | |
| THEATRES AND MUSIC | | | | | | | | | MISCELLANEOUS | | | | | | | | |
| Affiliated | | | | | | | | | Affiliated | | | | | | | | |
| Independent | | | | | | | | | Independent | | | | | | | | |
| Total | | | | | | | | | Total | | | | | | | | |
| TRADE | | | | | | | | | TOTAL | | | | | | | | |
| Affiliated | | | | | | | | | Affiliated | | | | | | | | |
| Independent | | | | | | | | | Independent | | | | | | | | |
| Total | | | | | | | | | Total | | | | | | | | |
| | | | | | | | | | GRAND TOTAL | | | | | | | | |

TABLE XI
 AVERAGE MEMBERSHIP OF TRADE UNIONS AFFILIATED WITH THE AMERICAN
 FEDERATION OF LABOR AND OF INDEPENDENT UNIONS, BY GROUPS
 1934 AND 1935¹

| GROUP OF UNIONS | MEMBERSHIP OF AFFILIATED UNIONS | | | MEMBERSHIP OF INDEPENDENT UNIONS | | |
|------------------------------------|---------------------------------|-----------|--------------------|----------------------------------|------------------|---------------------|
| | 1934 | 1935 | 1934-35 CHANGES | 1934 | 1935 | 1934-35 CHANGES |
| | | | | | | |
| Mining, quarrying and oil | 544,100 | 567,300 | +23,200 | 35,000 | 35,000 | 000 |
| Building construction | 604,600 | 627,200 | +22,600 | 000 | 000 | 000 |
| Metals, machinery and shipbuilding | 210,800 | 222,400 | +11,600 | 11,000 | 14,200 | +3,200 |
| Textiles | 38,700 | 79,200 | +40,500 | 1,100 | 1,100 | 000 |
| Leather and shoes | 45,000 | 47,700 | +2,700 | 72,200 | 58,800 | -13,400 |
| Clothing | 404,700 | 427,500 | +22,800 | 000 | 000 | 000 |
| Lumber and woodworking | 10,000 | 10,200 | +200 | 000 | 000 | 000 |
| Paper, printing and bookbinding | 161,700 | 161,700 | 000 | 000 | 000 | 000 |
| Chemicals, clay, glass and stone | 46,700 | 49,700 | +3,000 | 000 | 000 | 000 |
| Food, liquor and tobacco | 81,700 | 102,200 | +20,500 | 000 | 000 | 000 |
| Transportation and communication | 352,700 | 426,900 | +74,200 | 292,500 | 299,200 | +6,700 |
| Public service | 148,600 | 161,700 | +13,100 | 150,300 | 151,200 | +900 |
| Theatre and music | 127,100 | 128,300 | +1,200 | 000 | 000 | 000 |
| Trade | 5,800 | 7,200 | +1,400 | 000 | 000 | 000 |
| Hotel and restaurant service | 47,400 | 67,900 | +20,500 | 5,500 | 000 ² | -5,500 ² |
| Domestic and personal service | 63,800 | 65,800 | +2,000 | 000 | 000 | 000 |
| Professional service | 000 | 000 | 000 | 11,000 | 12,000 | +1,000 |
| Miscellaneous | 136,600 | 164,200 | +27,600 | 000 | 000 | 000 |
| TOTAL | 3,030,000 | 3,317,100 | +287,100 | 578,600 | 571,500 | -7,100 |

¹ All figures for 1935 are preliminary.

² The Amalgamated Food Workers was dissolved in March 1935.

TABLE XII
MEMBERSHIP OF TRADE UNIONS IN SELECTED COUNTRIES, 1914, 1920-1934

| COUNTRY | 1914 ¹ | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 |
|----------------------------|-------------------|--------|--------|---------|---------|--------|--------|--------|---------|---------|---------|---------|---------|---------|--------|--------|
| Australia ² | 523.3 | 684.5 | 703.0 | 703.0 | 699.7 | 729.2 | 795.7 | 851.5 | 911.7 | 911.5 | 901.2 | 855.8 | 769.0 | 740.8 | 739.4 | .... |
| Austria ³ | 147.0 | 965.3 | 1158.5 | 1128.1 | 976.1 | 908.2 | 888.7 | 832.5 | 862.2 | 877.9 | 857.4 | 780.4 | 705.3 | 634.7 | 537.2 | 261.1 |
| Belgium ⁴ | 203.0 | .... | 885.0 | 780.9 | 764.5 | 750.7 | 727.0 | 696.7 | 685.7 | .... | 709.4 | 748.0 | 804.5 | .... | .... | .... |
| Canada ⁵ | 134.3 | 373.8 | 313.3 | 276.6 | 278.1 | 260.6 | 271.1 | 274.6 | 290.3 | 300.6 | 319.5 | 322.4 | 310.5 | 283.6 | 286.2 | 281.8 |
| France ⁶ | 1026.0 | 1581.0 | .... | 1768.5 | 1809.0 | 1805.0 | 1846.0 | 1181.0 | .... | .... | .... | 1237.0 | .... | .... | .... | .... |
| Germany ⁷ | 2166.8 | 9192.9 | 8779.0 | 12530.0 | 13309.0 | 5371.0 | 6604.4 | 6291.9 | 6960.9 | 7561.3 | 7071.0 | 7670.5 | .... | .... | .... | .... |
| Great Britain ⁸ | 4143.0 | 8346.0 | 6631.0 | 5624.0 | 5428.0 | 5543.0 | 5505.0 | 5219.0 | 4918.0 | 4806.0 | 4857.0 | 4841.0 | 4623.0 | 4440.0 | 4387.0 | 4567.0 |
| Italy ⁹ | 962.0 | 3587.0 | 2257.0 | 1455.3 | 1514.6 | 2381.0 | 2530.5 | 2411.5 | .... | 2921.8 | 3093.0 | 3561.0 | 3732.9 | 4033.0 | 4475.3 | 4698.0 |
| Japan ¹⁰ | .... | .... | 103.4 | 137.4 | 125.6 | 228.3 | 254.3 | 284.7 | 309.5 | 308.9 | 331.0 | 354.3 | 369.0 | 377.6 | .... | .... |
| New Zealand ¹¹ | 74.0 | 96.4 | 97.7 | 96.8 | 94.4 | 96.8 | 100.5 | 99.6 | 101.1 | 104.0 | 102.6 | 101.5 | 90.5 | 79.3 | 71.9 | .... |
| Russia ¹² | .... | 5220.0 | 7913.6 | 4546.3 | 5550.9 | 6430.5 | 7847.0 | 8768.2 | 10441.0 | 10584.0 | 11220.0 | 12066.0 | 13554.0 | 16500.0 | .... | .... |
| Spain ¹³ | .... | 211.3 | .... | 208.2 | 210.6 | 210.9 | 217.4 | 219.4 | 223.3 | 320.3 | 258.2 | 287.3 | 956.5 | 1041.6 | .... | .... |
| United States | 2687.1 | 5047.8 | 4781.3 | 4027.4 | 3622.0 | 3536.1 | 3519.4 | 3502.4 | 3546.5 | 3479.8 | 3442.6 | 3392.8 | 3358.1 | 3144.3 | 2973.0 | 3608.6 |

¹ Leo Wolman, *Growth of American Trade Unions, 1880-1923*, pp. 65, 124.
² *Official Year Book of the Commonwealth of Australia*, annually.
³ Compiled from information received from the American Consulate in Vienna.
⁴ *International Labour Review*, Vol. 16, No. 3, for 1921-25; *Reports of the Trade Union Commission of Belgium for 1926-27 and 1929; Yearbooks of the International Labour Office for 1930-31*.
⁵ Department of Labour of Canada, *Labour Organization in Canada*, annually.
⁶ *Annuaire Statistique*, Vol. 48, p. 258.
⁷ *Statistisches Jahrbuch für das Deutsche Reich*, annually, for 1920-21 and 1924-30; *Reichsarbeitsblatt*, *Nichtamtli. Teil*, January 1924, pp. 20-22, for 1922-23.
⁸ *Ministry of Labour Gazette*, October 1935, p. 373; includes Northern Ireland.
⁹ Compiled from data contained in a letter from the Italian Consulate in New York.
¹⁰ *International Labour Office, Studies and Reports*, Series A, No. 37, p. 116, for 1921-29; U. S. Bureau of Labor Statistics, *Monthly Labor Review*, October 1933, p. 892, for 1930-32.
¹¹ *New Zealand Official Year Book*, annually.
¹² *International Labour Review*, Vol. 16, No. 3, for 1920-26; *Bulletins* issued by the Commissariat for Foreign Affairs for 1927-32.
¹³ *Estadístico de España*, annually.