

New Electric Railway Track Built in 1915

Reports Received From Different Railway Companies Show a New Electric Mileage of 1044.22 Constructed During the Past Year—Falling Off in New Track Built, but Marked Increase in New Electrified Mileage

THE single-track mileage of new track built or electrified and placed in operation during 1915 by city systems, interurban lines and electrified steam lines is tabulated in the accompanying lists. The statistics are compiled from reports received from the railway companies themselves and the record is complete, except in the case of a few of the small lines whose replies were not received in time for inclusion in the list.

The following summary, compiled from the past annual statistics of the ELECTRIC RAILWAY JOURNAL, shows the single-track mileage of new track built, steam line electrified, and total new electric mileage placed in operation since 1907 in the United States and Canada:

	New Electric Railway Track Built	Electrified Steam Line	Total New Electric Mileage
1907.....			1,880.0
1908.....	1,174.5	84.0	1,258.5
1909.....	774.7	112.4	887.1
1910.....	1,204.8	192.4	1,397.2
1911.....	1,105.0	86.5	1,191.5
1912.....	869.4	80.8	950.2
1913.....	974.9	119.0	1,093.9
1914.....	716.5	229.9	946.4
1915.....	596.0	448.2	1,044.2

The total mileage of new track, 596 miles, shows a decrease of 17 per cent from that recorded last year. This decrease, however, is offset by the high record electrified mileage during 1915 of 448.2 miles, which makes the total new electric mileage placed in operation 1044.2 miles, or a 9 per cent increase over the similar figure for last year.

Montana heads the list of States with 162.34 miles reported, 160.65 miles of which is included by the Chicago, Milwaukee & St. Paul Railway's recently opened main line electrification between Three Forks and Deer Lodge, Mont. Pennsylvania ranks second with 119.88 miles of track, 93.60 miles of which was contributed by

the Philadelphia-Paoli electrification of the Pennsylvania Railroad. Michigan is third with 115.25 miles, which consists mostly of 58.33 miles of the Michigan Railway's new interurban line between Cooper, Plainwell, Martin, Shelbyville, Bradley, Wayland, Moline, Corinth and Fisher, and 40.65 miles of electrification of the Michigan Central Railroad's former steam line between Battle Creek and Allegan, making a total of 98.98 miles for this company. The second greatest new mileage placed in operation by any interurban railway was 80 miles constructed in Utah by the Ogden, Logan & Idaho Railway. This mileage included 74 miles between Brigham City, Honeyville, Deweyville, Collinston, Summit, Mendon, Wellsville, Hyrum, Logan, Smithfield, Richmond, Lewiston and Preston, Idaho, and 6 miles between Idlewild and Huntsville.

The total mileage of electrified steam lines is recorded at 448.2, as compared with 229.9 last year, or an increase of 95 per cent over 1914. Owing to the unusual number of companies which electrified track this year, a special list of these companies is given below. These railways are also included in the comprehensive table of companies below this text matter.

Electrified Line	Miles
Chicago, Milwaukee & St. Paul Ry.—Between Three Forks and Deer Lodge, Mont.....	160.65
Norfolk & Western Ry.—Between Bluefield and Vivian.....	94.82
Pennsylvania Railroad—Between Philadelphia and Paoli.....	93.60
Michigan Ry.—Electrification of Michigan Central R. R. between Battle Creek and Allegan.....	40.65
New York, New Haven & Hartford R. R.—Yards and sidings.....	28.00
London & Port Stanley Ry.—Between Westminster, Glanworth, Yarmouth, St. Thomas and Port Stanley.....	24.00
Southern Oregon Trac. Co.—Electrification of Rogue River Valley Ry. between Jacksonville and Medford.....	6.50
Total.....	448.22

The electric railways of Canada placed in service 54.73 miles of new track as compared with 59.67 miles in 1915, or a decrease of 8 per cent.

State	Miles
ARIZONA	
Birmingham Ry., Light & Power Co.....	1.10
ALABAMA	
Phoenix Railway Co. of Arizona.....	4.00
Tucson Rapid Transit Co.....	1.50
ARKANSAS	5.50
Pine Bluff Co.....	.50
CALIFORNIA	22.64
Fresno Interurban R. R.—Fresno and suburban.....	4.50
Pacific Electric Ry.—Riverside-Corona extension.....	11.04
Peninsular Ry.....	.23
Riverside, Rialto & Pacific R. R.....	.41
San Francisco Municipal Ry.....	4.16
San Jose Railroads.....	.10
Visalia Electric R. R.....	2.20
COLORADO	.14
Denver Tramway.....	.14
CONNECTICUT	30.88
New York, New Haven & Hartford R. R.....	28.00
Connecticut Co.....	2.88
DELAWARE	.25
Wilmington & Philadelphia Traction Co.....	.25
DISTRICT OF COLUMBIA	2.18
Washington Railway & Electric Co.....	2.18

State	Miles
FLORIDA	7.04
Central of Florida Ry.....	1.00
Jacksonville Traction Co.....	1.83
Miami Traction Co.....	3.50
Pensacola Elec. Co.....	.24
Tampa Electric Co.....	.47
GEORGIA	1.12
Savannah Electric Co.....	.12
Georgia Ry. & Power Co.....	1.00
ILLINOIS	28.98
Centralia Traction Co.—Between Centralia and Wamac..	.02
Chicago & Interurban Traction Co.—Harvey.....	.91
Chicago Surface Lines.....	18.00
City Ry.—Mt. Vernon.....	1.00
Evanston Ry.....	.15
Metropolitan-West Side Elevated Ry.....	1.50
Peoria Ry.....	.85
Public Utilities Co.—Evansville.....	2.12
Rockford City Traction Co.....	1.00
Sterling, Dixon & Eastern Elec. Ry.—From Dixon to new State Colony Grounds.....	2.00
Tri-City Ry.....	1.43
INDIANA	1.60
Gary, Hobart & Eastern Traction Co.....	.50
Indianapolis Trac. & Term. Co.....	1.60
IOWA	2.00
Charles City-Western Ry.—Between Niles and Colwell....	8.00
Iowa City Electric Ry.....	1.00
Sioux City Service Co.....	.50
Waterloo, Cedar Falls & Northern Ry.....	2.00

KANSAS		Miles
Arkansas Valley Interurban Ry.—Between Burrton and Hutchinson	24.00	.80
Hutchinson Int. Ry.		
Kansas City, Kaw Valley & Western Ry.—Between Bonner Springs, Linwood and Lawrence	24.00	1.00
Salina Street Ry.		.50
Topeka Ry.		50.30
KENTUCKY		
Louisville Ry.	3.02	3.02
LOUISIANA		
Orleans-Kenner Elec. Ry.—Between Southport, Shreveport and Harahan City	11.50	11.50
MAINE		
Bangor Ry. & Elec. Co.	.05	.05
MASSACHUSETTS		
Bay State Street Ry.—Tewksbury	.15	.37
Boston Elevated Ry.		.57
Springfield Street Ry.—Between Springfield and Westfield		1.09
MICHIGAN		
Detroit United Ry.—Between Almont and Imlay City, 8.12 miles; Detroit, 4.05 miles; Flint, 3.31 miles	15.48	.39
Grand Rapids Ry.		
Michigan Ry.—New electric line between Cooper, Plainwell, Martin, Shelbyville, Bradley, Wadland, Moline, Corinth and Fisher, 58.33 miles; electrification of Michigan Central R. R. between Battle Creek and Allegan, 40.65 miles	98.98	.40
Michigan United Traction Co.		115.25
MINNESOTA		
Duluth Street Ry.	1.90	
Electric Short Line Ry.—Between Moline, Lyndale, Wattertown and Winsted	22.00	
Minneapolis, St. Paul, Rochester & Dubuque Elec. Traction Co.—Main line cut-off into city of Minneapolis	17.86	2.00
Wisconsin Ry., Light & Power Co.—Lacrosse, Wis.		43.78
MISSISSIPPI		
Hattiesburg Traction Co.	.34	.34
MISSOURI		
Metropolitan Street Ry.—Kansas City	9.92	
Mexico Investment & Construction Co.—Between Molino and Santa Fe	7.00	16.92
MONTANA		
Anaconda Copper Mining Co.	1.39	
Chicago, Milwaukee & St. Paul Ry.—Between Three Forks and Deer Lodge; 110 miles of main track; 50.65 miles of side tracks and yards	160.65	.30
Missoula Street Ry.		162.34
NEBRASKA		
Lincoln Traction Co.	2.00	2.00
NEW JERSEY		
Bucks County Interurban Ry.	.27	
Public Service Ry.—Parkhurst St., Clinton Ave. to Broad St., Newark, 23 miles; Carteret extension, private right-of-way near Walnut St. to Carteret Ave and Woodbridge Ave., Roosevelt Borough, 1.47 miles	1.70	1.97
NEW YORK		
Black River Traction Co.—Watertown	.95	
Brooklyn Rapid Transit System—3.88 miles of elevated third tracking; 9.47 miles of elevated extensions	13.35	.86
Central New York Southern R. R.		
Hudson Valley Ry.—Saratoga Springs, 12 miles; Glens Falls, 1.36 miles	1.48	2.58
Interborough Rapid Transit Co.—Queensboro Subway	1.00	.63
International Ry.		.50
Ithaca Traction Corp.		.56
Manhattan & Queens Traction Co.		1.52
New York State Railways		1.42
Schenectady Ry.—Nott St. and Grand Blvd. extension		
United Traction Co. of Albany		24.85
NORTH CAROLINA		
Atlanta & Carolina R. R.	11.00	
Durham Traction Co.	2.10	1.00
Goldboro Elec. Ry.		14.10
OHIO		
Cleveland, Alliance & Mahoning Valley R. R.—Between Newton Falls and Leavittsburg	6.00	15.00
Cleveland Ry.		
Hocking-Sunday Creek Traction Co.—Between Chauncey and Athens	6.50	3.50
Northern Ohio Traction & Light Co.—City extensions	2.20	2.50
Portsmouth Street R. R. & Light Co.—Portsmouth	2.50	2.00
Springfield Ry.		
Toledo, Bowling Green & Southern Traction Co.—Findlay		37.70

OKLAHOMA		Miles
Bartlesville Interurban Ry.	2.00	17.00
Cushing Traction Co.—Between Cushing and Drumright		19.00
OREGON		
Pacific Power & Light Co.		1.00
Southern Oregon Traction Co.—Electrification of Rogue River Valley Ry. between Jacksonville and Medford		6.50
Willamette Valley Southern Ry.—Between Oregon City and Mount Angel		32.00
		39.50
PENNSYLVANIA		
Hershey Transit Co.—Between Hershey and Elizabethtown		10.00
Lehigh Traction Co.—Relocation of track approaching Finland		.50
Mahoning & Shenango Ry. & Light Co.—New Castle, 3147 ft.; Leavittsburg, 600 ft.		.79
Lewisburg, Milton & Watsonstown Passenger Ry.		.19
Pennsylvania R. R.—Electrification of Philadelphia-Paoli Division		93.60
Philadelphia Rapid Transit Co.		.30
Scranton & Binghamton R. R.—Extension to Brooklyn		10.00
South Fork-Portage Ry.—Between Wilmore, Summer Hill and Portage		4.00
Warren Street Ry.		.50
		119.83
RHODE ISLAND		
Newport & Providence Ry.—Extension with steel bridge to grounds of U. S. N. Training Station, Newport	.18	.80
Rhode Island Co.		.98
SOUTH CAROLINA		
Columbia Ry., Gas & Elec. Co.	1.00	1.00
TEXAS		
Corpus Christi Ry. & Light Co.—City extension		2.00
Northern Texas Traction Co.—1.23 miles of city track; 1.68 miles of second track added along Dallas-Fort Worth interurban line		2.91
San Antonio Trac. Co.		.59
		5.50
UTAH		
Ogden, Logan & Idaho Ry.—74 miles between Brigham City, Honeyville, Deweyville, Collinston, Summit, Mendon, Wellsville, Hyrum, Logan, Smithfield, Richmond, Lewiston and Preston, Idaho; 6 miles between Idlewild and Huntsville		80.00
Salt Lake & Utah R. R.—Between Springville and Spanish Fork		10.60
		90.60
VIRGINIA		
Newport News & Hampton Ry., Gas and Elec. Co.	1.20	.67
Lynchburg Traction & Light Co.		.50
Roanoke Ry. & Elec. Co.		2.37
WASHINGTON		
Lewiston & Clarkson Transit Co.—Between Lewiston, Idaho & Clarkson, Wash.	2.15	
Puget Sound Traction, Light & Power Co. (Seattle Division)		.28
Yakima Valley Transportation Co.		1.00
		3.43
WEST VIRGINIA		
Monongahela Valley Traction Co.—Branch at Rivesville to coal mines	1.50	
Morgantown & Wheeling Ry.—Between Cassville and Price		8.00
Norfolk & Western Ry.—Electrification of Bluefield-Vivian section		94.82
		104.82
WISCONSIN		
Milwaukee Elec. Ry. & Light Co. and Milwaukee Light, Heat & Traction Co.—Milwaukee, 1.03 miles; Racine, 1.83 miles	1.86	1.00
Sheboygan Ry. & Elec. Co.		.42
Chicago, Harvard & Geneva Lake Ry.		3.28
WYOMING		
Sheridan Ry.		.59
		.59
CANADA		
Brandon Municipal Ry.	1.27	1.25
Brantford Municipal Ry.		.01
Cape Breton Elec. Co.		.09
Chatham, Wallaceburg & Lake Erie Ry.		
London & Port Stanley Ry.—Electrification between Westminster, Glanworth, Yarmouth, St. Thomas and Port Stanley		24.00
Montreal & Southern Counties Ry.—Between St. Cesaire and Granby, Quebec		15.00
Montreal Tramways		6.60
Peterborough Radial Ry.		.04
Port Arthur Civic Ry.		.12
Sandwich, Windsor & Amherstburg Ry.		.50
Three Rivers Trac. Co.		3.00
Toronto Civic Ry.		.75
Winnipeg Elec. Ry.		2.10
		54.13
Grand Total, United States and Canada		1044.22

Electric Rolling Stock Ordered in 1915

A Tabulation Showing the Number, Type, Over-All Length and Character of Construction of All Cars Built During the Year—Compiled from Official Returns

Made by the Railway Companies

THE tables below show in detail the number of cars of all kinds, as well as electric locomotives, which were either purchased by electric railways or built in the company's shops during the past year. The list does not include freight trail cars for other than city or interurban lines, nor those used for interchange service. The total number of rolling stock equipments of all kinds ordered is 2782, a decrease of approximately 8 per cent from the number listed for the previous year. The tables, in accordance with the usual procedure, have been made up from the orders noted from week to week in the rolling stock columns of the ELECTRIC RAILWAY JOURNAL and from a canvass made at the close of the year of all the electric railways of the United States and Canada. These figures were checked against reports received from practically all of the car builders. This year about 90 per cent of all the electric roads in the country and practically all of the larger ones furnished data on blanks provided by the JOURNAL for that purpose. The size of the percentage of replies for any canvass which has to be conducted by letter and has to end on a definite date will be realized by all who have ever had to conduct similar inquiries, and for the co-operation of all the companies who thus furnished assistance the editors of this paper are deeply grateful.

The greatest number of cars ordered by any electric railway during 1915 was for 803 cars by the Interborough Rapid Transit Company, including 323 subway passenger cars, 478 subway car bodies and two dump cars. These combined orders rank second in number to only one other yearly total of orders ever placed by an electric railway, i.e., that of the Philadelphia Rapid Transit Company in 1912 for 1000 cars. For 1915 the Pittsburgh Railways rank second with a total of 215 cars ordered, including 200 city and fifteen interurban cars. The Detroit (Mich.) United Railway stands third with 156 cars ordered, including 150 city and two interurban passenger cars and four miscellaneous cars.

The number of electric locomotives ordered was only forty-three, as against seventy-eight in the preceding year. The total number of cars of all kinds built in

company's shops was 165 as against 228 in 1914. The chief work of this kind was done by the Twin City Rapid Transit Company, which built fifty-three cars and by the Public Service Railway which built fifty passenger cars.

The number of cars ordered by Canadian electric railways in 1915 was fifty-two compared with ninety-seven in the preceding year, or a decrease of 46 per cent. American car builders reported having received orders for seventeen cars from foreign electric railways, including fifteen for South America, one for Cuba and one for the Corregidor Islands. This foreign equipment included two closed passenger cars, eleven open passenger cars, three electric locomotives and one freight gondola car.

The number of one-man passenger cars ordered during the year was recorded at 77. As this figure includes only newly built cars, it is by no means an adequate measure of the increased popularity of the one-man car, owing to the fact that many cars already in service were reconstructed in 1915 into the one-man type.

Articulated cars are not included in the table, as they involve only slight remodeling of old cars with the addition of a new center section. The Boston Elevated Railway ordered forty-eight center-sections for this purpose; the Brooklyn Rapid Transit System, one center-section.

Purchases of six automobile trucks and four automobile buses, not included in the rolling stock statistics, were reported by the railways.

The following summary shows the records in condensed form for the past nine years, and gives the number of cars, classified in accordance to the service in which they are used, from 1907 to 1915:

Year	City Cars	Interurban Cars	Freight and Misc. Cars	Total
1907	3,483	1,327	1,406	6,216
1908	2,208	727	178	3,111
1909	2,537	1,245	1,175	4,957
1910	3,571	990	820	5,381
1911	2,884	626	505	4,015
1912	4,531	783	687	6,001
1913	3,820	547	1,147	5,514
1914	2,147	384	479	3,010
1915	2,072	336	374	2,782

Railway Company	No.	General Type	Motor or Trailer	Length or Over All	City or Int.	All-steel or Semi-steel or Wood	One-Man?
Alberta & Great Waterways Rys.	2	Gasoline	Motor	55-0	Int.	All-steel	No
Albuquerque Trac. Co.	7	Ps. Clsd.	Motor	.....	City	Semi-steel	Yes
Anaconda Copper Mining Co.	1	Ps. Clsd.	Motor	51-4	City	.....	No
Androscoggin Elec. Co.	5	Ps. Clsd.	Trail	45-10	City	.....	.....
	2	Ps. Clsd.	Motor	46-8	Int.	Semi-steel	No
	1	Express	Motor	36-3	Int.	Semi-steel	.....
Anniston Elec. & Gas Co.	2	Ps. Clsd.	Motor	.....	City	Steel	.....
Arkansas Valley Int. Ry.	1	Ps. Clsd.	Motor	.....	Int.	.....	.....
	1	Express	Motor	48-0	Int.	Semi-steel	.....
	2	Express	Trail	42-0	Int.	Semi-steel	.....
Ashtabula Rapid Transit Co.	1	Ps. Clsd.	Motor	38-4	City	Wood	No
Atlanta & Carolina R.R.	1	Gasoline	Motor	.....	.....	Wood	.....
	1	Ps. Clsd.	Trail	.....	.....	Wood	.....
Austin Street Ry.	3	Ps. Clsd.	Motor	30-1	City	All-steel	No
Bartlesville Int. Ry.	1	Ps. Conv.	Motor	30-0	City	Semi-steel	Yes
Beaumont Trac. Co.	7	Ps. Clsd.	Motor	28-3½	City	All-steel	.....
Binghamton Ry.	7	Ps. Clsd.	Motor	42-0	Int.	All-steel	No
	13	Ps. Clsd.	Motor	37-0	City	All-steel	.....
Boston & Worcester St. Ry.	5	Ps. Open	Motor	45-0	Int.	Semi-steel	No
	5	Ps. Clsd.	Motor	48 2	Int.	Semi-steel	No

Railway Company	No.	General Type	Motor or Trailer	Length or Over All	City or Int.	All-steel or Semi-steel or Wood	One-Man?
Boston Elev. Ry.	25	Ps. Clsd.	Trail	48-2½	City	Semi-steel	No
	1	Flat	.....	40-0	City	.....	.....
	3	Sn. Plow	.....	42-0	City	Semi-steel	.....
	2	Sweeper	.....	41-10	City	Semi-steel	.....
	3	Side-dump	.....	41-½	City	All-steel	.....
Brantford Munic. Ry.	3	Ps. Clsd.	Motor	.....	City	.....	.....
	1	Sweeper	Motor	28-3	City	Semi-steel	.....
Bridgeton & Millville Trac. Co.	1	Pass.	Motor	43-2	Int.	Semi-steel	No
Bristol & Plainville Tramway	3	Ps. Conv.	Motor	36-0	City	Semi-steel	No
Brooklyn Rapid Transit Co.	16	Sweeper	Motor	29-8	City	Semi-steel	.....
Brownsville St. & Int. Ry.	2	Ps. Clsd.	Motor	23 -0	City	Steel	Yes
Buffalo & Lake Erie Trac. Co.	10	Ps. Clsd.	Motor	45-1½	City	Semi-steel	No
Buffalo, Lockport & Rochester Ry.	1	Express	Motor	50-0	Int.	All-steel	No
Butler & Grove City Ry.	2	Internal Comb. Loco.	.....	.....	.....	.....	.....
Butte, Anaconda & Pacific Ry.	1	Ft. Loco.	Motor	80-Ton	.....	.....	.....
Carolina, Clinchfield & Ohio Ry.	1	Concrete Mixing Car	Gasoline Motor	.....	.....	.....	.....

Railway Company	No.	General Type	Motor or Trailer	Length Over All	City or Int.	All-steel or Wood	One-Man?	Railway Company	No.	General Type	Motor or Trailer	Length Over All	City or Int.	All-steel or Wood	One-Man?
Carolina Pwr. & Lt. Co.	3	Ps. Clsd.						Hocking-Sunday Creek Traction Co.	8	Ps. Clsd.	Motor		Int.	Semi-steel	No
Carolina & Yadkin River Ry.	1	El. Loco.	Motor					Huntington R. R.	1	Sn. Plow	Motor	30-2½	Int.	Semi-steel	No
Centerville, Albion & Southern Ry.	1	El. Loco.	Motor	41-6		Semi-steel		Huntsville Ry., Lt. & Pwr. Co.	4	Ps. Clsd.	Motor		City	Steel	
Central of Florida Ry.	1	Ps. Clsd.	Motor	32-0	Int.	Semi-steel		Hutchinson Int. Ry.	1	Gasoline					
	1	Pass.	Trail	28-0					2	Ps. Clsd.					Yes
	1	Ps. Stor.	Motor					Illinois Traction System	50	Hopper					
Centralia Traction Co.	2	Pass.	Motor	30-1	City	Both	No		1	Bottom					
Charleston Consol. Ry. & Ltg. Co.	6	Ps. Clsd.	Motor	41-0	City	All-steel	No	Indiana Rys. & Lt. Co.	1	Sweeper	Motor	28-3	City	Semi-steel	
Charleston Int. R. R.	2	Ps. Clsd.	Motor	45-0	City		Yes		2	Ps. Clsd.	Motor	25-0	City	Steel	Yes
	2	Express	Motor	47-3	Int.	All-steel	No	Indianapolis Trac. & Term. Co.	2	Sweeper	Motor	28-3	City	Semi-steel	
Charles City-Western Ry.	2	Ps. Clsd.	Motor					Inter-Urban Ry.	1	El. Loco.	Motor	60-Ton			
	1	Pass. and Bagg.	Motor	48-0	Int.			Interborough Rapid Transit Co. (also 974 trucks and 962 motors for composite cars transferred from subway to elevated)	12	Ps. Clsd.	Motor	51-4	Sub.	All-steel	No
Chattahoochee Valley Ry.	1	Ps. Clsd.	Motor	32-9	Int.	Semi-steel			478	Ps. Car-bodies	Motor	51-4	Sub.	All-steel	No
Chattanooga Traction Co.	2	Pass.	Trail	35-0	Int.	Semi-steel			234	Ps. Clsd.	Motor	51-4	Sub.	All-steel	No
Chicago & Joliet Elec. Ry.	1	Line				Semi-steel			77	Ps. Clsd.	Trail	51-4	Sub.	All-steel	No
Chicago & Milwaukee Elec. R. R.	15	Ps. Clsd.	Motor	55-11	Int.	Semi-steel	No		2	Dump		28-11	Sub.	All-steel	
Chicago & West Towns Ry.	1	Ps. Clsd.	Motor	45-0	City	Semi-steel		Iowa City Elec. Ry.	4	Ps. Clsd.	Motor	28-0	City	Semi-steel	Yes
Chicago, Harvard & Geneva Lake Ry.	2	Sn. Plow	Motor		Int.	Steel		Iowa Ry. & Lt. Co.	1	El. Loco.	Motor	50-Ton	Int.		
Chicago, Milwaukee & St. Paul R. R.	9	El. Loco.	Motor	260-Ton					2	Ps. Clsd.	Motor	32-0	City	Semi-steel	Yes
	2	El. Loco.	Motor	70-Ton		All-steel		Ithaca Trac. Corp.	1	Sprinkler	Motor	19-0	City	Wood	
Chicago, Waukegan & Fox Lake Trac. Co.	1	Ps. & Bagg. Gasoline Motor		55-0	Int.	All-steel		Jackson Lt. & Traction Co.	5	Ps. Clsd.	Motor	25-0	City	All-steel	Yes
Cleburne Street Ry.	6	Ps. Clsd.			City			Jamestown, Westfield & Northwestern Ry.	1	El. Loco.	Motor	45-Ton			
Cleveland & Eastern Trac. Co.	1	Ps. & Bagg. Motor		54-6	Int.	Steel		Jefferson City Bridge & Transit Co.	6	Ps. Clsd.	Motor				
	1	Pass.						Kansas City, Clay County & St. Joseph Ry.	4	Ps. Clsd.	Motor	59-0	Int.	All-steel	No
Cleveland & Erie Ry.	2	Ps. Clsd.	Motor	51-0	Int.	All-steel	No		2	Side-dump		40-0		Steel	
Cleveland Ry.	130	Ps. Clsd.	Motor	51-1	City	Semi-steel	No		1	Ditcher					
	2	Sweeper	Motor	28-3	City	Semi-steel		Kansas City, Kaw Valley & Western Ry.	3	Ps. Clsd.	Motor	50-0	Int.	All-steel	No
	3	Work	Motor		City				3	Express	Motor		Both	Semi-steel	
	6	Work	Trail		City				6	Gondola			Both	Semi-steel	
Cleveland, Painesville & Eastern R. R.	1	Ps. Clsd.	Motor	50-0	Int.	Semi-steel	No		3	Flat			Both	Semi-steel	
Cleveland, Southwestern & Columbus Ry.	4	Hopper Bottom Bagg. and Express		52-0	Int.				1	Sn. Plow			Both	Semi-steel	
	4								4	Work			Both	Semi-steel	
Columbia Ry., Gas & Elec. Co.	4	Ps. Clsd.	Motor	45-0	City		No	Lake Erie & Northern R. R.	8	Ps. Clsd.	Motor	61-0	Int.	Semi-steel	No
Columbus Ry., Pwr. & Light Co.	1	Street Flusher		40-0	City	Semi-steel			3	El. Loco.	Motor	60-Ton	Int.		
Connecticut Co.	46	Ps. Conv.	Motor	44-6	City	Semi-steel	No	Lake Shore Electric Ry.	3	Ps. Clsd.	Motor	60-0	Int.	All-steel	No
	46	Ps. Conv.	Motor	44-6	City	All-steel	No	Laredo Ry. & Elec. Co.	3	Ps. Clsd.	Motor		City		
	1	Express	Motor	41-0	Both	Semi-steel		Lehigh Traction Co.	10	Ps. Clsd.	Motor	47-2	City	All-steel	No
Corpus Christi Ry. & Lt. Co.	8	Ps. Clsd.	Motor		City		Yes	Lehigh Valley Transit Co.	2	Box	Trail	43-10	Int.	Semi-steel	
Cumberland County Pwr. & Lt. Co.	1	Pass.	Motor	46-4	Both	St'l Un. Fr.	No	Lewiston, Augusta & Waterville Street Ry.	2	Box	Motor	40-0		Stl. Un. Fr.	
Cushing Traction Co.	2	Ps. Clsd.	Motor	45-0	Int.	All-steel	No		2	Box	Trail	36-0		Wood	
Dayton, Springfield & Xenia Southern Ry.	1	Flat		33-0					20	Flat		36-0		Wood	
Dayton Street Ry.	1	Snow Sweeper	Motor	28-3	City	St'l Un. Fr.		Lincoln Traction Company.	1	Sweeper	Motor	28-3	City	Semi-steel	
Des Moines City Ry.	1	El. Loco.	Motor	60-Ton	Int.	Steel		London & Port Stanley Ry.	5	Ps. Clsd.	Motor	61-0	Int.	All-steel	No
	1	Sweeper	Motor	28-3	City	Semi-steel	No		3	Ps. Clsd.	Trail	61-0	Int.	Wood	No
	40	Ps. Clsd.	Motor		City	Semi-steel	No		1	Express	Motor	61-0		Wood	
Detroit United Ry.	2	Ps. Clsd.	Motor	58-3½	Int.	Semi-steel	No		3	El. Loco.	Motor	37-0		All-steel	
	50	Ps. Clsd.	Motor	46-10	City	All-steel	No		4	Box		34-0		Wood	
	100	Ps. Clsd.	Trail	46-8½	City	All-steel	No		4	Flat		35-0		Wood	
	2	Line	Motor	38-10	Int.	Semi-steel			3	Caboose		36-0			
Durham Traction Co.	3	Ps. Clsd.	Motor	48-0	Int.	Semi-steel		London Street Railway.	1	Flat		30-0	City	Semi-steel	
	3	Ps. Clsd.	Motor	32-7½	Int.	Semi-steel		Long Island R. R.	45	Ps. Clsd.	Trail	64-4	Int.	All-steel	
East Liverpool Trac. & Lt. Co.	15	Ps. Clsd.	Motor	45-0	City	All-steel	No		1	Sweeper	Motor	28-3	City	Semi-steel	
Eastern Pennsylvania Rys.	1	Ps. Conv.	Motor	46-0	Both	Semi-steel	No	Marshall Traction Co.	3	Ps. Clsd.	Motor	33-3	City	All-steel	Yes
Easton Transit Co.	3	Ps. Conv.	Motor	48-0	Int.	All-steel	No	Maryland Electric Rys.	1	El. Loco.	Motor	46-Ton			
Empire United Rys.	1	Parlor	Trail	52-6	Int.	Wood	No	McConnellsburg & Ft. Condon Ry.	2	Ps. Clsd.	Trail	44-0	Int.	Stl. Cork Lined	
	1	Sweeper		28-3	City	Wood		Menominee & Marinette Lt. & Trac. Co.	1	Ps. Clsd.	Motor	36-0	City	Semi-steel	Yes
Ephrata & Lebanon Trac. Co.	5	Dump							1	Ps. Clsd.	Trail	35-0	City	All-steel	Yes
Florida-East Coast Ry.	1	Ps. Gas-Elec.	Motor	70-0	Int.	All-steel		Metropolitan Street Ry.	50	Ps. Clsd.	Motor	44-10	City	Semi-steel	No
									2	Sweeper	Motor	28-3	City	Semi-steel	
Ft. Dodge, Des Moines & Southern Ry.	3	Ps. Clsd.	Motor	50-0	Int.	Steel	No	Miami Traction Co.	4	Ps. Clsd.	Motor	28-1½	City	Wood	No
	2	Ps. Clsd.	Motor	32-0	City	Semi-steel	Yes	Michigan Ry.	2	Ps. Clsd.	Motor	67-6	Int.	Steel	No
	2	Ft. Loco.	Motor	60-Ton		Steel			10	Box		50-0	Int.	Steel	
Goldsboro Elec. Ry.	2	Ps. Clsd.	Motor	30-0	City	Wood	Yes	Minneapolis, St. Paul, Rochester & Dubuque Elec. Trac. Co.	12	Ps. Clsd.	Trail	57-4	Int.	Semi-steel	No
Grand Rapids, Holland & Chicago Ry.	1	Express	Motor	52-0	Int.	All-steel	No		2	Gas-Elec.	Motor		Int.		No
Hagerstown & Frederick Ry.	2	Ps. & Smo.	Motor	48-1	Int.	Semi-steel	No		3	Gas-El. Loco.	Motor		Int.		
	1	Ps. Conv.	Motor	31-6½	City	Semi-steel	Yes	Mobile & Ohio Ry.	45	Box	Trail	36-0	Int.	Stl. Un. Fr.	
	2	Ft. Loco.	Motor			All-steel			1	Ps. Clsd.	Motor		Int.	Wood	Yes
Halifax Electric Ry.	6	Ps. Clsd.	Motor	29-8	City			Monongahela Valley Trac. Co.	3	Ps. Conv.	Motor	32-0	City	Wood	No
Hammond, Whiting & East Chicago Ry.	4	Pass.	Motor		City	Semi-steel	No		3	Express	Trail	30-0	Int.	Wood	
Hawkinsville & Florida Southern R. R.	2	Gas-Elec.	Motor		Int.			Morgantown & Wheeling Ry.	1	Box		35-6	Int.	Wood	
Hershey Transit Co.	2	Ps. Conv.	Motor	41-8	Int.	Semi-steel	No	Mount Vernon Ry.	3	Ps. Clsd.	Motor	40-0	Int.	Semi-steel	No
								Muscatine & Iowa City Ry.	4	Ps. Gas-Elec.	Motor		Int.		
								Nassau County Ry.	1	Ps. Conv.	Motor	33-4	City	Semi-steel	Yes
								New York & Long Island Trac. Co.	6	Ps. Clsd.	Motor	42-5	Int.	Semi-steel	No
								New York Municipal Rys.	100	Ps. Clsd.	Motor	67-0	Sub.	All-steel	No
								New York Rys.	1	Sweeper	Motor	61-0	City		
								New York State Rys.	1	Ps. Clsd.	Motor	50-0	City	Semi-steel	No
								New York, Westchester & Boston Ry.	10	Ps. Clsd.	Motor	72-0	Int.	All-steel	No
									5	Ps. Clsd.	Trail	72-0	Int.	All-steel	No

Railway Company	No.	General Type	Motor or Trailer	Length Over All	City or Int.	All-steel Semi-steel or Wood	One-Man?
Northern Ohio Traction & Light Co.	1	Bagg. Line	Motor	60-0	Int.	Semi-steel	.....
Northwestern Elev. R. R.	122	Ps. Clsd.	Motor	48-0	City	Steel	No
Norton & Taunton St. Ry.	7	Ps. Clsd. Sn. Plow	Motor	30-1	City	.....	No
Norwich & Westerly Traction Co.	1	Flat	Motor	44-0	.....	.....	.....
Ogden, Logan & Idaho Ry.	12	Ps. Clsd.	Motor	61-8	Int.	All-steel	No
Ogdensburg Street Ry.	2	Ps. Clsd.	Motor	61-8	Int.	All-steel	No
Ohio Electric Ry.	4	El. Loco.	Motor	50-Ton	Int.	.....	.....
Ohio River Elec. Ry. & Pwr. Co.	1	Ps. Clsd.	Motor	32-0	City	.....	Yes
Ohio Valley Traction Co.	6	Ps. Clsd.	Motor	60-0	Int.	Semi-steel	No
Oklahoma Ry.	4	Ps. Clsd.	Motor	54-7 1/2	Int.	Stl. Fr.	No
Otsago & Herkimer R. R.	2	Express	Motor	50-0	Int.	.....	.....
Parkersburg, Marietta & Interurban Ry.	8	Ps. Clsd.	Motor	40-11	City	All-steel	No
Pennsylvania & Ohio Ry.	1	Express	Motor	50-0	Int.	Wood	.....
Petauma & Santa Rosa Ry.	2	Pass. and Bagg.	Motor	53-0	Int.	All-steel	No
Philadelphia & Western Ry.	1	Sweeper	.....	.....	.....	.....	.....
Phoenixville, Valley Forge & Stratford Elec. Ry.	2	Ps. Conv.	Motor	31-6 1/2	Int.	Semi-steel	Yes
Pittsburgh Railways	150	Ps. Conv.	Motor	45-10	Int.	Wood	No
Port Arthur Civic Ry.	50	Ps. Conv.	Motor	45-0	City	Steel	No
Portsmouth St. Ry. & Lt. Co.	15	Ps. Clsd.	Motor	52-8	Int.	Steel	No
Princeton Power Co.	1	Sn. Plow and Sweeper	Motor	31-0	City	Semi-steel	.....
Public Service Ry.	2	Ft. Loco.	Motor	50-Ton	.....	.....	.....
Rhode Island Co.	2	Pass. & Bagg.	Motor	43-0	Int.	All-steel	No
Rio Grande Ry.	20	Ps. Open	Motor	48-8	City	Semi-steel	No
Saginaw-Bay City Ry.	1	Ps. Clsd.	Motor	51-6	City	Semi-steel	No
Salina Northern R. R.	29	Ps. Clsd.	Motor	47-0	City	Semi-steel	No
Salina St. Ry.	2	Work	.....	34-1	.....	.....	.....
Salt Lake & Ogden Ry.	1	Work with Hoist	.....	41-6	.....	.....	.....
Salt Lake & Utah R. R.	1	Crane	.....	42-6	.....	.....	.....
San Francisco Municipal Ry.	1	El. Loco.	Motor	12-Ton	.....	.....	.....
Sandwich, Windsor & Amherstburg Ry.	1	Work	.....	.....	.....	.....	.....
Sapulpa & Oil Fields Ry.	2	Int. Comb. Loco.	.....	.....	.....	.....	.....
Scioto Valley Traction Co.	2	Ps. Clsd.	Motor	.....	City	.....	.....
Seranton Ry.	1	Ps. Open	Motor	.....	Int.	All-steel	No
Seranton & Binghamton R. R.	2	Ps. Open	Motor	.....	Int.	All-steel	No
Seattle Municipal Street Ry.	6	Excur.	Motor	60-0	Int.	All-steel	No
Sheboygan Railway & Lt. Co.	2	Ps. Clsd.	Motor	61-0	Int.	All-steel	No
Sheridan Ry.	1	Express	Motor	42-0	Int.	All-steel	.....
Shore Line Electric Ry.	1	Work	.....	.....	.....	.....	.....
Sioux Falls Traction System	1	Work	.....	.....	.....	.....	.....
Slate Belt Electric Street Ry.	2	Ps. Clsd.	Motor	.....	.....	.....	.....
Somerset Traction Co.	1	Dump	.....	.....	.....	.....	.....
South Covington & Cincinnati St. Ry.	1	Box	.....	40-0	Int.	Semi-steel	.....
Southern Pacific R. R.	1	Sweeper	Motor	27-8	City	Semi-steel	.....
Southern Public Utilities Co.	4	El. Loco.	Motor	60-Ton	.....	.....	.....
South west-Missouri R. R.	7	Ps. Clsd.	Motor	26-0	City	Steel	Yes
Southwestern Gas & Elec. Co.	6	Ps. Clsd.	Motor	40-0	City	Semi-steel	.....
Springfield (Ohio) Ry.	3	Ps. Clsd.	Motor	42-0	City	Semi-steel	No
Springfield (Mass.) Street Railway	3	Ps. Clsd.	Motor	32-8	City	Semi-steel	No
Stuebenville & East Liverpool Ry. & Lt. Co.	1	Sweeper	Motor	28-3	City	Semi-steel	.....
Stuebenville Ry.	2	Ps. Conv.	Motor	44-4	City	Semi-steel	No
Terre Haute, Indianapolis & Eastern Trac. Co.	2	Dump	.....	44-5	.....	Steel	.....
Three Rivers Trac. Co.	1	Service	.....	36-0	.....	.....	.....
Tidewater Power Co.	3	Ps. Clsd.	Motor	44-2	Int.	Semi-steel	No

Railway Company	No.	General Type	Motor or Trailer	Length Over All	City or Int.	All-steel Semi-steel or Wood	One-Man?
Tiffin, Fostoria & Eastern Elec. Ry.	2	Ps. Clsd.	Motor	54-9	Int.	All-steel	No
Toledo, Bowling Green & Southern Trac. Co.	2	Ps. Clsd.	Trail	47-0	Int.	All-steel	No
Toledo & Western R. R.	1	Rail Bonding	.....	.....	.....	.....	.....
Toronto Civic Ry.	1	Express	Motor	51-0	Int.	All-steel	No
Toronto Suburban Ry.	1	El. Loco.	Motor	60-Ton	Int.	All-steel	No
Tucson Rapid Transit Co.	4	Ps. Clsd.	Motor	34-0	City	Semi-steel	No
Tuscaloosa Ry. & Utilities Co.	1	Sweeper	Motor	28-3	City	Semi-steel	.....
Twin City Rap. Tran. System	6	Ps. Clsd.	Motor	55-0	Int.	.....	No
Union Pacific R. R. (Kearney, Neb.-Stapleton Branch)	4	Ps. Clsd.	Motor	26-6	City	.....	Yes
Union Traction Company, Coffeyville, Kan.	1	El. Loco.	Motor	.....	.....	.....	.....
Union Trac. Co. of Indiana	1	Gasoline Bagg. Mail & Express Pass.	Motor	70-0	Int.	Steel	.....
United Railroads of San Francisco	1	Trail	.....	70-0	Int.	Steel	.....
United Trac. Co. of Albany	1	Express	Motor	40-0	Int.	Semi-steel	.....
Valley City St. & Int. Ry.	2	Sweeper	.....	.....	.....	.....	.....
Walnut Ridge & Hoxie Lt. Pwr. & Transit Co.	1	Ps. Clsd.	Motor	47-0	City	Semi-steel	No
Warren & Jamestown Street Ry.	15	Ps. Clsd. Sweeper	Motor	33-4	City	Semi-steel	No
Washington, Baltimore & Annap. Elec. R. R.	3	Ps. Clsd.	Motor	28-3	City	Semi-steel	.....
Water, Light & Transit Co. of Carrollton, Mo.	1	Ps. & Bagg. Motor	.....	52-0	Int.	Semi-steel	No
West Penn Traction Company	1	Ps. Clsd.	Motor	.....	.....	.....	.....
Wilmington & Philadelphia Trac. Co.	1	Comb. Ps., Bagg. & Smoker	.....	43-11 1/2	Int.	Stl. Fr.	No
Woodstock & Sycamore Trac. Co.	5	Ps. Clsd.	Motor	.....	Int.	All-steel	No
Wilkes-Barre & Hazleton Ry.	1	Pass.	.....	38-0	Int.	Steel	No
Wisconsin-Minnesota Light & Pwr. Co.	2	Ps. Clsd.	Motor	58-0	Int.	All-steel	No
Worcester Consol. St. Ry.	1	Sweeper	Motor	28-3	City	Semi-steel	.....
Youngstown & Southern Ry.	31	Ps. Clsd.	Motor	41-0	City	Steel	No

Accidents from Automobiles

The following statistics were compiled by Frederick Rex, of the Municipal Reference Library in Chicago, from the United States Census Bureau records. They were prepared for use in connection with the preparation of a municipal ordinance and show the total number of deaths from automobile accidents in cities of the United States having a population of 300,000 and over for the years 1913 and 1907, with percentage of increase in total for year 1913 over 1907, also the number of deaths from automobile accidents in Germany for the year 1912.

City	Population in 1913	Number of Deaths from Automobile Accidents		Per Cent Increase in Number of Deaths from Automobile Accidents in 1913 Over 1907
		1913	1907	
New York City	5,198,888	305	55	454.5
Chicago	2,344,078	123	15	720.0
Philadelphia, Pa.	1,631,956	52	11	372.7
St. Louis, Mo.	723,347	45	5	800.0
Boston, Mass.	722,465	40	9	344.4
Cleveland, Ohio	622,699	44	5	780.0
Baltimore, Md.	574,575	13	3	500.0
Pittsburgh, Pa.	557,773	35	10	250.0
Detroit, Mich.	520,586	66	8	725.0
Buffalo, N. Y.	446,889	29	7	314.3
San Francisco, Cal.	440,995	32	15	113.3
Milwaukee, Wis.	408,683	17	3	466.6
Cincinnati, Ohio	398,452	16	5	220.0
Newark, N. J.	379,211	20	5	300.0
Los Angeles, Cal.	412,466	69	5	1,280.0
New Orleans, La.	355,958	12	1	1,100.0
Washington, D. C.	348,077	16	3	433.3
Minneapolis, Minn.	333,472	9	1	800.0
Total	16,420,510	948	166	471.0
Germany (1912)	64,925,993	442	..	.....