Electric Railway Journal

Volume 69

January to Jnne, 1927

McGraw-Hill Publishing Company, Inc.

Tenth Avenue at Thirty-sixth Street
New York City

Getting the Most from the Index

This is essentially a subject index, not an index of titles, and articles treating a number of different subjects are listed under each of them. In addition, a geographical reference is published wherever the article relates to any particular railway company, city, state or nation. Entries about an electric railway are under the name of the city in which the main office of the company is located, but in the case of electrified sections of steam railroads, the entries appear under the name of the railroad.

In the subject index, the alphabetical method is followed. If there is a choice of two or three keywords the one most generally used has been selected, cross references being supplied. Below is a list of the common keywords used in the index to this volume. This list has been subdivided for convenience into fourteen general subjects.

The headings which appear in the index itself are in small type under the general classifications. The main headings in capitals below do not appear in the index. The list of keywords is revised from time to time to keep the index abreast with developments.

As an example of how to use the index, if a reader wishes to locate an article on special trackwork he obviously would look in the list below at the general subject "Track." Under this caption, only "Special trackwork" could apply to the article in question. The reader would therefore refer to this keyword under S in the body of the index.

In addition to the groups of articles covered by these headings, papers and reports from railway associations are grouped under the names of the various organizations. Proceedings of other associations and societies are indexed in general only in accordance with the subject discussed. Short articles about machine tools appear only under the heading "Repair shop practice; shop methods and equipment" and are not indexed alphabetically, because there is a wide choice in most cases of the proper keyword to be used.

Signed articles also are indexed by the name of the author. When the name of the author is known to the reader this provides the simplest method of locating any article.

CLASSIFIED LIST OF KEYWORDS

ACCIDENTS AND ACCIDENT PREVENTION

Accident claim department Accident prevention Accidents (including wrecks) Insurance, Fire Safety work Storm and fire damage

ELECTRIC CARS AND SERVICE CARS

Cars (including car design) Locomotives Service and tower trucks Trackless trolley

CAR EQUIPMENT

Bearings Brakes and compressors Brakes and compressors
Doors, car
Electrical equipment for cars
(except motors)
Gears and pinions
Heaters, electric
Lighting and lighting fixtures
Motors, Electric
Resistors
Seate Trolley wheels Trucks Wheels and axles

EMPLOYEES

Education Employees Insurance and pensions Labor Strikes and arbitrations Wage decreases Wage increases Wages and working agreements

FARES

Fare collection (including apparatus)
Fare decreases
Fare Increases
Fares Traffic investigations Traffic stimulation

FINANCIAL, LEGAL AND STATISTICS

Accounting
Appraisal of railway property
Blanks and forms
Discontinuance of lines
Financial (methods of financing)
Financial reports
Franchises
Insurance, Fire
Insurance and pensions
Legai Legial
Legislation for railways
Market conditions
Operating records and costs
Public service and regulative
commissions
Statistics
Tayes

HEAVY ELECTRIC ' TRACTION

Taxes

Heavy electric traction (general) Locomotives

MAINTENANCE OF EQUIPMENT

Car cleaning Lubrication Maintenance practice
Motor buses, Practice with
Painting
Repair shop practice; cars and car equipment
Repair shop practice; shop
methods and equipment
Repair shops and equipment Stores
Tests of materials and equipment

MOTOR BUSES

Motor buses, design
Motor buses, gas-electric
Motor buses, field for
Motor buses, installations
Motor buses, jitney competition
Motor buses, operating practice
Motor buses, regulation

POWER Energy checking dev Energy consumption Fuels devices Overhead contact system

POWER-Continued

Power distribution
Power generation
Power stations and equipment
Power transmission Substations and equipment

STRUCTURES

Bridges Bridges Carhouses and storage yards Power stations and equipment Repair shops and equipment Substations and equipment Terminals and waiting stations

Pavements Rail joints and bonds Rails Special trackwork Ties Track construction Track maintenance

TRAFFIC AND TRANSPORTATION

Advertising
Customer ownership
Dispatching
Freight and express
Interurban railways
Merchandising transportation
Parking of cars
Publicity
Public, Relations with
Rapid transit (elevated and subway) subway) Schedules and timetables Schedules and timetable Signals Street traffic congestion Traffic investigations Traffic stimulation Transportation. Metropolitan (general studies)

MISCELLANEOUS

European practice Management
Noise reduction
Railways (general)
Snow and ice removal
Standardization Wood preservation

INDEX TO VOLUME 69

INGED DI WELLE	
January 1 1 to 66	
January 8 67 to 104	
January 15 105 to 150	
January 22 151 to 190	
January 29 191 to 230	
February 5 231 to 272	
February 12 273 to 316	
February 19 317 to 364	
February 26 365 to 404	
March 5 405 to 442	
March 12 443 to 478	
March 19 479 to 558	
March 26 559 to 598	- 1
April 2 599 to 638	
April 9 639 to 678	
April 16 679 to 724	
April 23 725 to 762	
April 30 763 to 802	
May 7 803 to 848	
May 14 849 to 890	
May 21 891 to 936	
May 28 937 to 984	
June 4 985 to 1024	
June 11	
June 181071 to 1124	
June 25	
	-
A	1
Δ	
	-
Accident claim department:	-
Progress in adjusting claims, Comments on, 1073.	-
Accident claim department: —Progress in adjusting claims, Comments on, 1073. —Public relations affected by, Comments on, 660.	4
—Progress in adjusting claims, Comments on, 1673. —Public relations affected by, Comments on, 660. Accident prevention:	-
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention; Accident prevention bonus aids [Hodges],	4
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention: Accident prevention bonus aids [Hodges], 215. Accident prevention work, Third Ave. Ry.	4
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention: Accident prevention bonus aids [Hodges], 215. Accident prevention work, Third Ave. Ry.	4
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention: Accident prevention bonus aids [Hodges], 215. Accident prevention work, Third Ave. Ry.	4
Progress in adjusting claims, Comments on, 1073. Public relations affected by, Comments on, 600. Accident prevention; Accident prevention bonus aids [Hodges], 215. Accident prevention work, Third Ave. Ry. [Segard], 216. Atlanta, Ga. Campaign, 550, 926, 1112. Boston, Mass., No-accident Week, 750. Chicago, Ill., Prizes awarded for, 667. Detroit, Mich., Campaign results, 1004. Discussed by Canadian Electric Ry, Assn., 1050.	4
Progress in adjusting claims, Comments on, 1073. Public relations affected by, Comments on, 600. Accident prevention; Accident prevention bonus aids [Hodges], 215. Accident prevention work, Third Ave. Ry. [Segard], 216. Atlanta, Ga. Campaign, 550, 926, 1112. Boston, Mass., No-accident Week, 750. Chicago, Ill., Prizes awarded for, 667. Detroit, Mich., Campaign results, 1004. Discussed by Canadian Electric Ry, Assn., 1050.	4
-Progress in adjusting claims, Comments on, 1673. -Public relations affected by, Comments on, 660. Accident prevention: -Accident prevention bonus aids [Hodges], 215. -Accident prevention work, Third Ave. Ry. [Segard], 216. -Accident prevention work, Third Ave. Ry. [Segard], 216. -Accident prevention work, Third Ave. Ry. [Segard], 216. -Atlanta, Ga., Campaign, 550, 926, 1112. -Boston, Mass., No-accident Week, 750. -Chicaco, Ill., Prizes awarded for, 667. -Detroit, Mich., Campaign results, 1604. -Discussed by Canadian Electric Ry. Assn., 1050. -Keighley, England, 221. -Memphis, Tenn., Stripes on drop platforms	4
 Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention: Accident prevention bonus aids [Hodges], 215. Accident prevention work, Third Ave. Ry. [Segard], 216. Actional Prevention work, Third Ave. Ry. [Segard], 216. Atlanta, Ga., Campaign, 550, 926, 1112. Boston, Mass., No-accident Week, 750. Chiego, Ill., Prizes awarded for, 667. Detroit, Mich., Campaign results, 1004. Discussed by Canadian Electric Ry. Assn., 1050. Keighley, England, 221. Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. Milwaukee, Wis., Crossing accidents reduced. 	4
 Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention; Accident prevention bonus aids [Hodges], 215. Accident prevention work, Third Ave. Ry. [Segard], 216. Atlanta, Ga., Campaign, 550, 926, 1112. Boston, Mass., No-accident Week, 750. Chicago, Ill., Prizes awarded for, 667. Detroit, Mich., Campaign results, 1604. Discussed by Canadian Electric Ry. Assn., 1050. Keighley, England, 221. Memphis, Tenn., Stripes on drop platforms prevent accidents, 744. Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. Milwaukee, Wis., Crossing accidents reduced, 	4
 Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention; Accident prevention bonus aids [Hodges], 215. Accident prevention work, Third Ave. Ry. [Segard], 216. Atlanta, Ga., Campaign, 550, 926, 1112. Boston, Mass., No-accident Week, 750. Chicago, Ill., Prizes awarded for, 667. Detroit, Mich., Campaign results, 1604. Discussed by Canadian Electric Ry. Assn., 1050. Keighley, England, 221. Memphis, Tenn., Stripes on drop platforms prevent accidents, 744. Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. Milwaukee, Wis., Crossing accidents reduced, 	4
 —Progress in adjusting claims, Comments on, 1673. —Public relations affected by, Comments on, 660. Accident prevention; —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1050. —Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Nilwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments 	4
 —Progress in adjusting claims, Comments on, 1673. —Public relations affected by, Comments on, 660. Accident prevention; —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1050. —Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Nilwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments 	4
—Progress in adjusting claims, Comments on, 1673. —Public relations affected by, Comments on, 660. Accident prevention: —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1050. Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, 8744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadelphia, Pa., Campaign, *626. —Poughkcepsie, N. Y., "No accident" contest,	4
—Progress in adjusting claims, Comments on, 1673. —Public relations affected by, Comments on, 660. Accident prevention: —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1050. Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, 8744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadelphia, Pa., Campaign, *626. —Poughkcepsie, N. Y., "No accident" contest,	4
—Progress in adjusting claims, Comments on, 1073. —Public relations affected by, Comments on, 660. Accident prevention; —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667, —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1650. Keighley, England, 221, —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadeliphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident" contest, 022. —Trenton, J., No accident bonus plan, 354, —Work of Claims, and Transportation and	4
—Progress in adjusting claims, Comments on, 1073. —Public relations affected by, Comments on, 660. Accident prevention; —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667, —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1650. Keighley, England, 221, —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadeliphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident" contest, 022. —Trenton, J., No accident bonus plan, 354, —Work of Claims, and Transportation and	4
—Progress in adjusting claims, Comments on, 1073. —Public relations affected by, Comments on, 660. Accident prevention; —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667, —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1650. Keighley, England, 221, —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadeliphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident" contest, 022. —Trenton, J., No accident bonus plan, 354, —Work of Claims, and Transportation and	4
—Progress in adjusting claims, Comments on, 1073. —Public relations affected by, Comments on, 660. Accident prevention; —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667, —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1650. Keighley, England, 221, —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadeliphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident" contest, 022. —Trenton, J., No accident bonus plan, 354, —Work of Claims, and Transportation and	4
—Progress in adjusting claims, Comments on, 1073. —Public relations affected by, Comments on, 660. Accident prevention; —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667, —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1650. Keighley, England, 221, —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadeliphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident" contest, 022. —Trenton, J., No accident bonus plan, 354, —Work of Claims, and Transportation and	4
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention: —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1050. Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Nilwaukee, Wis., Crossing accidents reduced, 1046. Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadelphia, Pa., Campaign, *626. —Poughkcepsie, N. Y., "No accident" contest, 022. —Trenton, N. J., No accident bonus plan, 354. —Work of Claims and Transportation and Traffic Associations, Comments on, 232. Accidents (Including wreeks); —Causes analyzed, Chicago, Ill., *70. —Hazards of street work [Matthews], c957, Comments on, 987. —Kansas City, Mo., Bus accident, 143. —New Haven, Coun., Lineman injured, 466. —Poor tools cause, 502. —Superior, Wis., Railroad crossing wreck, 140, 220, 354.	
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention: —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1050. —Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadelphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident bonus plan, 354. —Work of Claims and Transportation and Traffic Associations, Comments on, 232. Accidents (Including wrecks): —Causes analyzed, Chicago, Ill., *70. —Hazards of street work [Matthews], c957, Comments on, 987. —Campaign, *626. —Poor tools cause, 502. —Superior, Wis., Railroad crossing wreck, 140, 220, 354. Accounting:	
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention: —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1050. —Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadelphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident bonus plan, 354. —Work of Claims and Transportation and Traffic Associations, Comments on, 232. Accidents (Including wrecks): —Causes analyzed, Chicago, Ill., *70. —Hazards of street work [Matthews], c957, Comments on, 987. —Campaign, *626. —Poor tools cause, 502. —Superior, Wis., Railroad crossing wreck, 140, 220, 354. Accounting:	
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 680. Accident prevention: —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign results, 1004. —Discussed by Canadian Electric Ry. Assn., 1050. —Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Nilwaukee, Wis., Crossing accidents reduced, 1646. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadelphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident bonus plan, 354. —Work of Claims and Transportation and Traffic Associations, Comments on, 232. Accidents (Including wreeks); —Causes analyzed, Chicago, Ill., *70. —Hazards of street work [Matthews], c957, Comments on, 987. —Kansas City, Mo., Bus accident, 143. —New Haven, Conn., Lineman injured, 466. —Poor tools cause, 502. —Superior, Wis., Railroad crossing wreck, 140, 220, 354. Accounting; —Bus depreciation, Mileage the basis for [Blair], 1104. —Detroit, Mich., Bus and railway accounting data sought, 184; Comments on, 102. —C.C.C. depreciation case, 264, 351, 883; Com-	- A
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 680. Accident prevention: —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill Prizes awarded for, 687. —Detroit, Mich., Campaign results, 1004. —Discussed by Canadian Electric Ry. Assn., 1050. Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Niiwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadelphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident" contest, 022. —Trenton, N. J., No accident bonus plan, 354. —Work of Claims and Transportation and Traffic Associations, Comments on, 232. Accidents (Including wrecks): —Causes analyzed, Chicago, Ill., *70. —Hazards of street work [Matthews], c957, Comments on, 987. —Kansas City, Mo., Bus accident, 143. —New Haven, Conn., Lineman injured, 466. —Poor tools cause, 592. —Superior, Wis., Railroad crossing wreck, 140, 220, 354. —Cecounting: —Bus depreciation, Mileage the basis for [Blair], 1104. —Etroit, Mich., Bus and railway accounting data sought, 184; Comments on, 192. —Timekeeping simplified, Minneapolis, Minn.,	
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention; —Accident prevention bonus aids [Hodges], 215. Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign, results, 1004. —Discussed by Canadian Electric Ry. Assn., 1050. Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadelphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident" contest, 022. —Trenton, J., No accident bonus plan, 354. —Work of Claims and Transportation and Traffic Associations, Comments on, 232. Accidents (Including wrecks); —Causes analyzed, Chicago, Ill., *70. —Hazards of street work [Matthews], c957, Comments on, 987. —Kansas City, Mo., Bus accident, 143. —New Haven, Conn., Lineman injured, 466. —Poor tools cause, 502. —Superior, Wis., Railroad crossing wreck, 140, 220, 354. —Eus deprectation, Mileage the basis for Blair], 1104. —Detroit, Mich., Bus and railway accounting data sought, 184; Comments on, 102. —Timekeeping simplified, Minneapolis, Minn., *241. —Ton-mile freight cost, Determinstion of	
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention: —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign, results, 1004. —Discussed by Canadian Electric Ry. Assn., 1050. Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Niiwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Philadelphia, Pa., Campaign, *626. —Poughkeepsie, N. Y., "No accident" contest, 622. —Trenton, J., No accident bonus plan, 354. —Work of Claims and Transportation and Traffic Associations, Comments on, 232. Accidents (Including wrecks): —Causes analyzed, Chicago, Ill., *70. —Hazards of street work [Matthews], c957, Comments on, 987. —Kansas City, Mo., Bus accident, 143. —New Haven, Conn., Lineman injured, 466. —Poor tools cause, 592. —Superior, Wis., Railroad crossing wreck, 140, 220, 354. —200, 354. —200, 354. —210, 313, 44; Comments on, 102. —Inc.C. depreciation, Mileage the basis for [Blair], 1104. —Detroit, Mich., Bus and railway accounting data sought, 184; Comments on, 893. —Timekeeping simplified, Minneapolis, Minn., *241, *70.—Inite freight cost, Determination of ICole], 813, Advertising:	
Progress in adjusting claims, Comments on, 1673. Public relations affected by, Comments on, 660. Accident prevention: —Accident prevention bonus aids [Hodges], 215. —Accident prevention work, Third Ave. Ry. [Segard], 216. —Atlanta, Ga., Campaign, 550, 926, 1112. —Boston, Mass., No-accident Week, 750. —Chicago, Ill., Prizes awarded for, 667. —Detroit, Mich., Campaign results, 1604. —Discussed by Canadian Electric Ry. Assn., 1050. Keighley, England, 221. —Memphis, Tenn., Stripes on drop platforms prevent accidents, *744. —Metropolitan Section, A.E.R.A., discuss, 664; Comments on, 641. —Milwaukee, Wis., Crossing accidents reduced, 1046. —Nashville, Tenn., Campaign, Results, 862. —New Orleans, La., 4 years, 586. —One-man car operation reduces accidents [Palmblade], 580; Comments on, 660. —Personnel cooperation necessary, Comments on, 561. —Poughkeepsie, N. Y., "No accident" contest, 922. —Trenton, N. J., No accident bonus plan, 354. —Work of Claims and Transportation and Traffic Associations, Comments on, 232. Accidents (Including wreeks): —Causes analyzed, Chicago, Ill., *70. —Hazards of street work [Matthews], c957, Comments on, 987. —Kansas City, Mo., Bus accident, 143. —New Haven, Conn., Lineman injured, 466. —Poor tools cause, 502. —Superior, Wis., Railroad crossing wreck, 140, 220, 354. Accounting: —Bus depreciation, Mileage the basis for [Blair], 1104. —Bus and railway accounting data sought, 184; Comments on, 102. —L.C. depreciation case, 264, 351, 883; Comments on, 892. —Timekeeping simplified, Minneapolis, Minn., *241. —Ton-mile freight cost, Determinstion of Icole, 1813.	

PAGES BY WEEKS

Advertising (Continued):	American Electric Rollway Projecting
-Discussed by Southwestern Public Service	American Electric Railway Engineering Association:
Assn., 827; Comments on, 803. —Foshay Company advertising contest, 667,	—Committee activities (Continued): Overhead current collecting devices, 920.
880.	Power generation and conversion, 747. Power transmission and distribution, 622,
-Fort Worth, Tex., Radio as advertising medium, 242.	1156. Rolling stock, Details, 115, 427, 663, 1167,
—Highwood, Ill., Illuminated signboard, 586.	1108.
-Houston, Tex., Newspaper advertising, 626Posters on poles, Comments on, 1027.	Standardization, 90. Standardization of trolley wire, 709. Way and structures, 137, 583, 710, 746, 970, 1108.
-Public Utilities Advertising Assn. annual	970, 1108.
meeting, Program, 1009. —Saginaw, Mich., Advertising increases pat-	—Engineering manual out, 970, —Research department plan proposed [Wil-
—Saginaw, Mich., Advertising increases patronage, *239. —W. B. & A. service advertising, *432.	 Research department plan proposed [Williams], c575; [Rossell], c742. Standard journal bearings. *527.
-Westinghouse advertising policy, 478.	American Electric Railway Transportation & Traffic Association:
Africa: —Bus competition with South African trams.	-Accident prevention work. Comments on 232.
94,	—Annual convention: Program, 920. —Committee activities:
Airplanes: —Charles Lindbergh's feat, Comments on, 937.	Bus operation, 351, 747, 970. Executive, 350.
—Haskelite wood used in, 1668. Akron, Ohio:	Service betterment 583 1010
-Northern Ohio Power & Light Co.: Annual report, 1117.	Traffic congestion, 1108. Traffic and safety, 137, 769, American Engineering Council. —Annual meeting, Report, 257, Traffic control of
Bus school. Work of, *1002. Car cleaning and painting, Details [See],	-Annual meeting, Report, 257.
*1641.	American Institute of Floatrical Programmer
Franchise negotiations in Canton, 367. One-man cars in Barberton, 626.	American Society of Mechanical Engineers:
Operating rearrangement proposed, 392, Rerouting changes, Bus, 586.	—Officers elected, 969. American Society of Mechanical Engineers: —Are welding prizes to be awarded, 462. Anderson, Ind.: —Union Traction Co.:
Albany, N. Y.: -Eastern New York Utilities Corporation:	
Buses to be substituted in Hudson, 308. —United Traction Co.:	Appraisal of railway property: —Baltimore, Md., Valuation case, 1117.
Annual report, 1118, Bus operating details, *279.	-Boston Fleveted Ry., Valuation ordered 879Buffalo, N. Y., Commission valuation 397.
Bus order placed, 228. Fare controversy, 141, 468, 881, 1153. Fare increase ordered, 1110.	Concerton-delivery freight service, 1110, Appraisal of railway property: —Baltimore, Md., Valuation case, 1117, —Boston Flevetcd Ry., Valuation ordered 879, —Buffalo, N. Y., Commission valuation, 397, —Louisville, Ky., Valuation figures, 1154, —Oakland Cal., Valuation figures, 353, 921, —Washington, D. C., Valuation controversy,
Fare increase ordered, 1110.	-Washington, D. C., Valuation controversy, 310 398.
Allentown, Pa.: —Lehigh Valley Transit Co.:	- Washington, D. C., Valuation controversy, 3/10 398. Atlanta, Ga.: - Cody Safety Medal created, 1000. - Georgia Railway & Power Co.: Accident prevention work 550 926 1112.
Annual report, 883. Schedule cards increase bus receipts, 628.	Georgia Railway & Power Co.: Accident prevention work, 550, 926, 1112.
Alliance, Ohio: —Stark Electric Co.:	Car appearance affects receipts [McAloney], e459.
Annual report, 592,	Consolidation of properties approved, 223.
Negotiations for Canton railway, 436. Altoona, Pa.:	Electric hoist mad efrom air compressor, *1094, Fare increase sought 1059
-Altoona & Logan Valley Electric Ry.: Improvements in 1926, 103,	Fare increase sought, 1059. Hydraulic bearing press, *912. Lydedicton of officers yideacd, 226
American Electric Railway Accountants' Association:	Jurisdiction of officers widened, 226, Lost article disposition, 668.
-Committee activities:	Lost article disposition, 668, New directors named, 932, Picnic coach service, 839, Publicity campaign, Details, *1032, Standard Company, Details, *1032,
Depreciation, 710, Stores accounting, 137. American Electric Railway Association;	storage plant to be constructed, 220.
-Advisory Council:	Wage contract renewed, 220.
Modernization work [Storrs], *449; Comments on, 445.	Wheel and axle maintenance, Details [Axell], 255. Whood preservation, Methods and equipment, Details [Smith], *455; Comments on,
Bus tool exhibits, Comments on, 601.	
Conference leaders to be trained, Comments on, 1072,	Atlantic City, N. J.: —Atlantic City & Shore R.R.: Babbitting bearings, 659. Cars rebuilt, Details, *733. Track building and maintenance [Ash-
Exhibit committee appointments, 463. Exhibits to open on Saturday, Comments	Babbitting bearings, 659. Cars rebuilt. Details, *733.
on, 639. Exhibits, Worth of, Comments on, 985. Noisy exhibits banned, 982.	Uridge L. 1074.
Noisy exhibits banned, 982. Space applications for exhibits, 676, 800,	Triple baking prolongs armature life, 1047.
*1070; Comments on 763. Track space applications, 440, 666.	N. J.)
-Bureau of Information:	Auburn, N. Y.: —Auburn & Syracuse R.R.:
Reports available, 258, 710, 970, 1150, —Committee activities:	—Auburn & Syracuse R.R.: Abandonment sought, 754. Receivership likely, 471.
Convention entertainment, 1167. Cooperation with manufacturers, 970.	Aurora, Ill.:
Cooperation with state and sectional associations, 302. Education, 351, 1108; Comments on, 366. Executive, 301, 662, 1056; Comments on,	-Chicago, Aurora & Elgin R.R.: De luxe cars ordered, Details, 270.
Executive, 301, 662, 1056; Comments on, 366.	Freight service improved, 1110, Suburban home seekers booklet, 973,
639.	Towning Construction plans 477
Exhibit, *582, 662; Comments on, 639.	-Aurora, Elgin & Fox River Electric Co.:
Exhibit, *582, 662; Comments on, 639, Fire prevention, 747, Insurance 216; Comments on 153, 560	Suburban home seekers booklet. 973. Terminal, Construction plans, 477. —Aurora, Elgin & Fox River Electric Co.: Schedule changes, 585.
Exhibit, *582, 662; Comments on, 639, Fire prevention, 747, Insurance 216; Comments on 153, 560	Australia: —Advertising at stations, 613.
Exhibit, *582, 662; Comments on, 639, Fire prevention, 747, Insurance 216; Comments on 153, 560	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858.
Exhibit, *582, 662; Comments on, 639. Fire prevention, 747, Insurance, 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit, 427. Subjects and meetings, 546. Unification of car design, 176, 623. —Metropolitan Section;	Australia: —Advertising at stations, 613.
Exhibit, *582, 662; Comments on, 639. Fire prevention, 747. Insurance, 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit, 427. Subjects and meetings, 546. Unification of car design, 176, 623. —Metropolitan Section; Accident prevention discussed, 664; Comments on, 641.	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles:
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance, 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit, 427. Subjects and meetings, 546. Unification of car design, 176, 623. —Metropolitan Section; Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 362. Transportation developments discussed, 463.	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles: —Saturation problem, 926; Comments on, 1127. —Use by industrial workers, Comments on, 986.
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance, 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit, 427. Subjects and meetings, 546. Unification of car design, 176, 623. —Metropolitan Section; Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 362. Transportation developments discussed, 463.	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles: —Saturation problem, 926; Comments on, 1127.
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance, 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit, 427. Subjects and meetings, 546. Unification of car design, 176, 623. —Metropolitan Section; Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 302. Transportation developments discussed, 463. —Need for and purpose of [Sawyer], 276. —New members elected, 302, 1057. —Public Service Section:	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review. *411. Automobiles: —Saturation problem, 926; Comments on, 1127. —Use by industrial workers, Comments on, 986. —Workmen's, Comments on, 937.
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance, 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit, 427. Subjects and meetings, 546. Unification of car design, 176, 623. —Metropolitan Section; Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 362. Transportation developments discussed, 463. —Need for and purpose of [Sawyer], 276. —New members elected, 302, 1057. —Public Service Section: Officers elected, 427. —Traffic, Fare and wage figures, 265, 676.	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles: —Saturation problem, 926; Comments on, 1127. —Use by industrial workers, Comments on, 986.
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance 216; Comments on, 153, 560. Noise reductton, 785. Rapid transit. 427. Subjects and meetings, 546. Unification of car design, 176, 623. —Metropolitan Section; Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 362. Transportation developments discussed, 463. —Need for and purpose of [Sawyer], 276. —New members elected, 302, 1057. —Public Service Section: Officers elected, 427. —Traffic. Fare and wage figures, 265, 670. 1062. American Electric Railway Claims Association;	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles: —Saturation problem, 926; Comments on, 1127. —Use by industrial workers, Comments on, 986. —Workmen's, Comments on, 937.
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit, 427. Subjects and meetings, 546. Unification of car design, 176, 623. —Metropolitan Section: Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 362. Transportation developments discussed, 463. —Need for and purpose of [Sawyer], 276. —New members elected, 302, 1057. —Public Service Section: Officers elected, 427. —Traffic, Fare and wage figures, 265, 676. 1062. American Electric Railway Claims Association: —Accident prevention work, Comments on, 232.	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles: —Saturation problem, 926; Comments on, 1127. —Use by industrial workers. Comments on, 986. —Workmen's, Comments on, 937. B Baltimore, Md.: United Reliwage & Electric Co.:
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance, 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit, 427. Subjects and meetings, 546. Unification of car design, 176, 623. —Metropolitan Section; Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 362. Transportation developments discussed, 463. —Need for and purpose of [Sawyer], 276. —New members elected, 302, 1057. —Public Service Section: Officers elected, 427. —Traffic, Fare and wage figures, 265, 670. 1062. American Electric Railway Claims Association: —Accident prevention work, Comments on,	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles: —Saturation problem, 926; Comments on, 1127. —Use by industrial workers, Comments on, 986. —Workmen's, Comments on, 937. B Baltimore, Md.: —United Railways & Electric Co.: Accomplishments in 1920, 468. Annual report, 930. Bus subsidiaries consolidate, 58.
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit. 427. Subjects and meetings, 546. Unification of car design, 176, 623. —Metropolitan Section; Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 362. Transportation developments discussed, 463. —Need for and purpose of [Sawyer], 276. —Public Service Section: Officers elected, 302, 1057. —Public Fare and wage figures, 265, 670. 1062. American Electric Railway Claims Association; —Accident prevention work, Comments on, 232. —Committee activities: Executive, 258. American Electric Railway Engineering Associa-	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles: —Saturation problem, 926; Comments on, 1127. —Use by industrial workers, Comments on, 986. —Workmen's, Comments on, 937. B Baltimore, Md.: —United Railways & Electric Co.; Accomplishments in 1926, 468. Annual report, 930. Bus subsidiaries consolidate, 58. Car equipment ordered, 1023.
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit, 427. Subjects and meetings, 546. Unification of car design, 176, 623. -Metropolitan Section: Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 302. Transportation developments discussed, 463. -Need for and purpose of [Sawyer], 276Public Service Section: Officers elected, 427Traffic, Fare and wage figures, 265, 670. 1062. American Electric Railway Claims Association: -Accident prevention work, Comments on, 232. 232. Committee activities: Executive, 258. American Electric Railway Englneering Association: -Committee activities:	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles: —Saturation problem, 926; Comments on, 1127. —Use by industrial workers, Comments on, 986. —Workmen's, Comments on, 937. B Baltimore, Md.: —United Railways & Electric Co.: Accomplishments in 1926, 468. Annual report, 930. Bus subsidiaries consolidate, 58. Car equipment ordered, 1023. Car painting, Old and new methods [Clark], *498.
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit, 427. Subjects and meetings, 546. Unification of car design, 176, 623. -Metropolitan Section: Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 302. Transportation developments discussed, 463. -Need for and purpose of [Sawyer], 276Public Service Section: Officers elected, 427Traffic, Fare and wage figures, 265, 670. 1062. American Electric Railway Claims Association: -Accident prevention work, Comments on, 232. 232. Committee activities: Executive, 258. American Electric Railway Englneering Association: -Committee activities:	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles: —Saturation problem, 926; Comments on, 1127. —Use by industrial workers. Comments on, 986. —Workmen's, Comments on, 937. B Baltimore, Md.: —United Railways & Electric Co.: Accomplishments in 1926, 468. Annual report, 930. Bus subsidiaries consolidate, 58. Car equipment ordered, 1023. Car painting, Old and new methods [Clark], *498. Gasoline tax rebate, 665. Notes offered to investors, 396. Refinancing plans, 929.
Exhibit. *582, 662; Comments on, 639. Fire prevention, 747. Insurance 216; Comments on, 153, 560. Noise reduction, 785. Rapid transit. 427. Subjects and meetings, 546. Unification of car design, 176, 623. -Metropolitan Section; Accident prevention discussed, 664; Comments on, 641. Popularizing service discussed, 136. Public relations discussed, 362. Transportation developments discussed, 463. -Need for and purpose of [Sawyer], 276Public Service Section: Officers elected, 302, 1057Public Service Section: Officers elected, 427Traffic. Fare and wage figures, 265, 670. 1062. American Electric Railway Claims Association; -Accident prevention work, Comments on, 232Committee activities:	Australia: —Advertising at stations, 613. —Bus operation, Results, Details, 858. Austria: —Vienna traffic during 21 years, Review, *411. Automobiles: —Saturation problem, 926; Comments on, 1127. —Use by industrial workers, Comments on, 986. —Workmen's, Comments on, 937. B Baltimore, Md.: —United Railways & Electric Co.: Accomplishments in 1926, 468. Annual report, 930. Bus subsidiaries consolidate, 58. Car equipment ordered, 1023. Car painting, Old and new methods [Clark], *498.

altimore, Md. (Continued); -Washington, Baltimore & Annapolis Electric Baltimore -Washington, Baltimore & Annapolis Electric R.R.:
Annusl report, 1157.
Articulated cars, Details, *165, *550, *570;
Comments on, 559, 599.
Bearing fianges reclaimed, *519.
Bus service planned, 308.
Control changes hands, 1015.
De luxe cars ordered, 363.
Operating agreement suit, Decision, 1154.
Sale approved by Commission, 1062.
Scaffold plank storage, *341.
Service advertising, *432.
Bangor, Me.:
-Batavia, N. Y.:
-Batavia, N. Y.:
-Batsvis Traction Co.:
Bus substitution planned, 791.
Bearings:
-Axle:
- Fance fitted to truck *343. R.R.: Bearings:

—Axle:

Fange fitted to truck, *343.

Housing type, Third Ave Ry. *894; Comments on, 1071.

—Bearings made of slead brass, San Francisco.

Cal., *1077.

—Center bearings, Lubrication [Williams],

*1092.

—Housing type, For axles, Third Ave Ry. *894.

—Maintensnee, Improved methods [Williams],

*347.

—Smooth surfaces aid tight bearings [Dean],

*782.

—Standard dimensions of journal bearings. *527. Fare increase meaning, 102.

Birmingham, Ala.:

—Birmingham Electric Co.:

Alemite lubrication for brake hangers [Taurman], *914.

Machine holds rails for welding [Taurman], *1094.

New cars, Design, Details, *77.

—Traffic survey, 073, 1153. Blanks & forms:

—Automobile and truck repair blanks [Reed],
515.

*515.

Char inspection forms, *1105.

Chart for paint shop record, *781.

Conductors trip sheet. Los Angeles, Cal., *76.

Daily time sheet, Minnespoils, Minn., *241.

Electrical department forms, [Smith], *682.

Fforms printed on used register cards, Ns.

Bedford, Mass., 383.

Inspection forms, Chicago, Ill. [Smith] Ill. [Smith].

- Inspection tag, Harrisburg, Pa., *329.

- Line inspection form. *898.

- Schedule making and checking forms, *997.

- Simplified invoice drafted by U. 8. Commerce committee, *760.

- Trainmen's efficiency record, Los Angeles, Cal., *1139.

Book reviews:

- Accounting procedures for public utilities, by Warren G. Bailey, M. A. and D. E. Knowles, 312.

- American railway accounting, by Elizabeth

-312.
-American railway accounting, by Elizabeth Cullen, 98.
-A small stockholder, by John T. Roderick, 1064. -Benjamin Garver Lemme, an autobiography.

885.
Corporate resolutions, by Isabel Drummoud, 1065.
Doing export business, by Foreign Commerce Dept. of Chamber of Commerce, 1064.
—Electric power stations, by L. W. W. Morrow, 474.

Doing export business, by Foreign Commerce Dept. of Chamber of Commerce, 1064.
Electric power stations, by L. W. W. Morrow, 474.
Employment statistics for the United States, by Ralph C. Hurlin and William A. Berridge, 673.
Facts and figures of the automobile industry, 1927 edition, by National Automobile Chamber of Commerce, 1065.
Forecasting business conditions, by Charles O. Hardy and Garfield V. Cox, 1065.
Maineprings of men, by Whiting Williams, 98.
Main Street and Wali Street, by William Z. Ripley, 474.
Making transportation pay, edited by Henry H. Norris, 884.
Manual of endurance of metals under repeated stress, by H. F. Moore, 1064.
Mathematical principles of finance—Second edition, by Frederick C. Kent, 884.
Metropolitan street traffic survey (Chicago), by Miller McClintock, 98.
Notes on the collection of transfers, by Frank Folupa, 312.
Personenbahnhöfe (Passenger railway stations), by W. Cauer, 98.
Political and industrial democracy, by W. Jett Lauck, 98.
Primer of simplified practices, by U. S. Dept. of Commerce, 474; Comments on, 443.
Profit sharing and stock ownership for employees, by Gorton James, H. S. Dennison, E. F. Gay, H. P. Kendall and A. W. Burritt, 673.
Psychology of selecting men—New second edition, by Donald A. Laird, 1064.
Standards year book, 1927, by U. S. Dept. of Commerce, 1065.
Street railway transportation in Cinclinnati, by Rebecca Van Hamm, 673.
Striching equipment for power control, by Stephen Q. Hayes, 673.
The electrician annual tables of electricity undertakings, 1927, by Benn Brothers, Ltd., 1065.

Book Reviews (Continued):

—The evolution of overhead accounting, by Chamber of Commerce of the United States, 1064.

—The rapid transit situation in Greater New York, 312 by con by Both A. Retner, 98

Chamber of Commerce States, 1064.

The rapid transit situation in Greater New York, 312.

The tired trolley car, by Beth A, Retner, 98.

Tips on leadership—Life stories of 25 leaders, by Herbert N, Casson, 1065.

What a business executive should know about patents, by Roger Sherman Hoar, 673.

What price progress? by Hugh Farrell, 884.
Boone, Iowa:

Ft. Dodge, Des Moines & Southern R.R.:

Bus company purchase, 469.
Boston & Maine R.R.:

Boston electrification not favored, 56.
Boston, Mass.;

Boston Elevated Ry.:

Annual report, 264; Comments on, 1127.
Chart shows increase from 1897, 719.

Dynanometers regulate trolley wire tension, 488.

Educational Work, 1154.

Educational Work, 1154.

Dynanometers regulate trolley wire tension, 488.
Educational Work, 1154.
Financial readjustment suggested, 144;
Comments on, 727.
Legislative action in 1927, 625, 750; Comments on, 764.
New guide book issued, *165.
No-accident week successful, 750.
Public control extension discussed, 261, 590.
Reorganization plans, 185, 223, 357.
Snow-fighting methods, Details [Steward], *567.
Timber preservation, Details, *320; Comments on, 317.
Valuation ordered by legislature, 879.
Lastern Massachusetts Street Ry.:
Annual report, 719.
Base plate rail joint developed, details [Walker], *773, 902.
Board members elected, 592.
Car and equipment improvements, Details [Boit1, *207.
De luxe cars ordered, 228; Details, *1069.
Part fare received from bus competitor, 395.
Public control arrangement termination, 224.
Sources of radio interference [Bickford], 968.

224.
Sources of radio interference [Bickford], 968.
Wages increased, 786.
Operating agreement between two railways, 307; Comments on, 681.
Switch and signal contract let; 557.
Traffic survey to be made, 467.
Boston & Worcester Street Ry. (see Framingham, Mass.);
Frady safety award offered, 664; Comments on, 640.
Brakes and compressors:

640.

Brakes and compressors:

—Air brakes, Installation and maintenance [Horner], 389.

—Air-magnetic brake, Lexington, Ky., 990.

—Air-magnetic brakes discussed by C.E.R.M. M.A., 346; Comments on, 317.

—Berlin, Germany, Axle brakes, *174.

—Berlin, Germany, Braking equipment [Pforr].

Joliet, Iii., Automative type brakes, Details, Springfield, Mass., experimental worm-drive csr, *859.

Swiss-Argentine Railway organized, 94.

Swiss-Argentine Maintag visions 1185.

—Cleveland, Ohlo, Moving bridge used in station construction, Details, *247.

—St. Louis, Troy & Eastern R.R., Contract let, 228.

Brooklyn City R.R. (see New York City): Brooklyn -Manhattan Transit Co. (see New York City): Suffalo & Erie Ry. (see Erie, Pa.):

Buffalo, N. Y.:
—Bue franchise controversy, 183, 263, 629,

Buffalo, N. Y.:

—Bue franchise controversy, 183, 263, 629, 881.

—International Ry.:

Annual report, 398.

Art poster contest for students, 586, Board of directors, Changes in, 635, Buffalo-Canada bus service, *1155, Bus controversy with city, 1061.

Bus controversy with city, 1061.

Bus routes popular, 975.

Canadian bridge improvements, 1165, Cars repainted, 908.

Commission valuation protested, 397, Employes charity contributions, 926, Fare controversy, 93, 138, 220, 428, 712, 973, 1109. Comments on, 986.

Franchise controversy, 924.

New transfer system, 1011.

Sick benefits paid in 1926, 1046.

Ordinance against one-man cars overruled, 625.

—Transportation situation discussed, 304

-Transportation situation discussed. 304.

C

California, State of:

—Bus operations, Railroad Commission report [McCabe], *868.

Canada;

—Railway operations, Survey, Details, *852;

Comments on, 849.

—Annual meeting, Report, 1050; Comments on, 1072.

Canion, Ohio:

Canadian Electric Railway Association:

—Northern Ohio Power Co.;

Alliance railway negotiates for control, 436, Capital Traction Co. (see Washington, D. C.);

Car cleaning:

—Akron, Ohio, Methods [Seel], *1041.

ar cleaning:
-Akron, Ohio, Methods [Seel], *1041.

Car cleaning (Continued):

—Cleanliness important [Potter], c289.

—Cold steam process [Albert], c908.

—Disinfectant for cars, San Francisco, 661.

—Effect on public [Clark], 116.

—Harrisburg, Pa., Washing cars, Methods [Rexroth], *341.

Snow fighting equipment, Design [Steward], *567.

-Sov.

-British car designed for quiet operation,
Details, *817.

-Car equipment apparatus improvements
[Axtell], 254.

-Nsw Haven, Conn., Pressure shower bath
method. *990.

-Pittsburgh, Pa., Automatic washing, Details.
*451.

-Philadelphia, Pa., Methods [Stier], 6339.

*451.

-Philadelphia, Pa., Methods [Stier], c339.

-Third Ave. Ry, methods, Details [McWhirter],
*482.

Carhouses and storage yards:

-Atlanta, Ga., Storage plant to be built, 228.

-Cincinnati, Hamilton & Dayton Ry, purchases
carhouse, 402.

-San Francisco, Cal., Facilities [O'Shsughnessy],
*408.

-408.
-Waterbury, Conn., Details, *448.
-Williamsport, Pa., New carhouse, Details, *728.
-Carpenter shop waste disposal plant, Richmond, Va., *1144.

Carpenter shop waste disposal plant, Richmond, Va., *1144.

Cars (Including design):

—Akron, Ohlo. Remodeled cars [See]. *1041.

—Aluminum body for Joliet, Ill. worm-drive truck. 1068.

—Atlantic City, N. J., Rebuilt cars. *733.

—Attractive and speedy cars needed [Myers]. c289.

—Aurora, Ill., De luxe cars ordered, 270.

—Berlin, Germany, Car development, Detalls [Pforr]. *203. *243.

—Birmingham, Ala., New cars installed, Details. *77.

—Boston, Mass.:

Cars modernized, Methods [Bolt]. *207.

—De luxe cars ordered, 228; Details. *1088.

—Cars ordered, Specifications:

Berlin, Germany, *174.

Birmingham, Ala., *77.

Chicago Surface Lines, *271.

Dallas, Texas, *189.

Fitchburg, Mass., 441, 724.

Gary, Ind., *210.

Greenfield & Montague Transportation Area, *1163.

Hamilton, Ont., Can., 104.

Interstate Public Service Co., 934.

Jamestown, N. Y., *994.

Milwaukee, Wis., *327.

Mobile, Ala., *1123.

New Brighton, Pa., 1164.

Pittsfield, Mass., *722.

Porto Ricc Ry, Light & Power Co., *781.

Scranton, Pa., *229.,

Springfield and Worcester, Mass., *595.

Virginia Electric & Power Co., *801.

W. B. & A. articulated cars, *570.

Wheeling, W. Va., *441.

Williamsport, Pa., *103.

—Charlotte, S. C., Shop-built car, 442.

—Cincinnati, Ohlo, Interiors remodeled, Details.

-Charlotte, S. C., Shop-built car. 442. -Cincinnati, Ohio, Interiors remodeled, Details. *609.

*609.

*609.

*Clean cars impress patrons [Clark], 116.

*Cleveland, Ohlo, Aluminum car construction,
*655; Comments on, 639.

*Combined snow scraper and sweeper, *380.

*Coupler, Universal Joint, for articulated ears,
*462.

*De luxe cars discussed by Birney Club, 301.

*De luxe cars discussed by Birney Club, 301.

*De luxe double-deck car designed by Peter
Witt, Details, *370.

*De luxe parlor and dining cars, South Bend,
Ind., 417; Comments on, 406.

*Demand for modern cars must be created
flambert], 299.

*Design, Perfections of detail, Comments on,
680.

*Development of electric car, 968.

Development of electric car, 988,
"'Dressiog up" street cars [Holtzclaw], 833,
-East St. Louis, Ill., Rebuilt cars, Design,
*1000,

Electro-gas cars, Rock Island R.R., *935. Essentials of, discussed in booklet, 1068. Evansville, Ind. cars named after first settlers, 866.

Fort Worth, Texas, Limited train overhauled,
 Details [Hoskins], *246.
 Ferght car, Standard design, Comments on,

67.

Freight, Condition and repair, C.E.R.M.M.A. rules, *961.

Gas-electric:
C. M. & St. P. order, 848.
D. T. & I. install. *847.
Lehigh Veiley R.R., *102.
Northern Pacific, 984.

German rapid transit cars [Cauer], *1131.

Improvements of equipment, Comments on, 275.

Interurban cars, Cincinnati, Ohio, Design, 315.

Jamestown, N. Y., De luxe csrs, Details, *994.

Light metal for car construction in Europs, 819.

819.

Linoleum and rubber mats on floors, Wilkes-Barre, Pa., *385,

—Memphis. Tenn., Reconstructed cars, *454.

—Milwauke, Wis., New cars installed, Design, Detalls, *327.

—Minneapolis, Minn., Noiseless cars, 103, 477.

—Modern cars and proper maintenance economical, Poem, 514.

—Modern cars increase riding [Chiles], c249; [Bucher], c249; [Hearn], c249.

—Modern equipment demands speed and comfort [Palmer], 300.

—Modernization, Progress of [Oswald], 621.

on. 1025.

Old cars should be replaced [Colby], c289.

Old cars should be replaced [Colby], c289.

Advantages of [Palmblade], 580; Comments on, 600.

Barberton, Obio, 626.

Buffalo, N. Y., Ordinance against overruled. Barberton, Ohio, 525.
Buffalo, N. Y., Ordinance against overruled, 625.
Des Moines, Ia., Court decision on, 548, 585; Appeal, 1058.
Fare collection methods [Weyman], 1053.
Growth of operations, Commenta on, 1026.
Hampton, Va., Rebuilt cars, 188.
Iowa Supreme Court decision on, 585.
Opposition to, Commenta on, 585.
Opposition to, Commenta on, 518.
Pennaylvania, Bill killed against, 712.
Tennessee, Bill against operation lost, 789.
Toronto, Can., Operation sustained, 352:
Commenta un, 318.
Use in the South, Details [Frehse], 254.
Orders in 1926, Statletles, *20; Commeota on, 4, 07.

Parlor cars, Rochester & Syracuse R.R., Design, *1044.

Passenger cars rebuilt for freight trailers, *182. -Portsmouth, Ohio, Design and operation, *1133., Onlo. Design and operation,
-Providence, R. I., Remodeled cars, Details
[Dickson], *988.
-Refuse car, Screened, York, Pa., *329.
-Remodeling methods, Kansaa City, Mo.
[Neal], *689.
-Remodeling old cars for comiort [McRae],
115; Comments on, 231.
-Rockford, Ill., Interurban cars ordered, 270. S83.

—Rome, Italy, Deaign, Detaila [Blake], *945.
—San Diego, Cal., Multiple-unit train couplers.
Details [Averlil], *167.
—Snow plow car, Dealgn, [Wheeler], *286.
—South Bend, Ind., New cars, 228.
—Springfield, Mass., Expriemental car, Dealgn,
Details, *582, 713, *859; Comments on,
559, 599, 725. -Steel, Conference called in New York City, 557. Str.

Sun visor on front window, *116.

Tail lights locked in place, *251.

W. B. & A. articulated care, Details, *165, 363, *550; *570; Comments on, 559, 599,

West Penn Ry, de luxe car. Details, *1036,

Williamsport, Pa., Design, Details, *728,

Work car equipment, Salt Lake City, Utah [Heiges], *697.

Central Electric Railway Association:

—Annual meeting, Program, 53,

—Annual meeting, Report, 295,

—Charles L. Henry Memorial, 923,

Central Electric Railway Master Mechanica, As. -Charles L. Henry Memorial, 923.
Central Electric Railway Master Mechanics' Association:
-Annual meeting. Report, '346; Comments on, 317.
-Committee appointments, 482.
-Rules for freight cars, Condition and repairs, '961.
-Summer meeting:
-Program discussed, 748.
-Two-day session, Report, '918; Comments on, 891.

-Working for progress [Green], c957. Centralia, III.:

-Fare increases sought by traction companies, 178.

Chamber of Commerce of the United States:

-Annual meeting, Plans for, 760, 785.

-Annual meeting, Report, 872; Comments on, 850. —Corporation income tax reduction urged, 1015.
—Private ownership discussed, 872; Comments on, 850.
—Transportation discussed, 835. Charles A. Coffin Foundation:

—General Electric Co. employees awards. 477.

—Grand Rapida Ry. to enter contest, 605.

—Title for 1926 presentations chosen, 788. Charleston, S. C.:
—South Carolina Power Co.:
Rebabilitation program [Bigelow], c339. Charleston, W. Va.:

—Charleston Interurban R.R.:

Bond-testing methods [Albert], 1905.

Cold steam process for car cleaning [Albert], c908. Charlotte, N. C.:

—Piedmont & Northern Ry.:

Extensions, planned, 1112; Comments on, 153.

Railway extension route changed, 749. Southern Public Utilities Co.:
Armature bearing press. *615.
Car built in abops, 442.

Chattanooga Tena.:

--Chattanooga Traction Co.:

--Clearing indicator for signals [McDonaldi.
*912.

-Tennessee Electric Power Ca.:
Annual report, 1015.
Bus and vehicle maintenance [Reed], *515.
Safety course for employeea, 907.
Transit aurvey report, 713.

Chautauqua Traction Co. (see Jamestown, Chicago, Aurora & Elgin R.R. (see Aurora, Ill.): Chicago, Ill.:

—Bus hearing, 59.

—Bus operating proposal [Riche [Schorn], c171.

—Chicago City Ry.:

—Bond interest to be paid, 978.

Financial situation, 60.

—Quarterly dividend omitted, 631.

—Chicago & Interurban Traction Co.:

Service auspended, 755.

—Chicago Railways:

City intervenes in receivership, 62,

Financial report, 1159.

Foreclosure asked, 311.

Franchiae controversy, 92, 259.

—Chicago Raild Transit Co.: [Richardson]. Forecipiter asked, 311.
Franchiae controversy, 92, 259.

Chicago Rapid Transit Co.:
Bond issue, 929.
Electrical maintenance methods, Details (Smith), *511, *682.
Employees insured, 1088.
Financial report, 840, 11.
First-aid training school, 156, 857.
Preferred stock sale, 311.
Shop construction progress, 502, *802.
Station platforms lengthened, 926.
Students must pay for car damage, 924.
Terminal work begun, 587.
Train movement during rush hours, 178.
Wage increase asked, 973, 1153.

—Chicago Surface Lines:
Accident prevention prize awards, 687.
Automatic aubstation, 890; Details [Noah], *803.
Buses to be installed, 1114. *803.

Buses to be installed, 1114.

Cars ordered, Specifications, *271.

Concrete loading platform construction extended (Traiser), *816.

Day-to-day franchise granted, 217, 259.

Equipment in operation for holidays, *10.

Fageol coach tested, 469.

Financial report, 97, 553, 797.

Inspection methods, Details [Shaughnessy], *492.

Paving case decision, 142.

Personnel changes, 593.

President Sawyer's address to employses.

835. President Sawyer's address to employaes. 835.
Schedule adjustments for aummer [Traiser]. *889.
Snow plow built in shops, Design, Details [Wheeler]. *286.
Track maintenance, Details [Wolfs], 618.
Wage increase negotiations, 973, 1060. 1153.
—Electrification in suburbs, Plans, 712.
—Home rule refereodum, 549, 665.
—Illinois Power & Light Co.:
Annual report, 1158.
Insurance policles given employees at Christmas, 142.
Kewance system described, 928.
New franchise in Dauville, Ill., 160.
One-man cars reduce accidents [Palmblads]. 580: Comments on, 600.
Refunding of nower debentures proposed. 145.
—Illinois Traction System:
Car maintenance [Barnhart], 617.
Chicago-Central Illinois through service agreement, 625.
Clean station awards, 1043.
Highway crossing construction, Details. *379.
Modernization methods, 135.
—Municipal ownership of surface lines proposed, 54, 586.
—Parking restrictions, Counsel ruling, 666.
—Pedestrian jaywalker survey, 878: Comments on, 851.
—Rubber markers for safety islands, 1039.
—South side surface lines to pay bond interest. 225.
—Street traffic survey, 170.
—Subway plans progress, 393, 429, 1111.
—Traction enabling legislation, 838, 877, 921, 1001, 1058, 1152.
—Traction ordinances delayed, 428.
—Traction fund payments, 750.
—Traffic code explained (McIraith), 6957.
—Traffic signals improved, *772.
—Traffic signals improved, *77 835.
Schedule adjustments for aummer [Traiser],
*889.

Chicinnati, Ohio:
Cincinnati, Georgetown & Portamouth R.R.:
Receiver appointed, 310,
Receiver's sale, 798,
Reorganization plans, 1015.

Reorganization plans, 1015.

-Cincinnati, Hamilton & Dayton Ry.:
Annual report, 840; Comments on, 851.
Carhouse purchased, 402.
Interurban cara ordered, Details, 315.
Reorganization commemoration, 1110; Details, 1151; Comments on, 1126.

-Cincinnati Street Ry.:
Bond issue, 717,
Budget for 1927, Details, 80.
Bus operating losses, 396.
Bus operating plan, 470; Comments on, 445.

decinnati, Ohio;

-Cincinnati Street Ry. (Continued);

Bus substitution rejected by voters, 433.

"Carhouse" cars carry passengers, 1112.

Car interiors remodeled, Detalls, *609.

Financial report, 471, 976.

New emblem adopted, 56.

Repair shop construction begun, 848.

Social agencies advertised in cars, 686.

Track reconstruction program, Detalls, *903.

"903.

New traffic regulations, Details, 1031.

Taxicab regulations, 718.

Traneit report, 924.

Circuit breakers:

Montreal, Can., Automatic aubstation. "766.

Cleveland, Ohio:

Cleveland Ry.:

Aluminum experimental car, Details, "655;

Commenta on, 639.

Bus purchase plans, 1166.

Capital stock increased, 755.

Car station construction, Details, "247.

Franchise negotiations, 354.

Improvement program, 261.

Overhead material inspection methods

[Scott], "898.

Suburban fare controversy, 923.

—Cleveland, Southwestern Rallway & Light

-Cleveland, Southwestern Rallway & Light

Co.;
Public relations work, *820.
—Industrial exposition, Plans for, 598.
—Lake Shore Electric Ry.;
New franchiae aought, 788.
Personnel chauges, 289.
Pole setting methods, *958,

Clioton, Davenport & Muscatine Ry. (see Davenport, Iowa).
Coffin Prize (see Charles A. Coffin Foundetlon).
Columbia, S. C.:
—Columbia Railway, Gas & Electric Co.:
Service auspended, 555, 711.
—Transit situation, 1061.

Concord, Mass.;

—Concord Street Ry.;

Radio interference reduced [Crawford],
989.

Connecticut Co. (see New Haven, Conn.). Conspectus of indexes, 185, 398, 592, 754, 978, 1158.

Coral Gables, Fla.;

—Coral Gables Rapid Transit Co.;

Approval sought for sale, 359.

Sold to city, 631.

Cumberland County Power & Light Co. (sae

Portland, Me.).

Czecboslovakia:
--Electric railway practice, Details [Neithammer], *79.

D

Dalias, Texas;

—Dalias Railway & Terminal Co.;

Bus capacity tax questioned, 434.

Cars. Specifications. *189.

Customer ownership sale, 266; Results.

Details [Meriwether]. *777.

—Dalias Southwestern Traction Co.;

Franchise extended, 587.

Time extended for construction, 440.

—Texas Electric Ry;

Annual report, 309.

Danville, Va;

—Danville Traction & Power Co.;

Adjustable collar for axle bearings, *292.

Axle-bearing maintenance, *425.

Davenport, Iowa;

Axle-bearing maintenance, *425,
Davenport Iowa:
—Clinton, Davenport & Muscatine Ry.:
Radio talk on service problems, 453,
—Tri-City Ry, of Iowa:
Bus operation successful, Details, 182,
Personnel changes, 147, 314,
—Utility building, Details, *55,
Dayton, Ohio:
—Dayton Power & Light Co.:
Energy consumption survey, Details, 741,
—Dayton & Western Traction Co.:
Refinancing completed, 398,
Denver, Colo.:

Refinancing completed, 398.

Denver, Colo.;
—Denver & Interurban R.R.;
Foreclosure, 185, 399.
—Denver Tramway;
Excess paving costs to be paid, 925.
Fare controversy, 179.
Franchise negotiations, 92.
Hazarda of street work [Matthews], c957;
Comments on, 987.
Headway recorders in dispatcher's offica,
Details [Love], *419.
Paper distributed on care, 393.
Rate making vs. sales value defined, 978.
Refinancing program, Details, 754.
Department of Street Rys. (see Detroit, Mich.).
Des Molnes, lows:

Department of Street Rys. (see Detroit, Mich.).

Des Moines, Iowa:

—Dea Moines City Ry.:

Clean, bright cara affect riding [McMahon].

c575.

One-man car cass, Declaion, 548, 585; Rehearing, 1958.

Weekly pasa riders Increase, 248.

Detroit, Mich.:

Department of Street Railways:

Accident reduction campaign results, 1004.

Bus competitors attacked by Mayor, 308.

Bus scrvice, Importance of, 791.

Car and bus bids asked, 723.

Carhouse, property sale, Bids received, 792.

Car purchase plane, 678.

Car stanchion maintenance [Williams].

*615.

Financial reports, 397, 592, 797, 929.

Gas-electric conches, Dealgn, *188.

Detroit, Mich.:

—Department of Street Railways (Continued):
Identification numbers for trainmen, 926.
Lubrication of center bearings [Williams].

*1092. Department of Street Railways (Continued):
Identification numbers for trainmen, 926.
Lubrication of center bearings [Williams].
*1092.
New financial policy necessary, Details, 140.
Paving relief defeated, 261, 393, 665:
Comments on, 765.
Personnel changes, 675.
Reaudit of books asked, 184; Comments on, 192.
—Detroit, Toledo & Ironton R.R.:
Gas-electric cars installed, *847.
—Detroit United Ry::
New receiver appointed, 225.
Operating agreement in Pontisc, 1012.
Partial abandonment, 1063.
Power equipment sold, 311.
—Lord Ashfield comments on transportation. 219.
—Monorall construction proposed, 879.
—Rapid transit report, 91.
—Subway plan, Vote deferred, 587,
Dick Prescott, *132, *342, *702, *917, *1100.
Discontinuance of lines:
—Abandonments in 1926, Statistics, *43; Comments on, 2.
—Auburn, N. Y., 754.
—Bellingham, Wash., 356,
—Chicago & Interurban Traction Co., 755.
—Columbia, S. C., 555, 711, 1061.
—Detroit United Ry., 1063.
—Evansville, Ind., 1064.
—Fredonia, N. Y., 841.
—Grand Rapids, Mich., Abandonment arouses former patrons, 217; Comments on, 191.
—High Point, N. C., 552, 928.
—Huntington, L. 1., 628.
—Jamestown, N. Y., 108.
—Huntington, L. 1., 628.
—Jamestown, N. Y., 266.
—Manitowoc and Two Rivers, Wis., 356.
—Milford & Uxbridge Street Ry., 222.
—Morristown, N. J., Proposal, 356; Comments on, 319.
—Newark, Ohio, 138; Comments on, 107.
—Paris, Texas, 882.
—Peterboro, Ont., 789.
—Shawnee, Okla., 143.
—Tampleo, Mexico, 672.
Dispatching:
—Headway recorders in dispatcher's office, Denver, Colo, [Love], *419,
—Highwood, Ill., Centralized train control, 925; Details, 956.
—Rome, 141y, Details [Blake], *935.
Doors, Car:
—Treadle:
—Use on one-man cars [Frehse], 254.
Duluth, Minn.:
—Duluth Street Ry.:
Fare controversy, 711.

E Eastern Massachusetts Street Ry. (see Boston. Mass.).
Eastern New York Utilities Corp. (see Albany. N. Y.).
East St. Louis, Ili.:
—East St. Louis Ry.;
Rébulit cars, 879; Details, *1000.
—East St. Louis & Suburban Ry.:
Bus competitor abandons operation, 669.
Fares decreased in lean hours, 1060.
Highway crossing made of old rail [Baker].
*812,
Motor coach maintenance [McDonald]. Motor 545. Sunday pass system, 549; Comments on. 601.

Education:

Akron, Ohio, Bus school, Details, *1002.

A.E.R.A. committee work, Comments on, 368.

Boston, Mass., Courses, 1154.

Chicago, Ill., First-sid training courses, 156.

Conference leaders to be trained, Comments on, 1072.

Electrical farm equipment demonstration. Indiana, 448.

Foremen conferences help [Norris], c88.

London, England, Signal school, Details, 1003.

Public utility information pamphlets, Ohio, 142.

Training transportation salesmen, Comments 142.

Training transportation salesmen, Comments on, 444.

-University courses:

Harvard, Course for utility executives, 408; Dedication, 1060.

Northwestern University, 1113.

Eighth & Ninth Avenues Ry. (see New York City). Electrical equipment: Electrical equipment:

-Chicago, Ill., Construction and maintenance methods [Smith], *682.

-Condulet cover, Wedge-nut fastening (Crouse-Hinds), *745.

-Controllers, Improvements in [Axtell], 254.

-Electro-pneumatic devices on Springfield, Mass. experimental car. *859.

-Jumper fuse location, B.M. T., 87.

-Mica undercutter, Portable, *426.

-Signal panel for water alarm (G.-E.), 1007.

-Springfield, Mass. experimentsl car, Details, *562. Comments on, 559.

Electric Rsilway Association of Equipment Men, 8outhern Properties;

-Annual meeting, Report, 253; Comments on, 317.

Electric Railway Association of Equipment
Men, Southern Properties (Continued):

—Manufacturers admitted, 427.

—Pull-in record, 250, 342, 745, 871.

—"Pull-in" rules [McWhorter], c128; Comment on, 318.

—Semi-annual meeting, Report, 216.

Electric Railway Journal:

—Annual Maintenance Issue, Readers' comments, 610, 702.

—Maintenance data contest, 700, 743, 782, 823, 870, 959, 1006, 1048, 1147; Judges.

*910.

—Prize announced, *1090. *910.
*910.
Paso. Texas:
Paso. Texas:
El Paso Electric Ry.:
-Maintenance prize won by A. Tawrman,
*1000.
Depot service, *902.
Publicity program, Detalls [Muse], *163;
Comments on, 192.
mployees: Publicity program, Details [Muse], *103; Comments on, 192.

Employees; —Accident prevention bonus system, Brooklyn, N. Y. [Hodges], 215.

—Advancement of, Comments on, 11:27.

—Automobiles, Use by industrial workers, Comments on, 986.

—Beaumont, Texas, Story told to new men IBrann 1, 834.

—Brooklyn, N. Y., Laundry drier for wet uniforms, 956,

—Buffalo, N. Y., Sick benefits, 1046.

—Chicago, Ill., First-aid training courses, 166,

—Courtesy contest, Salt Lake City, Utah, 219.

—Employee ownership advantages, Comments on, 1025,

—Environment affects work, Comments on, 892.

—General Electric employees receive supplementary compensation, 315,

—Highwood, Ill., Awards for business tips, 667.

—Huntington, W. Vs., Recrestion rooms for, *422. Los Angeles, Cal., Bonus to trainmen, 94, Merit system, Details, *1130, -Louisville, Ky., Connelly Award for public service, 221. -Louisville, Ky., Connelly Award for public service, 221.

-New Brighton, Pa., Twenty-five-year men banqueted, *465.

-P. R. T. employee ownersbip statement, 61.

-Poor tools cause accidents to, 502.

-Prize awards, Value of, Comments on, 986.

-Profit-sharing plan, Fifth Ave. Coach Co., 629. —Psychological tests urged by Dr. Gilbreth.
505.
—Public relations affected by Comments on.
406. -Recrestion improves work, Comments on, 804.
-Relief and loan plan, General Electric Co.,
102. 102,

-Rochester, N. Y., Service record, 995.

-Safety course for platform men, Chattanoogs,
Tenn., 907.

-81. Louis, Mo., Loan Association dividend,
566; Report, 858.

-Salt Lake City, Utah, 25-year veterans celsbrate, *667.

-South Bend, Ind., Better business prizes,
*1111. Sait Lake City. Utah. 25-year veterans celsbrate, *667.

South Bend. Ind., Better business prizes, *1111.

Toledo, Ohio, New uniforms, *714.

Training as salesmen, Comments on, 444.

Training employees [Sarrel, 831.

Training of apprentices, Comments on, 106.

U. S. Chamber of Commerce discusses employee relations, 872; Comments on, 850.

Energy consumption:

Dayton, Ohio, Survey, 741.

England (see Great Britain).

Erie, Pa.;

Bus purchase ratified, 975.

Wage arbitration, 837.

Paving method, Details, *331.

European practice:

Australia railway advertising, 613.

Czechoslovakia, Railway practice, Details [Neithammer], *79.

Light metal for car construction, 819.

Rail corrugation, Effect of abrasion and compression [Fremont], *283.

Rail corrugation, Study of, Details [Ewing], 281.

Rome, Italy, Operating details [Blake], *945; [Raymur], c1145. Evansville, Ind.:

—Evansville & Ohio Valley Ry.:

—Abandonment sought, 1061, 1115.

—Southern Indiana Gas & Electric Co.:

Cars named after first settlere, 860. Fare collection:

-Buffalo, N. Y.. New transfer system, 1011.

-One-man fare collection methods [Weyman].

1053.

-San Diego, Cal., System. Details, *1028.

-Sunday pass:

East St. Louis, Ill., 549; Comments on.

601.

-Weskly pass:

Des Moines, Iowa, Use increases, 248.

Norfolk, Va.. Simplified form, *815.

Pittsburgh, Pa.. Campaign to promote,

Details, *194; Comments on. 191.

San Diego, Cal., Details, *1028.

Terre Haute, Ind., Discontinuance sought,

836.

Wheeling, W. Va., Sales increased, 305. 836,
Wheeling, W. Va., Sales increased, 305.
Fare decreases:
—Coffeyville, Kans., 307.
—East St. Louis, Ill., 1060.
—Johnson City, Tenn., 627.
—Lynchburg, Va., 432.
—Nashville, Tenn., 469.
—Pittsburgh, Ps., 93.
Fare jorcases: Fare increases:
—Albany, N. Y., 1110.

Fare increases (Continued): -Buffalo, N. Y., Commission approves, 428, 1109, 1151. -Buffalo, N. Y., Commission approves, 428, 1109, 1151.

-Burlington, lows, 669,
-Clarksville, Tenn., 433,
-East St. Louis, Ill., Bus, 716.
-Fort Worth, Texas, 307, 391; Comments on, 366.
-Framingham, Mass., 550,
-Highwood, Ill., 585,
-Houston, Tex., 1110,
-Lronwood, Mich., 94,
-Lincoln, Neb., 837,
-Macon, Ga., 669,
-Nortolk, Va., 56,
-Nortolk, Va., 56,
-Northampton, Mass., 880,
-Ogden, Utah, 588, 751,
-Oneida, N. Y., 667,
-Petersburg, Va., 56,
-Port Chester, N. Y., Bus, 715,
-Rome, N. Y., 180,
-8t. Louis, Mo., 303,
-Sanford, Me., 181,
-San Francisco, Cal., 93,
-Sioux City, Iowa, 394,
-Syracuse, N. Y., 260, 303; Comments on, 273,
-Watertown, N. Y., 180,
-Wichita, Kans., 974. -Albany, N. Y., Fare controversy, 141, 488, 881, 1153.
-A.E.R.A., figures, 1925-26, 265; 670, 841, 1062, -Albany, N., Y., Fare controversy, 141, 488, 881, 1153.

-A.E.R.A. figures, 1925-26, 265; 670, 841, 1622.

-Binghamton, N., Y., Controversy, 751.

-Buffalo, N., Y., Controversy, 751.

-Buffalo, N., Y., Controversy, 93, 220, 712, 973, 1109; Comments on, 986.

-California rate cases, 971.

-Conspectus of indexes, 185, 398, 592, 754, 978, 1158.

-Denver, Colo., Controversy, 179.

-Denver, Colo., Rate making vs. sales value defined, 978.

-Duluth, Minn., Controversy, 171.

-Fare earnings in Missouri, 1015-25, 62.

-Fare hearings, Comments on, 939.

-Fare requirements [Storrs], 828; [Sawyer], 830.

-Fare nearnings in Missouri, 1015-25, 62.

-Fare hearings, Comments on, 939.

-Fare requirements [Storrs], 828; [Sawyer], 830.

-Houston, Texas, Fare revision asked, 142.

-Framingham, Mass., Passengers petition for decrease, 749, 1112.

-Glasgow, Scotland, Graded fares, 395.

-Houston, Texas, Adjustment, Details, 464, 1110.

-Kansas City, Mo., Fare changes sought, 786.

-Knoxville, Tenn., Arrangement popular, 355.

-London, Ont., Increase sought, 712.

-Los Angeles, Cal., Controversy, 261, 432.

-548, 713, 749.

-Modernization affects [Gordon], 1087.

-Newark, N. J., Fare controversy, 91, 394, 624.

-Oakland, Cal., Fare issue lost in Supreme Court, 58.

-Patsdeana, Cal., Fare issue lost in Supreme Court, 58.

-Pittsburgh, Pa., Fare changes [Boyce], 1055.

-Portsmouth, Ohio, Fare arrangement, *1133.

-Rate regulation, Principles and methods, Comments on, 681.

-Reproduction costs as rate making basis [Goldberg], 965.

-Rochester, N. Y., Hearings, 91.

-St. Louis, Mo., Controversy, 177, 250, 303, 428, 466, 711, 787, 972, 1059.

-Schenectady, N. Y., Commutation ticket sought, 178.

-South Bend, Ind., Excursion rates, 769.

-Syracuse, N. Y., Controversy, 393.

-Tacoma, Wash, Fare changes, 353, 837.

-Trend in 1926 [Richey], *28; Comments on, 68.

-Zone fare system, San Diego, Cai., Details, *1028. -Zone farc system, San Diego. Cai., Details, *1028.

Farm demonstrations by interurban, Indiana. Fifth Avenue Coach Co. (see New York City). Financial: -Baltimore, Md., Railway refinancing, 399, . 929.

Bond issues and maturities, 1926, *31; Comments on, 3.

Bond issues, Comments on, 727.

Boston Elevated Ry., Financial readjustment suggested, 144.

Boston & Worcester financial situation, 225.

B.-M. T. seeks refunding issue, 8\$2.

Brooklyn, N. Y., Dividend deferred, Details, 225, 882.

Canadian railway operations, Survey, Betails Brooklyn. N. Y., Dividend deterred, Details, 225, 882.

Canadian railway operations, Survey, Details, *852; Comments on, 849.

Chicago City Ry, dividend omitted, 631.

Chicago, Ill., Financial features of the Blair transit plan, *154; Comments on, 152.

Chicago Rys. receivership, Petition filed by City, 62.

Chicago Rapid Transit bonds offered, 929.

Chicago Rapid Transit bonds offered, 929.

Cincinnati Street Ry, budget for 1927, 60.

Clevelsand Ry, increases capital stock, 755.

Corporate readjustments, Comments on, 726.

Customer-ownership campaign, Results, 357.

Dayton & Western refinancing, 398.

Day & Zimmermann, Inc., Changes hands, 1116.

Denver, Colo., Refinancing program, 754. 1116.
Denver, Colo., Refinancing program, 754.
Detroit United Ry, power equipment sold, 311.
Development of miscellaneous revenue [Boyce], 1055,
Equipment trust certificates issued, Philadelphia, Pa., 265.

-Expenditures, Railway estimate, 1927, *11: Comments on, 2, 68.

```
Financial (Continued):

-Foreclosure:
Chicage Rys., 311.
Cincinnati, Georgetown & Portsmouth Ry., 798.

Denver & Interurban Ry., 185, 399.
Fort Wayne, Van Wert & Lima Traction Co., 310.
Morris County Traction Co., 631, 840, 1063.
Murphysboro & Southern Illinois Electric R.R., 1017.
Review for 1926, *40; Comments on, 87.
United Rys. of St. Louis, 435, 670, 792.
978, 1017.
Washington-Virginia Ry., 266, 435, 882.
-Foshay Company changes corporate structure, 718.
-Georgia utilities consolidated, Details, 223, 435.
-Indianapolis, Ind., Merger plans, 1156.
-Inland Empire Ry. sold to Great Northern, 929.
-International Utilities offer for Lethbridge Ry., 753.
-Mitten Bank merger, Philadelphia, Pa., 878.
-National Public Service Corp. control changes hands, 553, 631.
-Newark, N. J., Railway budget for 1927, 307.
-New Money for utilities, Comments on, 407.
-New York City subway construction contracts,
            Financial (Continued):
         307.

New money for utilities, Comments on, 407.

New York City subway construction contracts, 1157.

No-par-value stock, Comments on, 408.

Ohin electric railway budgets for 1927, 440.

Omaha, Neb., Bond extension, 1117.

Public debt, Comments on, 445.

Railway costs and fares in 1928 [Richey], 228; Comments on, 68.
                                      *28; Comments on, 68.

-Receiverships:
Auburn & Syracuse Electric R.R., 471,
Chicago Rys., Petition filed by city, 62.
Cinchnati, Georgetown & Portsmouth R.R.,
310.
Eighth & Ninth Avenues Ry., 841.
Empire State R.R., 840.
Grand View R.R., 146.
Purple Swan Safety Coach Lines, 58, 308,
489.
Record for 1926, Statistics, *40; Comments on, 67.
                                                                Grand View R.R., 146.
Purple Swan Safety Coach Lines, 58, 308.
469.
Record for 1926. Statistics, *40: Comments on, 67.
Union Traction Co., Coffeyville, Kans., 144.
teorganization:
Boston Elevated Ry., 223; 357.
Boston & Worcester Street Ry., 665.
Cincinnati, Portsmouth & Georgetown R.R., 1015.
Fitchburg & Leominster Street Ry., Details [Baker]. *738; Comments on, 765.
Fort Wayne, Ind., Methods [Feustel], 296; Comments on, 367.
Fort Wayne, Van Wert & Lima Traction Co., 97, 310.
Framingham, Mass., 753.
Georgia Power Co., 435.
Grand Rapida, Holland & Chicago Ry., 217.
260, 466, 624, 1060; Comments on, 191.
Grand Rapidas, Ry., 718. 882, 929, 978;
Comments on, 726.
Groton & Stonlington Traction Co., 265.
Kansas City, Lawrence & Topeka Electric R.R., 720.
Kansas City, Rys, Review, 632, 1150.
Norfolk, Va., 433.
Oklahoma Ry., 266.
Phoenix Street Ry., 550.
Porto Rico Rys., Idd., 435.
Rockford, Ill. rallways, 311, 798.
Springfield Street Ry., 359.
United Rys., St. Louis, Mo., 97.
West Chester, Pa. bus lines, 552.
Wiehlian Railroad & Light Co., 436.
Williamsport Passenger Ry., Details, *728:
Comments on, 765.
Louis, Mo., Building & Loan Assn. report, 858.
         Comments on, 765.

—St. Louis, Mo., Bullding & Loan Assn. report. 858.

—St. Paul, Minn., Railway earnings, 1926, 184.
—San Francisco, Cal., Bond extension controversy, 712.

—San Francisco Municipal Ry, situation, 306.
—Seattle, Wash., Bond redemption plan, 358, 464.

—Torento, Can., Radial railway control, 265.

—Teronto Ry, liquidation dividend, 792.

—W. B. & A. control changes hands, 1015.

Financial reports:
Toronto Ry. Radial railway control, 265.

Teronto Ry. Hauidation dividend, 792.

W. B. & A. control changes hands, 1015.
Financial reports:

Akron, Ohio, 1117.

Allentown, Pa. 883.

Albany, N. Y., 1118.

Alliance, Ohio, 592.

Annual reports fnr 1928, Comments on, 639.

Baltimore, Md., 930.

Berksbira Street Ry., 1116.

Bostom Elevated Ry., 264; Comments on, 1127.

California bus report [McCabe], *866.

Canadian railways, Survey, Details, *852; Comments on, 849.

Capital Traction Co., 1063.

Chicago Railways, 1158.

Chicago Railways, 1158.

Chicago Surface Lines, 97, 553, 797.

Chicago Surface Lines, 97, 553, 797.

Chicago & West Towns Ry., 472.

Cincinnati Street Ry., 471, 976.

Columbus, Ohio, 359.

Connecticut Co., 116.

Department of Street Rys., Detroit, Mich., 397, 592, 707, 929.

Duluth-Superior Traction Co., 671.

Bastern Massachusetts Street Ry., 719.

Electric railway operations in 1926, A.E.R.A. report, 792; Comments on, 784.

Engineers Public Service Co., 471.

Fort Wayne, Ind., 1118.

Grand Rapids, Mich., 223; Comments on, 193.

Hamilton, Ohio, 840; Cemments on, 851.

Illiehwood, 111., 755.

Illinois Power & Light Corp., 1159.
```

Financial reports (Continued):

—Indianapolis Street Ry., 930.

—International Ry., 398.

—London, Ont., 1180.

—Louisville Ry., 630.

—Milwalkee, Wis., 358.

—Montreal Tramways, 977; Comments on, 938.

—Municipal Ry. of San Francisco, 144.

—New Ark, N. J., 1016.

—New York, New Haven & Hartford R.R., 1118.

—New York State Rys., 60, 310.

—Oklahoma Ry., 224.

—Ottawa Electric Ry., 670.

—Philadelphia Rapid Transit Co., 590, 930.

—St. Joseph, Mo., 670.

—Sioux City, 10wa, 883.

—Springfield, 111., 929.

—Tampa, Fla. 842.

—Tampa, Fla. 842.

—Tennessea Electric Power Co., 1015.

—Texas Electric Ry., 309.

—Twin City Rapid Transit Co., 436; Comments on, 407.

—United Rys., St. Louis, Mo., Auditer's report. 717.

—Washington, Baltimore & Annapolis Elec.

R.R., 1157.

—Washington Railway & Electric Co., 397.

—West Penn Rys., 632.

Fire equipment locations, Grand Rapids, Mich., *424. Freight and express (Continued):

—Aurora, Ill., Service improved, 1110.

—Condition and repair of freight cars. C.E.R.,

M.M.A. rules, *961.

—Express service by railways in conjunction
with freight [Brown], *181.

—Ton-mile freight cost, Determination of
[Cole], 813.

Fuels:

—Coal consumption tennage, 1165.

—Coal stocks nullifles strike menace, 982.

—On industry situation, Comments on, 1125. G Garages:

—Chattanooga, Tenn.. New garage and repair equipment [Reed], *515.

—Gary, Ind., Plans for, 395.

—Lexington, Ky. [Plimpton], *234.

—Proposed firs protection regulations [Georgs]. c868; Comments on, 849.

—Rockford, Ill., 1168.

—Waterbury, Conn., Details, *446.
Gary, Ind.:

—Gary Railways:

Bus route extensions, 59, 881.

Customer-ownership campaign, Results, 357.

Equipment trust issue, 978. —West Penn Rys., 632.

Fire equipment locations, Grand Rapids, Mich.,

*424.

Fire prevention:

—Proposed grage protection legislation

[George], e868; Comments on, 849.

—San Francisco, Cail., Fire truck, *1137.

Fitchburg & Leominster Street Ry.:

Reorganization details [Baker]. *738:

Comments on, 765.

Fitkin utility managers convention, 181. 357.
Equipment trust issue, 976.
Express bus route abandonment sought, 1014.
Fare increase sought, 551.
New cars, Specifications, *210.
One-man cars ordered, 228.
Shore Line Motor Coach Co.;
Coach company purchased, 222.
Garage construction plans, 395. Gears and pinions:

—Gear-center distances, maintenance [Pontius],

*899, *1080; Comments on, 1071,
General Electric Co. wins Sesquicentennial
prizes, 148,
Georgia Railway & Power Co. (see Atlants,
Ga.).
Germany: Florida:
—Franchise laws, Comments on, 939. Fonda, Johnstown & Gloversville R.R. (see Gloversville, N. Y.). Georgia Railway & Power Co. (see Atlants. Gs.)

Germany:

—Berlin Street Ry.:

Axle brakes and heaters in new cars. Details. *174.
Car improvement program. Details [Pforr].

*203. *243.
Car painting methods. 528.

—Rhenish-Westphalian rapid transit line, Construction progress [Cauer]. *1131.
Glens Falls. N. Y.:

—Hudson Valley Ry.:

Abandonment hearing. 62.
Gloversville, N. Y.:

—Fonda, Johnstewn & Gloversville R.R.:

Condemnation figure protested. 397.
Government ownership:

—Discussed by Southwestern Public Service Assn. 827; Comments on. 803.

—U. S. Chamber of Commerce discusses, 873;
Comments on. 850.
Grand Rapids. Helland. & Chicago Ry. (see Holland. Mich.).

Grand Rapids, Mich.:

—Elimination of downtown parking suggested.

776.

Grand Rapids Ry.: Gloversville, N. Y.).

Fort Wayne, Ind.:

—Fort Wayne & Northern Indiana Traction
Co.:

Financial reorganization, Details [Feustel],
296: Comments on, 367.

—Fort Wayne, Yan Wert & Lima Traction Co.:

Reorganization, 97, 310.

—Indiana Service Corporation:

Air equipment testing methods, [Reddersen], *338.

Annual report, 1118.

Attractive cars popularized service
[Bucher], c249.

Bus line abandonment sought, 716.
Plant exhibited to the public, *305.

Fort Worth, Texas: Plant exhibited to the public, *305.

Fort Worth, Texas:

Northern Texas Traction Co.:

Crimson limited train installed, 394.

Crimson Limited train overhauled, Details [Hoskins], *246.

Dallas-Fort Worth bus service, 1155.

Fares increased, 142, 307, 391; Comments on, 366.

Radio used as advertising medium, 242. Grand Rapids, Mich.:

—Elimination of downtown parking suggested, 778.

—Grand Rapids Ry.:

Annual report, 223, Comments on, 193.

Armature handling truck, *744.

Car wheel buggy, *525,

Coffin Award for 1927 entered, 665.

Fire equipment locations, *424.

New Year's card receives favorable comment, *180.

Paving relief measure lost, 585.

Publicity campaign for paving referendum, 627,

Reerganization plans, 718, 882, 929, 978;

Comments on, 728,

Snow scraper and sweeper combined, *380.

Tail light on cars locked in place, *251.

Welding worn brake beams, *344.

Grandville, Mich.:

—United Suburban Ry.:

Officers elected, 675.

Great Britain:

—Bradford Corporation Tramways;

Car designed for quiet operation, Details, *817.

—Glasgow, Scotland;

Graded fares, 395.

Single-deck car revenue, *566.

—Ipswich, England, Trackless trolley, Design, *996.

—Keighley, England, Accident reduction, 221.

—Liverpool, report on bus and trams, 395. Framingham, Mass.:

—Boston & Worcester Street Ry.:

Bus substitution petition, 434.
Fare increase, 550.
Financial situation, 225.
Passengers petition fare decrease, 749, 1112.
Reorganization plan, 665; Details, 753. France:
—Electrification progress, 221, 628.
—Paris:
Schedule speeds of trsmway and bus, Details [Mariage]. *157; Comments on, tails [Mariage]. *157; Comments 152;

—Paris-Orleans locomotive, Details, *458.

—Quick-setting cement, Details, *386. 152.
—Paris-orleans locomotive, Details. *458.
—Quick-setting cement, Details, *386.
Franchises:
—Buffalo, N. Y., Bus franchise, 183.
—Buffalo, N. Y., Controversy, 138, 924.
—Canton, Ohio, Negotiations, 307.
—Chicago, Ill., Controversy, 92, 139, 259; Comments on, 233.
—Chicago, Ill., Day-to-day agreement, 217.
—Cleveland, Ohio, Negotiations, 354.
—Dallas, Tex., Franchise extended, 587.
—Dallas, Tex., Franchise extended, 587.
—Danville, Ill., New franchise, 180.
—Denver, Colo., Negotiations, 92.
—Florida laws, Comments on, 939.
—Illinois, Terminable permit, 92, 548; Comments on, 68.
—Kansas City, Mo., Negotiations, 93, 180, 220, 392, 466, 584, 712.
—Liberty-Kansas City rallway receives franchise, 431.
—Minneapells, Minn., Bus concessions, 589.
—New York City bus franchise negotiations, 58, 222.
—Omaha, Neb., Negotiations, 56, 428, 468.
—750, 1660, 1154.
—Philadelphia, Pa., Frankford line lease controversy, 304.
—Philadelphia, Pa., Ordinances passed, 585.
—Richmond, Va., Change made, 431.
—Rochester, N. Y., Service-at-cost franchise snught for buses, 183.
—Rockford, Ill., New franchise, 220.
—St. Louis, Mo., Service-at-cost franchise discussed [Bonbright], [Nash], c290; Comments on, 274.
—Sandusky, Ohio, Negotiations, 788.
—Staten Island, N. Y., Bus franchise situation [Reffschneider], c459.
—Tacoma, Wash., Agreement on change methods, 586.
—Tolede, Ohio, Negotiations, 393, 787, 1109.
—Winnipeg, Can., Situation, 353. - Ipswich England, Trackless trolley, Design.

*996.

- Keighley, England, Accident reduction, 221.
- Liverpool report on bus and trams, 395.
- London Underground Rys.:

Extension causes land boom, Comments on, 193.

Signal school, Details, *1003.
- Metropolitan Electric Twys, increase car speed, 1154.
- Railway and bus competition, 1154.
- Tax relief from tramway revenue, 1154.

Great Northern Ry.:
- Bus service curtailed, 59.
- Electrification progress, 637.
- Equipment plans for 1927, 148.
- Giant electric locomotive put in service, 383.
- Inland Empire Ry. purchase approved, 929.
Greensboro, N. C.;
- North Carolina Public Service Co.:
- Construction truck built, Design, *813.
- Workbenches improve working conditions, *293.

Groon & Stonington Traction Co. (see Mystic, Const.) Groton & Stenington Traction Co. (see Mystic, Conn.). Tacona, Wash. Agreement on change methods, 580.

—Toledo, Ohio. Negotiations, 393, 787, 1109.

—Winnipeg, Can. Situation, 353.

Freight and express:

—Anderson, Ind., Collect-on-delivery service, 1110.

Hamilton, Ont., Can.:

—Hamilton Street Ry.:
Cars ordered, Specifications, 104.

Hampton, Va.:

—Newport News & Hampton, Ry., Gas & Elec.
Co.:
Cars rebuilt for one-man operation, 188.
Compressor brush storage, *825. Harrisburg, Pa.:

—Harrisburg Railway:

Car washing methods, Details [Rexroth].

*341.

Liue construction truck, *1146.

Maintenance coat reduced, Methods, *329. Maintenance coat reduced, Methods, *329.

Hazleton, Pa.:

—Wilkes-Barre & Hazelton Ry.:

Metal car steps reduce maintenance, *661.

Safety guards on shop machinery, *908.

Welled, Pressing on methods, *331.

Heaters, Electric:

—Berlin, Germany, *174.

—For repair shops (Railway Utility), *707.

Heavy electric traction:

—Bremner electrification, Austria-Italy, Progress, 394.

—Czechoslovakia, Details [Neithammer], *79.

—French electrification progress, 221.

—Chicago, Ill., Suburban electrification plans, 712.

—Economics of railroad electrification [With-T12.

Economics of railroad electrification [Withington], 1008.

French electrification halted by lack of funds, 628.

Great Northern Ry, electrification progress, 637.

Long freight trains [Withington], c86.

Mexican Ry., Electrification progress, 440.

Foland, Electrification progress, 394.

Switzerland, Electrification progress, 943, 394.

Hicksville Railway, Adventures of Old Man Hicksville Railway, Adventures of Old Man Trouble, *120, *340, *547, *699, *909, *1097. Highwood, Ill.:

—Chicago, North Shore & Milwaukee R.R.:

Annual report, 755.

Awards for busineas tips, 687.

Centralized train control, 924, 956.

Fare increase, 585.

Free parking space furnished, 430.

Illuminated signboard advertisea service, 586. 586. Improvements on Skokie Valley route, 550. New station opened, Details, 57, *238. Personnel changes, 478. Rehabilitation plans, 54. Troiley storage-battery locomotives ordered, *1023. *1023.

Holland:
—Trackless trolley, railway and bus operations compared, *612.

Holland, Mich.:
—Grand Rapids, Holland & Chicago Ry.:
Rehabilitation progress, 217, 260, 466, 624, 1060; Comments on, 191.

Holyoke, Mass.;
—Holyoke Street Ry.:
Suit won against bus competitor, 434.

Suit won against bua competitor, 434,
Houston, Texas:

-Houston Electric Co.:
Fare adjustment, 464, 877, 1110,
Nawspaper advertising campaign, 626,

-Houston North Shore Ry.:
Construction progress, 468,
Passenger service begun, 1113,
Hudson Vallay Ry, (see Glens Falis, N. Y.):

Huntington, W. Va.:
—Ohio Valley Electric Ry.:
Recreation rooms for trainmen, *422.

I

Illinois Electric Railway Association:

—Annual meeting, Report, 579.

Illinois Power & Light Corp. (see Chicago, Ill.):

Illinois, State of:

—Home rule bills discussed by utilities assn.,

579.

—I.C.C. truck competition hearings, 589.

—Townicable parent, legislation persons, 92, 548. —Home ule bills discussed by utilities assn.

679.

—I.C.C. truck competition hearings, 589.

—Terminable permit legislative report, 92, 548;
Comments on, 68.
Illinois Traction System (see Chicago, Ill.):
Indiana, Columbus & Eastern Traction Co. (see
Springfield, Ohio):

—Indianapolis Street Ry.;
—Bue operation planned, 589.
Financial report, 930.

Labor case, Date set for arguments, 750,
Peoples Motor Coach Co. purchase negotiations, 752, 839, 927, 1014.

Wage increase, 260, 1013.

—Interatate Public Service Co.:

Dining car menu praised, 457.
Interurban car order, 934.

Locomotive constructed out of bridge material [Bange], *649,
Personnel changes, 269, 400, 475.

—Terre Haute, Indianapolia & Eastern Traction Co.:

Bond exchange, 1062.

Co.:
Bond exchange, 1062.
Bond exchange, 1062.
Discontinuance of weekly pass sought, 836.
Merger plans, 1062, 1156.

Composation (see Fort Wayne.

Indiana Service Corporation (see Fort Wayne, Ind.):

Indians. State of:

—Bli against Commission defeated, 432.

—Bus operation by electric railways, 169.

—Farm demonstrations by interurban, 4:

—New utility laws, 711.

—Revenue from utility taxes, 412.

Industrial arts, Comments on, 805. Inland Empire R.R. (see Spokane, Wash.):

Inspection of cars:

—Chicago, Ill., Methods, Details [Shaughnessy],

*492; [Smith], *511.

—Freight, C.E.R.A. rules, *961.

—Harrisburg, Pa., Methods, *329.

—Philadelphia, Pa., Methods [Stier], c339.

—Winnipeg, Can., Methods [Watkins], 1105.
Insurance, Fire:

—A.E.R.A. collecting data, 216. Comments on,

153, 560.

—Underwriters' label on new cars, 291.
Insurance and pensions:

—Chicago, Ill., Employees insured, 1086.

—Group insurance, General Electric Co., 596.

—Quincy, Ill., Group insurance, 394.

—Rochester, N. Y., Insurance policies given for asfety records, 181.

—Illinois Pwr. & Light give insurance policies to employees, 142.

Interborough Rapid Transit Co. (see New York City):

International Economic Conference:

International Economic Conference:

—American ideas [Mehren], 1022.

—Capitalism and communism [Mehren], 982.

—Economic difficulties diagnosed [Mehren], 933.

933.
—Economic remedies suggested [Mehren], 1088.
—Geneva meeting, Report, 676, 888.
—Poola and cartels summarized [Mehren], 1122.

International Ry. (see Buffalo, N. Y.):
Interstate Public Service Co. (see Indianapolls, Ind.):

Ind.):
Interurban railways:

Grand Rapids, Mich., Suburban residents seek restoration of service, 217; Comments on, 191.

Mexican Tramways interurban construction pians, 1022.

Milwaukee, Wis., Interurban cut-off, etails, Motormen's badges poor ads for [An Interurban Patron], c422.

International Union of Tramways, Local Railways and Public Transport Automobiles:

Rail corrugation study, Details [Ewing], 281.

Iowa, State of:

One-man car decision, 585.

Transportation in Rome, Details [Biake],

*945; [Raymur], c1145.

Jacksonville, Fls.:

—Jacksonville Traction Co.:

Property offered to city, 281.

Jamestown, N. Y.:

—Chautauqua Traction Co.:

Liquidation under way, 224.

—Disposition of railways discussed, 798.

—Jamestown Street Ry.:

Bue route to replace car service, 1061.

De luxe cara installed, Details, *994.

Motor rheostats on car roofs, *424.

Motor rheustate Ca.

Joliet. Ill.:
—Chicago & Joliet Electric Ry.:
Aluminum body for worm-drive truck.
1068.
Chicago-Central Illinois through service agreement, 625.
Taxi aubstitution for buses sought. 975.
Through limited service installed. 1012.
Worm-drive truck developed, 579; Details.
*602. *954; Comments on, 561, 599.

K

Kansas City, Mo.:

—Kansas City, Lawrence & Topeka Electric R.R.:

Saie negotiatione, 720.

—Kanaaa City Public Service Co.:
Car maintenance, Details [Neal], *689.
Frare changes sought, 786.
Franchise granted, Details, 584.
Franchise negotiations, 93, 180, 220, 392, 466, 712.
Power plant sold, 753.
Reconstruction program, Details, *113.
Sightaeeing bus tours installed, 752.
Snow plow attachments, 824.
Track extensions, Citizens petition, 271.

—Viaduct construction plans, 221.

—Kanaas City Railways:
Receiver discharged, 978.
Recorganization Committee reviews affairs, 632, 1158.

Kentucky Traction & Terminai Co. (see Lexington, Ky.):
Key System Transit Co. (see Oakland, Cal.):
Knoxville, Tenn.:

—Knoxville Power & Light Co.:
Fare arrangement popular, 355.
Track switch developed, Details, *485.

L

Lackawanna & Wyoming Valley R.R. (see Scranton, Pa.): Lake Shore Electric Ry. (see Cleveland, Ohio):

Legal:
—Chicago, Ill., Home rule referendum, 549.
—Gasoline bill, Pennsylvania, 881.
—Legal notes, 63, 267, 437, 633, 843, 1018.

Legal (Continued):

-Louisville Ry, suit against bus competitor, 182, 262, 356.

-One-man cars upheld in Canads, 352; Comments on, 318.

-persting contract between Boston companies, 307.

-Pasadona Col. V.

ments on, 318.

Operating contract between Boaton companies, 307.

Pasadena, Cal., Fare case loat in Supreme Court, 56.

Pennsylvania, Daix traction bill, 882.

Seattle, Wash., Shit to compel cash payment to comployees, 218, 259.

Seattle, Wash., Tax auits, Disqualification proceedings, 549.

Legislation for railways:

Arkansas, Paving law upheld, 922.

Governors address on, 391, 431, 487; Comments on, 365.

Grand Rapids, Mich., Paving relief measure lost, 585.

Illinois, Home rule bill discussed by Utilities Assn., 579.

Indiana, New laws, 711.

Legislative burdens discussed by New England Street Ry, Club, 622.

Maine, Bus bill, 552.

Minneapolis, Minn., Regulatory law, Repeal threatened, 430.

Minnesota, Regulation of rates, 466; Comments on, 443.

New Jersey paving relief bill, 305, 549, 586; Comments on, 599.

New York, Legislative results, 354, 584, 666.

Ootario, Canada, Sanitary legislation, 924.

Paving relief progress, Comments on, 599, 805.

Pennsylvania bus bill, 791.

Philadelphia, Pa., Enabling legislation, 584, 665.

Utah paving measures, 626.

-Philadelphia, Pa., Enzoling legislation, 665.

-Utah paving measures, 626.

Lehigh Valley R.R.:

-Gas-electric cars ordered, *102.

Lehigh Valley Transit Co. (see Allentown, Pa.):

Lemoyne, Pa.:

-Valley Railways:

Derrick for litting motors and trucks, *88.

Levis, Quebec:

-Levis Tramways:

Holiday gifts to patrons, 141.

Air-magnetic brakes advertised, 990.
Trolley and bus operation, Details [Plimpton]. *234.

Lights and lighting squipment:
—Chicago, Ill., Maintenance methods [Smith]. *511.
—Fioodlight, projector (Westinghouse), *1007.
—Floodlighting projector, *133.
—Grand Rapids, Mich., Tail lights locked in place, *251.
—Headlight resistor, Oakland, Cal., *460.
—Lamp stands used in paint shop, *527.
—Milwaukee, Wis., Improved featurea, *327.
—Milwaukee, Wis., Improved featurea, *327.
—Safety platform lighting methods [Miller], *642.
—Socket installation simplified, *826.
—Lincolu, Neb.;
—Lincoln Traction Co.;
—Bus aubstitution plans, 928.
—Omaha, Lincoln & Beatrice Ry.;
—Bus abadonment sought, 1015.
—Fares increased, 749, 837.

Loading platforms;
—Chicago, Ill., Concrete platform construction extended [Traiser], *816.

Locomotives, Electric:
—Canadlan National Rya., Service record, Details, 606.
—Czechoslovakia, Details [Neithammer], *79.
—Great Northern Ry., 363.
—Indianapolis, Ind., Built from bridge material [Bange], *649.
—Inappection and testing, I.C.C. decision, 581.
—Orders during 1928, Statistics, *20; Comments on 4.
—Paris-Orieana locomotive, Details, *458.
—Shipments made, 270, 1923.
—Simplon-Loctschberg, locomotive, *605.
—South Bend, Ind. Order for, 677.
—Storage-battery, Chicago & Northwestern Ry., Details, *83.
—Trolley slorage—battery engines order, Highwood, Ill., *1023.

Locomotives, Oil-electric:
—Diesel prize announced, 596.

Locomotives, Oil-electric:

—Diesel prize announced, 596.
London, England (see Great Britain);
London, Ont., Can.;

—London Street Ry.;

Annual report, 1160.

Fare lucrease sought, 712.

Settlement aought with city, 973.
Long Island R.R. (see New York City);

Los Angeles, Cal.:

—Los Angeles Ry.:

Axie bearing flange, Fitting to truck, *343.

Banding wire machine. Details, *384.

Bus and truck repair abop, Design, *288.

Commutator slotter, Shop-built, Details.

*577.

Compressor, could on the physical additional controls.

*577.
Compressor outfit on bus chassis, *424.
Electrically heated equipment for shop use, *705.
Fare controversy, 260, 432, 713, 925, 1153.
Grinding shoe heads, *659.
Handling armatures on monorait system, *897.

Hydraulic presses used in shops, Details. *824. Merit system for employees, Results. *1139.

*1139.

Motors rebuilt, Detaila, *614.

Municipal operation recommended, 877.
925, 1012; Comments on, 851.

Pick-up and delivery storeroom service,

Report forms, Detalis, .76.

Los Angeles, Cal.;

—Los Angeles Ry. (Continued);

Safety glass on grinder replaces goggles,

2 520. Sand drying plant, *211. Schedule making and checking methods, *997.

Schedule making and checking methods, *997.

Shops modernized, Detaila, *1045.
Wheel flanges built up by welding, *869.

Pacific Electric Ry.:

Bus operations in Pasadena [Shoup], c821.
Da luxe bus service, 927.

Fare increase negotiations, 56, 180, 548, 973.

Interurban fare changes, 749.
Personnel changes, 401.
Street congestion increases repsirs [Geibel], 781.

Louisville, Ky.:

—Jitney license ordinance planned, 928.

—Louisville Rallway:

Annual report, 630.
Charter change to permit bus operation proposed, 752.

Connelly Award for public service, 221.
Injunction to restrain bus compatitor, 182, 202, 358, 1155.

Valuation figures, 1154.

Lubrication:

Lubrication:

—Alemite, For brake hangers [Taurman], *9
—Center bearing lubrication [Duffy], *1092,
—Bus lubrication methods [McDonald], 545.
—Crude oil production, 271.
—Oil reclaiming equipment, *212. •914.

Lynchburg, Va.:

—Lynchburg Traction & Light Co.:

Armature winding stand, *460,
Lamp stands used in paint shop, *527.

Pressing off pinions, *705,
Wheel jack, Motor operated, *384.

M

Macon, Ga.:
—Macon Railway & Light Co.:
Fare increase aought, 625,
Rehabilitation proposed in aurvey, 432. Maine, State of:

New electric railway construction, Progress, 57, 142. New electric railway construction, Progress, 57, 142.

Maintenance practice:

Annual cleaning, Comments on, 726,

Car rider's viewpoint, Comments on, 479.

Cast reduction, Comments on, 480.

Costs increased by lack of cooperation, Comments on, 106.

Electrical maintenance, Chicago, Ill., Datails [Smith], *511; Comments on, 479.

Exchanges of ideas promote progress, Comments on, 105.

Good patterns reduce machining costs, Comments on, 893.

Harriaburg, Pa., Improved methods, *329.

Higher standards of maintenance reduce costs [Williams], *347.

Keeping records, Comments on, 1073.

Modern methods should be applied to [Rassell], 349.

Noise reduced by proper maintenance, Comments on, 479.

Overbanling practice, New Orleans, La. [Naquin], 256; Comments on, 319.

Proper maintenance economical, Poem, 514.

Pull-in record. Southern properties, 250, 342, 745, 871.

"Pull-in" rules, Southern properties [McWorter], cl28; Comments on, 318.

Service failures due to carelessness, Comments on, 365.

Simplification of, Comments on, 1072.

Street congestion increases repairs [Geibel], 781.

Supervision of maintenance work, Comments on, 319.

—Supervision of maintenance work, Commenta on, 319.

—Use of another's idea of, Comments on, 1071.

Marinette, Wis.:

Menominee & Marinette Light & Traction
Co.;
Bus substitution sought, 629.
Sun visor protects motorman from glare,
*116.

*116.

Market conditions:

- American Brake Shoe report, 1926, 440.

- Bakelita traveling exhibition, 598.

- Brake block manufacturing organization, 403.

- Brill report, 363.

- Brown-Bovert elects new directorata, 188.

- Business forecasts of U. S. Chamber of Commerce, 373.

- Business ontlook for 1927, 149.

- Bus tool manufacturer exhibit at A.E.R.A. convention urged, Comments on, 601.

- Cedar trade expected by new commany, 148.

convention urgcd, Commenta on, 601.

Cedar trade expected by new company, 148.

Coal atocks nullify strike menace, 982.

Cruds oil production, 271.

Electrical goods orders, 364.

Electrical industry policy meeting, 596.

Electric locomotive shipments, 270, 1023.

Fake publicity warning to manufacturers,

Foreign trade convention, 597.

General Electric orders, 1926, 228, 802.

General Electric creates engineering council, 1022.

-General Electric report, 1926, 636.

Market conditions (Continued):

General Electric, Reviews of 1926 activities, 66.

German rail dumping case dropped, 1163,

Globe Ticket Co. expansion, 1022.

Haskelite products, Use by railways, 272.

International Economic Conference at Geneva, 6176, 888; [Mehren], 933, 982, 1022, 1068, 1122.

—Haskelite products. Use by railways, 272.
—International Economic Conference at Geneva,
676, 888; [Mehren], 933, 982, 1022, 1068,
*1122.
—International Steel Tis Co. orders for 1927,
149.
—Jobber's status discussed, 102.
—Lead production, 440.
—Lead production, 440.
—Lumber trade extension program, 188.
—Mack bus sales, 847, 983.
—Mazda lamps, Prices reduced, 637.
—Metal markets, Trend, 597, 637, 677, 723,
761, 800, 847, 889, 934, 984, 1024, 1069,
1124, 1106.
—Migrations and business cycles, *402.
—Outlook for 1927, Statistics, *47; Comments on, 67.
—Resals price enforcement defeated, 557.
—Rubber Exchange ruling, 103.
—St. Louis Car Co. steel erecting shop, *1165.
—Sales below cost to be investigated, 983,
—Simplified practices, Book on, 474; Comments on, 443.
—Steel castings, 762.
—Transformer prices reduced, 1022.
—Westinghouse and subsidiaries merge, 103.
—Westinghouse orders, 230.
Market Street Ry, (see San Francisco, Cal.);
Maryland, State of;
—Public Service Commission seeks to increase powers, 141.
Massachusetts, State of;
—Motor vehicle law upheld in test case, 95.
Memphis, Tenn.:
—Memphis, Street Ry.;
Christmas gifts to employees, 91.
Reconstructed cars, Details, *454.
Stripes on drop platforms prevent accidents, 744.
Menomines & Marinette Light & Traction Co. (see Marinette, Wis.);
Merchandising transportation:
—Interurban stations affect, Comments on, 481.
—Modernization sells service [Gordon], 1087.
—Newark, N. J., Route numbers on cars, 491.
—Richmond, Va., Campaign, *140.
—Rome, Italy, Methods [Biaka], *935.
—Saginaw, Mich., Campaign, *230.

Mexican Tramways;
—Mexican Tramways;
—Mexica

— Sagnaw, Arthur Mexico:

—Mexico: —Mexican Ry, electrification progress, 440.

—Mexican Tramways:

Interurban extensions planned, 1022.

Interurban extensions planned, 1022.

Miami, Fla.;
—Jitneys eliminated by ordinance, 143, 183,
Details, 1014.
—Miami Beach Ry.;
Bus agreement, 1115.

Midwest Electric Railway Association:
—Annual meeting, Report, *1101.
—Meeting, Report, 90.
—Sectional meetings, Value of, Comments on,

151. -Service improvement discussed, 135.

—Service improvement discussed, 135.

Milwaukee, Wis.:

—Milwaukee Electric Railway & Light Co.:

Annual report, 358.

Budget for 1927, 363.
Car building program, 800.
Crossing accidents reduced, 1046.
Improvement plans for 1927, 315.
Interurban cut-off construction, 219, 557;
Details, *1985.

New cars installed, Design, Details, *327.
Safety crusade, 880.
Service improvements, 1109.
Substation equipment ordered, 846.
Terminal in Watertown planned, 468.
Track extension and reconstruction plans, 558.

Wage agreement, 92, 282.

Wage agreement, 92, 262. Safety first booklet for children, 307.

Taxicab purchase, on the control of the control of

Missnuri:
—Liberty-Kansas City railway project, 393,
431.
—Rapid transit enabling act killed, 668, 750.

Missouri Pacific R.R.:

—Highway assessment reduced by court. 751
Moffat tunnel, First section completed, *430.

Moffat tunnel, First section completed, *430.

Montreal Tramwaya:

—Montreal Tramwaya:

Annual report, 977; Comments on, 938.

Automatic rectifier substation installed.

*786; Comments on, 764.

Car order, 403.

Emergency service motorized, 606.

Rolling stock program for 1927, 303.

Salvaging seat pedeatals [Lindsay], *1005.
Sand-spreading truck for bus routes [Lindsay], *688.

Montreaf, Can:

-Montreaf Tramways (Continued):
Suburban station installed, Details, *944.
Triplex car studied, 478.
Morris County Traction Co. (see Morristown, N. J.):
Morristown, N. J.:
-Morris County Traction Co.:
Bus substitution plans, Details, 356; 628;
Comments on, 319.
Foreclosure sale, 631, 840, 1063.

Motor Bus, Design:
-buffalu, N. Y., De Luxe buses, *1155.
-Bus drives, Comparison, 301.
-Improved chassis (Six-Wheel), *960.
-Lexington, Ky., Equipment [Plimpton], *234.
-Newark, N. J., 402; Details, *477.
-Oakland, Cal., Details [Harris], *607.
-Oil-electric bus developed by P.R.T., 669.
-Philadelphia, Pa., Order, Specifications, 678.
-Reo chassis, New, 888.
-Rome, Italy [Blake], *935.
-San Francisco Municipal Ry., *1135.
-Studebaker chassis design, *578.
-Timken-Detroit bus on tour, Design, *077.
-Twin-drive bus developed by Fageol, Details, *381.
Motor bus, Field for:
-Automotive Engineers discuss 350.

*381.

Motor bus, Field for:

—Automotive Engineers discuss, 350.

—De luxe suburban service, Comments on, 365.

—Experience shows use for [Brosseau], 1149.

—Grsham articles commended [Sawyer], c574; [Shoup], c821.

—Interurban service, Details [Graham], *413; Comments on, 406.

—Mass transportation, Use in [Richardson], 1Schorn], c171.

—Place in urban transportation, Details [Graham], *371.

Motor bus, Gas-electric;

Graham], *371.

Motor bus, Gas-electric:
—Albany, N. Y., Operating details, *279.
—Detroit, Mich., Design, *188.

Motor bus, Installation;
—Annapolis, Md.—Washington, D. C., 308.
—Bellingham-Mt. Vernon, Wash., 356.
—Chicago Surface Lines, 1114.
—Grand Rapids—Grand Haven, Mich., 1114.
—High Point, N. C., 552, 928.
—Hudson, N. Y., 308.
—Hildson, N. Y., 308.
—Millord, Conn., 222.
—Railway orders, 1926, Statistics, *33; Comments on, 3.
—Shawnee, Okla., 143.
—Southern Pacific Ry., 790.

Motor bus, Jitney competition:
—Columbia, S. C., 711.
—Louisville, Ky., Ordinance planned, 928.
—Mismi, Fla., Elimination suggested, Details, 143, 183, 1014.

Motor bus, Practice:

Columbia, S. C. 711.

Louisville, Ky. Ordinance planned, 928.

Miami, Fla., Elimination suggested, Details, 143, 183, 1014.

Motor bus, Practice:

Albany, N. Y., Operating methods, *279.

California Railroad Commission report, Details [McCabe], *868.

Chattanooga, Tenn., Maintenance practice [Reed], *515.

Cincinnati, Ohio, Operating plan, 470; Comments on, 445.

Combination riveting and brake lining machine (Manley), 1100.

Commercial car service magazine, 888.

Davenport, Iowa, Operating details, 182.

De luxe suburban service, Comments on, 365.

Equipment for bus maintenance shown at Automobile Show, *212.

Hinged gasket boards save space [O'Brien], *1096.

Lexington, Ky., Coordinated bus operation, Details [Plimpton], *234.

Magnets clear roads of naile, *626.

Maintenance methods [McDonaid], *545.

Melbourne, Australia, Operating results, 858.

Montraal, Sand truck for bus routes [Lindsay], *688.

Newark, N. J., Bus operation changes, Details, *1039,

Oakland, Cal., Coordinated operation, Details (Harris], *607.

Operation by electric railways, 1926, Statistics, *33; Comments on, 3.

Paris, France, Bus schedules, Details [Mariaga], *157; Comments on, 152.

Pittsburgh, Pa., De luxe bus operation [Noonan], *298.

Regrinding brake drums [Copley], *1095.

Repair equipment for:

Air compressor equipment (U. S. Air Compressor), *707.

Auto washer (Manley), *544.

Car washing system (Curtis), *543.

Truck ambulance (Weaver), *544.

Truck ambulance (Weaver), *543.

Truck ambulance (Weaver), *544.

Universal motor atand (Manley), *543.

Truck ambulance (Weaver), *544.

Washing machins (U. S. Air Compressor), *544.

Windshields kept free from frost, Springfield, Ohio, *1145.

Woodshields kept

1106.

Connecticut, Interatate bus tax. 356.

I.C.C. bus regulation report, 1114.

Kentucky, Bus bill planned, Details, 59.

Lansing, Mich., 710.

Massachusetts law upheld in test case, 95.

Missourl, Bus bill, 143, 552, 669, 839.

Nebraska, Intertown buses, 975, 1115.

New York City, Bus fare bill introduced, 308.

Motor bus regulation (Continued):

—New York Mayors Conference discuss, n13.

—Ohio, Supreme Court ruling on, 469.
—Penasylvania, Interstate service rulins, 469.
—Philadelphia, Pa., Interstate bus taxes upheld, 790.
—Principles of [Brosseau], 1149.
—State laws upheld by U. S. Supreme Court, 143.
—Toledo, Ohio, Ordinace, 395.
—Wisconsin, Commission controls, 881.

Motors: Wisconsin, Commission controls, 881.

Motors:
Berlin, Germany, Motor equipment on cars.
Details [Pforr], *243.
British car motors for quiet operation, *817.
Commutator assembling, Details [Zimmerman], *117, *923; Comments on, 317.
Commutator maintenance, Preventing flashovers [Zimmerman], *489.
Commutator turning and slotting, Details [Zimmerman], *694.
Commutator V-bands, Protection for [Dean], 1006. Commutator V-bands, Protection for [Dean], 1006.

Field coil winding diagrams, *703.
Installation of motor fields, *131.
Jollet, Ill., Mounting on worm-drive truck, *802; Comments on, 599.
Maintaining gear-center distances [Pontius], *899, *1080; Comments on, 1071.

Momentary stresses, Details [Aspinwall], *951.
Reclaiming motor heads, *523.
Reconditioning old motors, Los Angeles, Cal., *614.
Repair department for, B.-M. T., *503.

Repair equipment for;
Commutator grooving machine [G. E.], *534.
Field tester, *533.
Forcing press (Lourie), *534.
Mica undercutter (Hullhoost), *533.
Pinion puller (G. E.), *533.
Slot cleaning outhit (Martindale), *533.

Replacing commutator bars [Zimmerman], 698.
Rheostats installed on car roofs, Jamestown, N. Y *424. -Replacing commutator bars [Zimmerman], c698.

-Rheostats Installed on car roofs, Jamestown, N. Y. *424.

-Rotating frame facilitates repairs, *522.
-Sleeves for cable leads [Dean], *660.

Municipal ownership:
-Chicago, Ill., Plans for, 586.
-Coral Gables, Fla., Railway sold to city, 631.
-Experiences in, Results [Storrs], 828.
-Illinois Utilities Association discuss, 579.
-Jacksonville, Fla., Property offered to city, 201.
-Los Angeles, Cal., Traction expert recommends, 877; Comments on, 871.

Municipal Railway of San Francisco (see San Francisco, Cal.):
Mystic, Conn.:
-Groton & Stoningion Traction Co.;
Reorganization, 265.

Tract on courtesy issued, 789; Comments On, 763.

National Automobile Chamber of Commerce:
—World Motor Transport Congress meeting, Report, 176.

National Safety Council:
—Advantages of membership, Comments on, 930.
—1928 calendar announced, 666.
—New members, 1060.

Newark, N. J.: -- 1928 calendar announced, 600.

Newark, N. J.:

-- Parking banned in rush hours, 92.

-- Public Service Corporation:

Annual report, 1016.

Budget for 1927, 307.

-- Public Service Ry.:

Bucket seats popular, Design, *170.

Coordinated service increases revenue.

Details, *1039.

Fare controversy, 91, 394, 624.

Morris Canal bed operation plans, 713, 974.

New uniforms for employees, *1153.

Personnel changes, *100, 721.

Route numbers on cars, 491.

-- Public Service Transportation Co.:

Buses ordered, Design, Details, 402, *477.

Bus shops proposed, 630.

De luxe service to Hackensack, 396.

New uniforms for employees, *1153.

Personnel changes, *594.

New Bedford, Mass.: ew Bedford, Mass.:

-Union Street Ry.:

Car rebuilt to resemble bus, *1138.

Fars increase, 587.

Forms printed on used register cards, 383.

No-parking areas opposite track curves

*282. No-parking sreas opposite track curves, *282.

New Brighton, Pa.:

—Beaver Valley Traction Co.:

Improvement program, 715.

One-man cars ordered, 1164.

Pamphlet distributed on "low cost riding," 1164.

"Thank you" bulletin, 626.

Twenty-five-year employees honored, *465.

New Brunswick Power Co. (see St. John. N. B.):

New England Street Railway Club:

—Annual meeting, Report, 622.

—Bus drives compared, 301.

—Radio interference discussed, 920.

New Haven. Com.:

—Connecticut Co.:

Booklet tells railway facts, *1043.

Haven, Conn.:
ounecticut Co. (Continued):
Building improvements in Waterbury,
Details, *448.
Car washing by pressure shower bath
method, *980.
Chart shows progress of paint shop work,
*781 New Haven, Conn .: "781.

Guilford-New Haven bus service resumed, 396.

Lineman rescued by fellow worker, 466.

Mercury-arc rectifier order, 189.

Motorman's stool chained to platform, 1084.

Motor repairs, Rotsting frame for, *522.

Roll signs spray painted, *825.

Tax suit decision, 714.

Track reconstruction methods [Johnston].

*691.

Wage negotiations, 1154. Wage negotiations, 1154.

New Jersey, State of:

—Paving relief bill, 305, 549, 586; Comments on, 599. on, 599.

New Orleans, La.:

—New Orleans Public Service, Inc.:

Accidents reduced, 4-yr. record, 586.
Car overhauling practice [Naquin], 256;
Comments on, 319.
First aid packet exhibit, *1040.

Hinged gasket boards save space [O'Brien].
*1096.

Tool and truck maintenance parts board [O'Brien], *913.

Newport News & Hampton Railway, Gas & Electric Co. (see Hampton, Vs.):

New York City:
—Brooklyn City R.R.:

Accident prevention bonus system [Hodges], 215.
Dividend omitted, 225, 840; Details, 882. Accident prevention bonus system [Hodges].

215.

Nividend omitted, 225, 840; Details, 882.

Laundry drier for wet uniforms, *956.

Brooklyn elevated removal deferred, 923.

Brooklyn-shanhattan Transit Corp.:

Adjustable tool for inaccessible faces, *1146.

Armature testing, Details, *130.

Brooklyn property owners demand trolley service, 751.

Copper sleeve installation, *173.

Duplex hollow mill, Details, *1047.

Glimpses into new repair shop, *503.

Jumper fuse location, 87.

Magnet winding machine, *524.

Personnel changes, 1120.

Refunding bond issue sought, 882.

Repair shop methods and tools, Details, *108; Commetts on, 105.

Shaplog copper sleeves, Device for, *212.

Syndicate takes bonds, 753.

Tool holder for laths, *959.

Triplex cars, Equipping begun, 404.

Wage increase, Details, 836.

Brooklyn subway proposed, 626.

Bus franchise negotiations, 58, 148, 183, 222, 308, 395, 928, 1062; Comments on, 405.

Bus orders proposed, 66. -Bus franchise negotiations, 58, 148, 183, 222, 308, 395, 928, 1062; Comments on, 405.

-Bus orders proposed, 66.

-Conference on steel cars called, 557.

-Eighth and Ninth Avenues Ry.:
Railways consolidate, 60.
Receiver appointed, 841.

-Electrification plans, 972.

-Fifth Avenue Coach Co.:
Personnel changes, 64.
Profit-sharing plan for employees, 629.
Steam bus tested, 357.

-Interborough Rapid Transit Co.:
Commutator slotting machine, *172.
Dust-absorbing cabinet for armatures, *869.
Hydraulic pinion puller, Home made, *131.
New subway station opened, 714.
Refuse containers made from grease drums, *293.

Sling for moving armatures in shop, *251. New subway station opened, 714.
Refuse containers made from grease drums, *293.
Sling for moving armatures in shop. *251.
Truck for handling car axles, *526.
Wages increased, 625.

Long Island R.R.:
Double-track line opened, 104.
New locomotives delivered, Details, *148.
Steel cars ordered, 315.

Manhaitan & Queens Traction Corp.:
Relocating tracks under way, 761.
Nassau Street subway construction, 1012.
New York Railways:
Fibre washers on resistors, *521.
Personnel changes, 64.
New York, Westchester & Boston Ry.:
Bus expansion plans, 1014.
New York, Westchester & Boston Ry.:
Bus expansion plans, 1014.
Railroad and ferry passeogers in 1926, 780.
Stateu Island transit situation [Relf-scholder], c459.
Steel car committee formed, 722.
Subway building filmed, 411.
Subway construction contracts, 1157.
Subway fore, *783.
Subway fine, *783.
Subway fine, *783.
Subway measure passed by legislature, 584; Comments on, 233.
Subway tunnel contract let, 551.
Housing type bearings for axles, *894; Comments on, 1071.
Subways, Recapture discussed, 1111, 1152. Comments on, 1071.

Subways, Recapture discussed, 1111, 1152.

Third Avenue Ry.;
Accident prevention work [Segard], 216.
Bus substitution in Tarrytown discussed, 716.
Car cleaning, Details [McWhirter], *482.

Berkshire Street Ry. bonds purchased, 1062.

Traffic congestion [Langan], c86.

Traffic lane capacity, 237.

Traction problems, Negotiations, 179, 878, 971; Comments on, 3.

Warning signs to motorists, Brooklyn, *429.

New York Electric Railway Association:

—Annual meeting, Running report, 214.

—Midwinter meeting, Program, 136.
New York, New Haven & Hartford R.R.:

—Acquisition of Springfield and Worcesier,
Mass., railways, Progress, 145, 225, 359,
553. -Berkshire Street Ry. bonds purchased, 1062.

1118.

-Bus substitutions sought in Westchester, 629.

-Daobury-Hartford bus permit revoked, 433.

New York Railways (see New York City).

New York, State of:

-Mayors conference discuss transportation problem, 1113.

-Public Service Commission reorganization progress, 305.

-Railway tax situation discussed by Nr. Merrill, 200; Comments on, 233.

-Traffic signal standardization recommended.

Details, *940; Comments on, 938.

-Transit bills introduced, 354, 666.

-Utility taxation methods [Seligman], 199.

New York State Rys. (see Rochester, N. Y.).

New York State Rys. (see Rochester, N. Y.).

New York City).

Noise reduction:

-British car designed for quiet operation, Details, *817.

-Car glass set in rubber tubing [Ilarris], *1095.

-Proper maintenance aids, Comments on, 479.

-Worn-drive car tests for noise, Springfield, Mass., *859.

-Worn-drive truck, Joliet, Ill., Details, *602; Comments on, 599.

Norfolk, Va.:

-Norfolk Railway & Light Co.:

-Purchase by Richmond company arranged, 435.

North Carolina Public Service Co. (see Greensboro, N. C.).

North Jersey Transit Commission:

-Interstate rapid transit loop, Report, Details, *333.

-Tunnel extension advantages urged, 1012.

Northern Ohio Power Co. (see Canton, Ohio). Berkshire Street Ry. bonds purchased, 1062. *333.
Northern Ohio Power Co. (see Canton, Ohio).
Northern Ohio Power & Light Co. (see Akron, Ohio).
Northern Texas Traction Co. (see Fort Worth, Texas).

O

Power take-off for portable track tools.

*523.

Safety signal improvement, 983.
Valuation survey to be made, 353.

—Railway issue in mayoralty election, 714.
Oak Park, Ill.;
—Chicago & West Towns Ry.;
Iucome since 1920. Details, 472.
Ogden, Utah:
—Utah-Idaho Central R.R.;
Bus certificate granted, 1062.
Ohio, State of:
—Electric railway improvement plans, 440.
Ohio Valley Electric Ry. (see Huntington, W. Va.).
Oil industry explained, Comments on, 1125.
Oklahoma City. Okla.;
—Oklahoma Railway:
Anniversary celebration, 421.
Finandal report, 224.
Receivership may end soon, 266.
Omaha, Lincoln & Beatrice Ry. (see Lincoln, Neb.).
Omaha, Neb.;

Omaha, Neb.;

Omaha & Council Bluffs Street Ry.;

Bond extension, 1117,

Franchise negotiations, 56, 428, 468, 750, 1060, 1154,

Trackwork planned for 1927, 363.

Trackwork planned for 1927, 363.

Operating records and cosis:

-Fitchburg, Mass., Analysis of [Baker]. *738.

-Glasgow, Scotland, Single-deck car revenue, *566.

-Harrisburg, Pa., Maintenance costs reduced, *329.

-Holland, Railway, trackless trolley and bus costs compared. *612.

-Locomotive's service record, Canadian National Rys., 606.

-Maintenance-cost reduction, Comments on, 480.

al Rys., 606.

- Maintenance-cost reduction. Comments on, 480.

- San Francisco, Cal., Bus line operations, *1135.

- Simplification as a means of reducing costs, Comments on, 1072.

- Steel and aluminum car data, Comparison, *655: Comments on, 639.

- Youngstown, Ohio, Bus and railway operation compared [Graham], *371.

Ottawa, Ont., Can.:

- Ottawa Electric Ry.:

- Annual report, 670.

- Gray line Association invites membership, 182.

Sightseeing service begun, 839.

Overhead contact system:

- Alloy trolley wires [Neild], 1052, 1107.

- Chicago, Ill., Construction and maintenance methods [Smith], *511, *682.

- Cradle for lifting poles, *1148.

- Double caienary suspension. Oakland, Cal., *344.

Overhead contact system (Continued):

—Dynamometers regulate trolley wire tension,
488.

488.

—Inspection method, Cleveland, Ohio [Scott], *896.

—Insulator improvements, Canadian National Rys., 606.

—Maintenance methods, Ill. Traction, *379.
—Oakland, Cal., Pantograph contactor on joint track, *1037.

—Pole setting methods, Cleveland, Ohio, *958.

—Trolley frog (Westinghouse), *1148.

P

Pacific Electric Ry. (see Los Angeles, Cal.).
Pacific Gas & Electric Co. (see Sacramento, Cal.).
Pacific Northwest Traction Co. (see Sesttle, Wash.).
Painting:
Buffalo, N. Y., Cars repainted, 908.
Car painting. Baltimore, Md., Methods (Clark), 498.
Car painting in Berlin, 528.
Car roofs, Southern properties, 693.
Kansas City, Mo., Repainting cars, Methods [Neal], *689.
Lyachburg, Va., Lamp stands used in paint shop, *527.
New Haveo, Conn., Chart shows progress of work, *781.
Nitrocellulose laquer development, Comments on, 891.
Paint seals joints (G. E.), 616.
Psint shop for trolleys and buses, Lexington, Ky. [Plimpton], *234.
Paint spraying gun (Alexander Milburn), *915.
Repainting cars, Comments on, 481.
Spray:
Akron, Ohio, Methods [See], *1041.

*915.

Repainting cars, Comments on, 481.

Spray:

Akron. Ohio, Methods (See], *1041.
Car painting exhaust system, *173.
Roll signs. New Haven, Conn. *825.
Equipment for (U. S. Air), *529.
Paris, France (see France).
Parking of cars:

—Chicago, Counsel opinion on, 666.
—Chicago, Ill., Traffic survey report, *70;
Comments on, 69, 107.
—Curbstone parking, Survey of 17 citles, 124.
—Department store men warned against, 1153.
—Elimination benefits majority [Miller], 256.
—Grand Rapids, Mich., Downtown parking.
Elimination suggested, 776.
—Illshwood, Ill., Railway furnishes free parking space, 430.
—Narrow car line streets, Parking on [Traiser], *1128.
—New Bedford, Mass., No-parking opposite track curves, *282.
—Philadelphia, Pa., Parking ordinance, 03, 179, 352, 624; Comments on, 153, 559, 560, 804.
—Newark, N. J., Parking banned in rush hours,

352, 624; Comments on, 153, 559, 560, 804. -Newark, N. J., Parking banned in rush hours, 92.

- Newark, N. J., Parking banned in ruan hours, 92.
Pavements:

- Cement, Quick-setting, France, Details, *386.

- Chicago, Ill., Paving case decision favors city, 142.

- Damage caused by trucks, Comments on, 891.

- Discussed by New York Mayors, 1113.

- Erie, Pa., Paving methods, *331.

- New Haven, Conn., Details [Johnston], *691.

- Paving brick. Adopted and eliminated varitics, 888, *1164.

Pennsylvania Railroad:

- Newark, N. J., Improvement plans, 971.

- Power plant construction plans, 353.

- Suburban electrification at Philadelphia, 925.

- Switching coupment order, 1163.

Pennsylvania-Ohio Electric Co. (see Youngstown, Ohio).

Pennsylvania, State of:

Switching equipment order, 1163.
Pennsylvania, Ohio Electric Co. (see Youngstown, Ohio).
Pennsylvania, State of:
Bus bill signed, 791.
Daix traction law, 882.
Gas bill signed, 881.
Interstate bus service ruling, 469.
Philadelphia, Pa.:
Fairmount Park Transit Co.:
Capital structure changes planned, 266.
Interstate bus tax upheld, 790.
Ordinances authorizes track changes and bus franchise, 585.
Parking ordinance, 93, 179, 352, 624; Comments on, 153, 559, 500, 894.
Philadelphia Rapid Transit Co.:
Accident reduction campaign, *626.
Air mail contract revoked, 432.
Bridge bus toils increased, 975.
Bus order, 270, Details, 678.
Bus exhibit at home-building show, *650.
Committee personnel changes, 548.
Employee ownership statement, 01.
Enabling legislation, 584, 665.
Equipment trust certificates issued, 265.
Financial report, 590, 930.
Frankford lease controversy, 304, 713.
House organ for employees, 466.
Inspection methods [Stier], c339.
Musicial comedy presented by employees, 1059.
New offices, Details, 668, 1913, 1112.
Removing broken cap screws [Gilbert], *911.
Safety campaign, Details, *800; Comments on, 803.
Service survey started, 178.
Service survey started, 178.
Service to Camden planned, 751.
Transportation evolution exhibit, *1079.
Philadelphia Rural Transit Co.:
Oil-electric bus developed, 669.
Subway car construction, Progress, 557.
Subway signal contract, 1123.
Traffic survey, Report, 93, 584, 749.

Phoenix, Ariz.;

—Phoenix Street Ry.:

Bond issue approved by voters, 352, 550, 837.

Piedmont & Northern Ry. (see Charlotte, N. C.).

Pittsburgh, Pa.;

—Pittsburgh Railways:

Automatic car washing, Details, *451.

Babbitt department equipment, *491.

Department store ad features service, *354.

Fare decrease on short line, 93.

De luxe bus operation, Details [Noonan], *298.

Development of miscellaneous revenus [Boyce], 1055; Comments on, 1073, Elephacts hailed downtown, *1112.

Former employees entertained, *306, Popularizing service, Methods [Donley], 175.

Publicity week, Details, *194. Comments

Popularizing service, Methods [Donley], 175.

Publicity week, Details, *194; Comments un, 191,

Red cross drive, *925.
Track construction and maintenance methods [Williams], *495.

Wage increase commented on by newspaper, 141.

Woman gives service suggestions, 220.

—West Penn Rys.:
Annual report, 632.
De luxs car for limited service, Design, Details, *1036.

Terminal improvements, Details, *1001.

tails, *1036.
Terminal improvements, Details, *1001.
Pittsfield, Mass.:
—Berkshire Street Ry.:
Ronds extended, 1062, 1118.
New cars installed, Specifications, *722.
Pleasantville, N. J.:
—Atlantic & Suburban Ry.:
Old rattan seats stained, 577.
Poles:
—Preservative treatment [Boehne], *1103.
Portland, Me.:
—Cumberland County Power & Light Co.:
Doily truck for crippled cars [Chiles], *914.
Repairing steel side sheets of cars [Chiles], *1093.
Portland, Ore.:
—Portland Electric Power Co.:
Department store gives free rides, 878.
Porto Rico,:
—Porto Rico Railway, Light & Power Co.:
Cars ordered, Specifications, *761.
Financing of purchase arranged, 435.
Wheel fenders protect trucks, *322.
Portsmouth, Ohio:
—Portsmouth Public Service Co.:

Portsmouth Ohio:
—Portsmouth Public Service Co.:
Co-ordinated car and bus service, Details, *1133.

Poughkeepsie, N. Y.:

—Poughkeepsic & Wappinger falls Ry.:

No-accident contest, 922,

No-accident contest, 922.

Power distribution:

--Economics of [Westman], 1054.

--Maintenance of electrical system, Comments on, 479.

--Montreal, Can., Details, *766; Comments on, 764.

--Recording instruments, 134.

Supervisors control system. Chicago, Surface, Supervisors

Chicago Surface -Supervisory control system, Cl Lines, Details [Noah]. *863.

Power generation:

—Detroit United equipment sold, 311.

—Fitchburg, Mass., Rotary converters installed [Baker], *738.

Power transmission:

—Bow collector, Automstic reversing, Toronto.

Can., *421,
Prescott, Dick, *132, *342, *702, *917, *1100.

Prescott, Dick, *132, *342, *702, *917. *1100.
Providence, R. I.:
—Subway plan suggested, 304.
—Transit board proposed, Details, 1012.
—United Electric Rys.:
Metcalf trophy contest entered, 880.
Personnel changes, 885.
Radio interference analyzed [Thompson], 967; Comments on, 985.
Rolling stock improvement. Details [Dickson], *988.
Truck breakage reduced [Clarkson], *1091.
Psychological tests for workera urged by Dr. Gilbreth, 505.
Publicity:

Publicity:
—Allentown, Pa., Bus schedule cards distributed, 028.
—Attanta, Ga., Campaign, Details, *1032.
—Boston, Mass., Railway guide book issued.
—165.

Attanta, Ca., Campaign, Details, '1052.
Boston, Mass., Railway guide book issued.
*165.
Cincinnati, Ohio, New cars celebrated, 1151; Comments on, 1127.
Davenport, Iowa, Radio talk on service, 453.
El Paso, Texas, Publicity program, Details [Musel, *163; Comments on, 192.
Fort Wayne, Ind., Plant exhibited to the public *365.
Grand Rapids, Mich., Campaign for paving referendum, 627.
Indianapolis, Ind., Dining car menu praised by newspaper, 457.
New Brighton, Pa., "Low cosi riding" pamphlet, 1154.
New Haven, Coom., Booklet gives railway facts, *1043.
Newspaper comment valuable to railways.
Comments on, 560.
New York City subway building filmed, 411.
P. R. R., Modern equipment described in pamphlet, 238.
Philadelphia, Pa., Bus exhibit: Home-building show, *650.
Safety campaign publicity, *806; Comments on, 803.
Pittsburgh, Pa., "Rids the trolley week," Details, *194; Comments on, 191.
Pittsburgh Ry, service featured in store ad, *354.
INSTRUCTIONS AT THE BEGINNING OF

Publicity (Continued):

—St. Louis, Mo., Pamphlet tells operating datails, 171.

—San Antonio, Texas, Alarm clocks show bus schedules, *1144.

—Williamsport, Pa., New buildings inspected by public, 429.

Public, Relations with:

—Aid to motorist fosters, Comments on, 727.

—Buenos Alres, Comments on, 367.

—Buffalo, N. Y., Art poster contest for students, 586.

—Car appearance affects (McAloney), c459.

—Car cleanliness affects [Potter], c289.

—Chicago, Ill., Service during holldays, *10.

—Cincinnati, Ohio, Social agencies get free ads in cars, 660.

—Claim department's attitude affects, Comments

Cincinnati, Ohio, Social agencies get free ads in cars, 666.

Claim department's attitude affects, Comments on, 690.

Cleval, Dright curs affect [McMahon], c575.

Cleveland, Ohio, "Dress-up Day" for employees, *820,

Commercial department would improve [Graham], 125; Comments on, 192.

Comments on 192.

Community interests needed to help transportation, 138.

Community welfars demands transit improvement [Sawyer], 830.

Contest for railway emblem, Cincinnati, Ohio, 56.

Courtesy of employees, Comments on, 274, 367.

Dallas, Texas, Customer ownership, 266; Results [Meriwether], *777.

Detroit, Mich., Identification numbers for employees, 929.

Denver, Colo., Prizes offered for slogans, 393.

Employee training affects, [Sarrel, 831.

Gary, Ind., Customer-ownership campaigo, 357.

Good equipment improves [Holtzclaw], 833.

- Employee training affects, [Sarre], 831.

- Gary, Ind., Customer-ownership campaigo, 357.

- Good equipment improves [Holtzclaw], 833.

- Grand Rapids, Mich., New Year's car receives favorsble comment, *180.

- Levis, Que., Holiday gifts to patrons, 141.

- Local transit problems better understood by public [Stores], 828.

- Maintaining rights, Comments on, 987.

- Modern cars improve [Chiles1, [Bheber], [Hearn], c2429; [Colly), c289; Comments on, 231.

- Modern rolling stock attracts patrons [Potter], c423.

- Mashville, Tenn., Booklet issued, 789; Comments on, 763.

- Nashville, Tenn., Service during flood, *651.

- New Brighton, Pa., "Thank you" bulletto, 620.

- Passenger's claims [Boyce], 1055; Comments

-Passenger's claims [Boyce], 1055; Comments on, 1073.

on, 1073.

Personnel contact. Comments on, 400.

Pittsburgh, Pa.:

Business men aid publicity campaign, *194:
Comments on, 191.
Service popularized [Donley], 175.
Store ad featurea railway service, *354.
Woman advises ways to improve, 220.

Politician cooperation, Comments on, 805.

Portland, Ore., Department store gives free rides, 878.

Saginaw, Mich., Publicity campaign improves, *239.

Seattle, Wash., Clubs aid in traffic stimulation, 355.

Speedy and attractive cars improve [Mycrs], c289.

Spokane, Wash., Business institutions pay customers' fares, 431.

c289.

—Spokane, Wash., Business institutions pay customers' fares, 431.

—Standing passengers, Comments on, 274.

—Tacoma, Wash., Citizens interviewed on service, 392.

—Talking trainmen can harm, Comments on, 233.

- Tacoma, Wash., Citizens interviewed on service, 302.

- Talking traiomen can harm, Comments on, 233.

- Wheeling, W. Va., Merchants purchased railway service on Community Day, 56.

- Winnipeg, Can., Customer-ownership campaign, 97.

Public service and regulative commissions;

- California R.R., Commission reorganizes, 186.

- California R.R., Comments on, 939.

- Interstate Commerce Commission;

- Bus regulation report, 1114.

- Depreciation case, 264, 331, 883; Comments on, 892.

- Decision on inspection and testing electric locomotives, 581.

- Ruling on St. Louis & O'Fallon R.R. valuation case, Comments on, 640.

- Truck competition hearings, 580,

- Indiana Commission personnel, 886,

- Maryland Commission personnel, 886,

- Maryland Commission would increase powers, 141.

- Minneapolis railway regulatory law, Repeal threatened, 430,

- New York Commission not bound by franchises, 141.

- New York Commission reorganization progress, 305.

- Ohio Commission personnel, 885.

- Public Service Corporation (see Newark, N. J.)

Public Service Transportation Co. (see Newark, N. J.)

R

Radio:
Davenport, Iowa. Transport problems broadcast. 453.
Fort Worth. Tex., Used as advertising medium, 242.
Nashville, Tenn., Safety and courtesy broadcasting, 1154.
Railway broadcasting limitations suggested, 1012.

Radio (Continued):

—Bednction of interference, Concord, Mass.

[Crawford], 969.
—Causes of interference analyzed [Thompson],
967; Comments on, 985.
—Sources of interference [Bickford], 968.
Rail joints and bonds:
—Base plate joint developed, Boston, Mass.

[Walker], *773.
—Joints welded with small plates, *133.
Rails: - Joints wenter which the state of abrasion and compression, Details [Fremont], *283.

-- Corrugation study made in Europe [Ewing], 281.

281.

Atlantic City, N. J. -Tes rail construction, Atlantic City, N. J. [Aahbridge], *1074. Railways:

—Brady safety award continued, 587.

—Community upbuilding of interest to [Saw-yer], 276.

—Developments in 1926, 5; Comments on, 2.

—Future planning, Comments on, 804.

—Hysteresia of railways, Comments on, 273.

—Manufacturer and operator have common interest in [Sawyer], *123; Comments on, 151. -Manutassa.

terest in [Sawyer].

151.
-Modernization pays [Sawyer]. 276.
-Newspaper comment valuable to, Comments.

T.R.A. report. 792: —Modernization pays [Sawyer], 276.
—Modernization pays [Sawyer], 276.
—Newspaper comment valuable to, Comments on, 560.
—Operations in 1926, A.E.R.A. report, 792:
Comments on, 764.
—Progress and needs outlined [Storrs], *449;
Comments on, 445.
—Review of events, 1926 [MacMurray], *13;
Comments on, 105.
—Traffic congestion can be reduced by [Traiser], *1128.
—Trust company calls railways major method of transportation, 586,
—Year's progress, Comments on, 1.
Rapid transit:
—Chicago subway plans, Details, *154; 429;
Comments on, 152.
—Detroit, Mich., Report on, 91, 587.
—German rapid transit railway, Construction progress [Cauer], *1131.
—New Jersey-New York transit loop, Report, *333.
—New York City, Subway construction contract. -New 333 -New Jersey-New York transit loop, Report,
*333.

-New York City, Snbway construction contract,
1158.

-New York City subway measure 429, 584.
-Providence, R. I., Subway pian, 304.
-St. Louis, Mo., Enabling act killed, 668,
Reading, Pa.;
-Reading Transit Co.;
Rags and waste reclaimed for shop use,
*172.

Wood bending, *704.
Repair shop equipment, New;
-Air compressor, Belt-driven (Sullivan), *917.
-Armature baking oven (Westinghouse), *534.
-Armature testing set, *1098.
-Armature testing set, *1098.
-Armature testing equipment (Westinghouse),
*534.
-Armature testing equipment (Westinghouse). -Armature testing equipment (Westinghouse). -Armature testing equipment (Westinghouse).

*708.

Armor plate universal iron workers (Buffalo Forgs), *538.

-Auto arc (Westinghouse), *530.

-Axle lathe (Putnam), *532; (Niles), *1098.

-Babbitt melting pot (G.E.), *535.

-Banding, alotting and turning machine (Lee Conrtenay), *535.

-Band saw (Oliver), *540.

-Band saw filing and setting machine (Wardwell), *538.

-Blower, Silent (Buffalo Forge), *708.

-Blower, Silent (Buffalo Forge), *708.

-Boring and turning machine (Gisholt), *537; (Niles), *1099.

-Boring mill, Side-head (Niles), *531.

-Brush-holder mechanism (Westinghouse), *1100.

-Car hoists, Portable (Whiting), *530. Car hoists, Portable (Whiting), *530, -Chisel mortiser (Oliver), *539, -Circular relief grinder (Cleveland Tool), *538, -Cold saw entting-off machine (Espen-Lucas), *535. -535.

-Combination grinding and buffing machines (Hisey-Wolf). *828.

-Combination Journal turning and axle lathe [Niles]. *1099.

-Cutting and welding equipment (A. Milburn). *529. "529.

Die sinker and milling machine (Reed-Prentice), *537.

Drill and tapper, Ball bearing (Barnes), *555.

Drill, Electric, Ball bearing, *345.

Drilling machine, Electric (Standard), *709.

Drill press (Barnes), *708.

Electric hoist, Flexible mounting (American), *748. -Drill press (Barnes). *708.

-Blectric hoist. Flexible mounting (American).

*745.

-Engine lathe, Geared heads (Manning). *917.

-Filing and beveling machine for circular saws (Wardwell). *918.

-Forcing press (Manley). *535.

-Grinding machines, Motor driven. *133.

-Hand plane, Electric (Wappat). *540.

-Hand saw, Fortable (Ingersoll-Rand). *618.

-Home-made tools, Comments on. 679.

-Jacka (Oll Jack). *530.

-Jacka (Oll Jack). *530.

-Lathe, 16-inch (Pratt & Whitney). *1098.

-Lathe, 16-inch (Pratt & Whitney). *1098.

-Lathe, Standard cons head (Reed-Prentice). *915.

-Lathe, Standard geared head (Reed-Prentice). *709.

-Willing machine (Artisan). *783.

-Oxysraph (Air Reduction). *916.

-Pattern lathe (Oliver). *539.

-Pedestal grinders (Standard). *536.

-Pipe-bending machine (American). *529.

-Pipe machine (Bignall & Keeler). *530.

Repair shop equipment, New (Continued):

-Pipe-threading and cutting machine (Saunders), *536.

-Pipe wrench (Lawson), *529.

-Planer (Niles), *916.

-Planer, Second-belt drive (Reed-Prentice), *707.

-Power bench drill (Buffalo Forge), *1099.

-Power ring and circular shear (Peck, Stow & Wilcox), *538.

-Power squaring shears (Peck, Stow & Wilcox), *539.

-Power squaring shears (Peck, Stow & Wilcox), *539.

-Punching and shearing machine (Long & Allstatter), *539.

-Rivet Forgs (Buffalo Forge), *539.

-Saw bench (Oliver), *540.

-Saw, Portable chain, 294.

-Siding head drills (Niles), *915.

-Shoe brake for crans and hoist motors, 601.

-Socket wrenches in case (Bonney), *826.

-Test rack for air equipment [Reddersen], *338.

-Torch, Oxy-illuminating gas, *251.

-Turning, wiring and burring machine (Peck, Stow & Wilcox), *538.

-Turret lathe (Gisholt), *538.

-Turret lathe (Gisholt), *538.

-Welder, Gas-engine-driven (G.E.), *616, -Welding electrods (G.E.), 578.

-Wheel boring machine (Putnam), *532, -Wheel boring machine (Putnam), *533, -Wheel boring machine (Putnam), *533, -Wheel press (Niles), (Lourie), *531, -Woodworking machine (Buffalo Forga), *540, -Wenche kit (Bonney), *661, -Wrenches (—Aluminum covering for stanchions [Williams], *615.

—Armatures: Armatures:

Baking-oven asbeatos-incased, *211.

Barto-bar testing, B.-M.T. *130.

Beariog press operation, *615.

B.-M.T., Methods used, Details, *108, Comments on. 105.

Boring bearings after housing installation [Duffy], *1092,
Coil insulation removed by lye, *522.
Cors nuts made from pinion, *706.

Triple baking prolongs life, 1047.

Winding diagram, *704.

Winding stand, Lynchburg, Va.. *460.

Winding truck, Portable, *521.

Bearing flauges reclaimed with cast-fron rings, *519.

Beach, Mass., Shop methods [Bolt], *207 -\$20.

-Salvaging scat pedestals [Lindsay]. *1005.
-Sawing machine, Washington, D. C., *461,
-Steel side sheeta, Repairing [Chiles]. *1093.
-Support for car body, St. John, N. B., *1047.
-Switch groups, Improved wiring for, 386.
-Temporary repairs, Comments on, 680.
-Tool and truck maintenance parts board [O'Brien]. *913.

-Transporting car trucks with broken axles.

*426.
-Trolley base (G. E.). *294. -Trolley base (G. E.). *294.
-Wood bending, Reading, Pa., *704.
Repair ahop practice (Shops and shop equip-Repair shop practice (Shops and snop equipment):

—Armathres:

Dust-absorbing cabinet for, *869.

Handling on munorall system, Los Angeles, *897.

Sing for lifting and carrying, *251.

Truck for handling, *744.

—Axle collar increases life of bearings, *202.

—Babbitting bearings, 659.

—Babbitting, Pittsburgh, Pa., *491.

—Banding wire machine, Details, *384.

—B.-M.T. Methods, Details, *108; Comments on, 105.

—Carpenter shop waste disposal plant, Richmond, Va., *1144.

—Cleaning tank for rars and waste, *172.

—Commutator slotter, Shop-built, *577.

—Commutator slotting machine, *173.

—Copper sleeve installation, *173.

—Copper sleeve installation, *173.

—Copper sleeve installation, *173.

—Copper sleeve installation, *173.

—Commutator slotter on lathe stand, *87.

Repair shop practice (Shop and shop equipment) (Continued):

—Commutators, Methods and equipment for assembling, Details [Zimmentann], *117, *333; Comments on, 317.

—Duplex hollow mill, B.-M.T., Details, *1047.

—Grinding shoe heads, *659, -370.

Tool holder for lathe, *959.

Wheel jack, Motor operated, *38.

Workbenches improve working *293. *384. conditions. *293.

Repair shops and equipment:

—Atlanta, Ga., Creosoting plant [Smith], *455;
Comments on, 444.

B.-M.T., Equipment. Details, *108; Comments on, 105,
B.-M.T., New shop and equipment, Glimpass of, *503.

—Chicago Rapid Transit Co., new shopa, *802.
—Chicago, Ill., Shop construction progress, 502.

—Cincinnati, Ohio, Shop construction begun, 346. 846.

—Labor saving machinery necessary [Rossell].

349. 349.

-Los Angeles, Cal., Bus and truck repair shop, Design. *288.

-Los Angeles Ry., Shops modernized, Details. *1045.

-Pittsburgh, Pa., Car cleaning equipment, Details. *451.

-Poor tools cause accidents, 502.

-Richmond, Va., Carpenter shop waste disposal plant. *1144. Richmond, Va., Carpenter shop waste disposal plant, *1144.

Sand drying plant, Los Angeles, Cal., *211.

Tools for assembling commutators [Zimmerman], *117, *323; Comments on, 317.

Waterbury, Conn., Details, *446.
Reports, Financial (see Financial reports). Richey's conspectua of indexes, 185, 398, 592, 754, 978, 1158.
Richmond, Va.:

—Virginia Electric & Power Co.:

Axle atorage, *525.
Baking oven for armatures, *211.
Car modernization program, 1165.
Carpenter shop waste disposal plant, *1144.
Cars ordered, Details, *801.
Fares increased in Petersburg and Norfolk, 56.
Franchise changed, 431.
Lught bar steel storage, *343.
Lumber handling, Stand for, *703.
Merchandising transportation, Campaign, *140.
Parade of new cars, 596.
Personnel changes, 721.
Polishing bearing surfaces of axles, *526.
Purchase of Norfolk property arranged, 435.
Sand storage bins, *293.
Simplified weekly pass in Norfolk *815. Purchase of Norfolk property arranged, 435, Sand storage bina, *293.
Simplified weekly pass in Norfolk, *815. Track extension work, 890. Transporting car trucks with broken axles, *428, Wages increased, 141.
Rochester, N, Y.:
—Canal railroad operation discussed, 550.
—Eric Canal railway to use lift rule of road, 198.
—New York State Rys.:
—New York State Rys.:
Annual report, 60.
Fare hearing, 91.
Fares increased in Rome, N, Y., 180.
Linsurance policies given for safaty records, 181.
Oneida farea increased, 667.
Purchasea made and taxes paid in 1926.
772.
Service-at-cost franchise asked for buses. Service-at-cost franchise asked for buses, 183. Service accost franchise asked for buses, 183.

Service records, 995.
Subway contract, 924.

Syracuse fare controversy, 260, 303, 393, 627; Commenta on, 273.

Syracuse revenue passengers in 1926, 310.

Tempering and resetting aprings [Kyle].

*576,
Uniform traffic aigns committee appointed.

779,
Valuation controversy, 711.

Wage negotiations, 549, 668, 837, 922, 972, 1059,
Rochester & Syracuse R.R. (see Syracuse, N.Y.).

Rockford, III.:

Rallways reorganized, 314, 798. lockford, Ill.;

-Rallways reorganized, 314, 798.

-Rockford & Interurban Ry.;

-Rockford & Interurban Ry.;

-Rockford Public Service Co.;

-Garage construction plana, 1160.

New franchise adopted, 220.

-Personnel changes, 360.

ock Igland, Ill.;

-Tri-City Rallway of Illinois:

-Personnel changes, 147.

Sacramento, Cal.:

—Pacific Gas & Electric Co.:

Fare increase sought, 923,
Safety work:

—Atlanta, Ga., Cody Safety Medal, 1060,
—Brady safety award, 587, 664; Comments on, 640.

Armature coil insulation removed by lye,

eaw belt

Schenectady, N. Y.;
—Schenectady Ry.;
Bus competition, Rehearing asked, 306.
Commutation ticket sought, 178.
Scotland (see Great Britath).
Scranton, Pa.;
—Lackawanna & Wyoming Valley R.R.;
Air compressor motor drives saw bel
*342.
Armature, coll. in the control of the compression of the control of the con Safety work (Continued):

-Britton I, Budd medal for saving lives awarded, 923.

-Brooklyn cars bear warning sign to motorists, 429.

-Chicago, Ill., Rubber markers for safety islands, 1039.

-Discussed by Kentucky Public Utilities Assn., 387.

-First aid training school, Chicago, Ill., 857.

-Hazleton, Pa., Safety guards on shop machinery, *906.

-Insurance policies given for safety records. 181.

-Milwaukee, Wis Rooklet, for children, 2007. Milwaukee, Wis., Booklet for children, 307.
Milwaukee, Wis., Safety crusade, 880.
New Orleans, La., First aid packet, *1040.
Personnel cooperation necessary, Comments on, 561. on. 561.

—Philadelphia, Pa.. "Will Livelong" campaign,
Detalis. *808; Comments on, 803.

—Progress of safety movement, Comments on,
599.

—Safety course for employees, Chattanooga.
Teon., 907.

—St. Louis, Mo., Car fenders removed, 305. —St. Louis, Mo., Car fenders removed, 305.

Saginaw, Mich.;
—Saginaw Transit Co.;
Advertising campaign, Details, *239.
Property in oil boom area, 626.

St. John, N. B.;
—New Brunswick Power Co.:
Car glass set in rubber tubing [Harris], *1095.
Car supports used in shop, *1047.
Combination ealt, sand and side wing car [Harris], 518.

St. Joseph, Mo.:
—St. Joseph Railway, Light, Heat & Power Co.:
Belt line construction progress, 742.
St. Louis Car Co. opens steel erecting shop, *1105. Belt line construction progress, 742.

St. Louis Car Co. opens steel erecting shop, *1105.

St. Louis, Mo.:

—Bill proposed to tax bus companies, 263.

—Parkway plan abandoned, 141.

—Purple Swan Safety Coach Lines:

Receivership controversy, 58, 308, 469.

—Rapid transit enabling act, 140, 750.

—Service-at-cost franchise discussed (Bonbright), [Nash], c290; Comments on, 274.

—United Railways:

Auditor's financial statement, 717.

Building & Loan Assn. report, 566, 858.

Car fenders removed by Commission, 305.

Employment conditions, Detaile, 957.

Fare controversy, 177, 259, 303, 393, 428.

711, 787, 972, 1059.

Foreclosure plans, 435, 670, 792, 978, 1017.

Pamphlet tells operating detaile, 171.

Reorganization, 07.

Rolling stock, Shop-built, 597.

Tornado damage, 923.

St. Paul City Ry, (see Minneapolis, Minn.).

St. Petersburg, Fla.;

—St. Petersburg Municipal Ry.;

Bond issne for improvements, 148.

Referendum bond election, 219.

Sait Laske City, Utah:

—Utah Light & Traction Co.:

Improvement program, 935.

Trainmen's courtesy contest, 219.

Twenty-five year veterans celebrate, *667.

Work car equipment modernized [Heiges], *607.

Sand drying plant, Los Angeles, Cal., *211.

San Diego, Cal.; Sand drying plant, Los Angeles, Cal., *211.
San Diego, Cal.;
—San Diego Electric Ry.;
Commutator bar spacing stachment
[Herms], *1091.
Multiple-unit train service, Operating details (Averill), *167.
Stags line purchased, 1115.
Zone fare system, Details, *1028. San Francisco, Cal.:

—Market Street Ry.:

Annual report, 630,

Armature core nute made from pinion,

708.

-Upholstered, Rochester & Syracuse R.R.

1044.

W. B. & A. articulated cars, *570.

-Williamsport, Pa., Upholstered seate, *728.

Seattle, Wash.:

-Pacific Northwest Traction Co.:

Auto stages to replace interurbans, 356.

-Puget Sound Power & Light Co.:

Interurhan bus terminal construction, *587.

Tax refund must be made by city, 435.

-Seattle Municipal Ry.:

Bond priority suit, 1152.

Bond redemption, plsn, 358, 1152; Details, 464.

Car designation signs, 837.

Car purchase terms discussed, 637, 760, 936.

Financial status, 91, 883, 925.

Seniority rule demanded by union, 838.

Short haul 5-cent fare system, Trial, 1013.

Suit brought to compel cash payment to employees, Details, 218, 259.

Survey of rallway situation, 177.

Tax to aid railway illegal, 54.

Traffic etimulation aided by clubs, 355.

-Seattle & Rainer Valley Ry.:

City purchase disapproved by voters, 553.

Financial readjustment suggestione, 625.

Franchise tax discussed, 436, 750.

-Tax suits, Disqualification proceedings, 549.

Service and tower trucks:

-B.-M. T., electric trucks used in shop, *503.

-Construction truck designed, Greensboro, N. C., *613.

-Crane for pole setting, *958.

-Dolly truck for crippled cars [Chiles], *914.

-Electric railway wrecker (Linke-Hofmann), 960.

-Line construction car, Harrisburg, Pa., *1146.

-Removable crawler tread for crane (Universal), *871.

-Rubber-tired truck for fenders, *87.

-Sand-spreading truck, Montreal [Lindsay], *688.

-Trailer trucks (American Car), *536.

-Truck for handling car axles, *526.

-Truck for transporting oil lamps, *524.

Shore Line Motor Coach Co, (see Gary, Ind.): Shreveport, La.:

-Shreveport Railways:

Modern cars affect riding [Hearn], c249.

Signale:

-Automatic traffic signale, Report on, 696.

-Chicago, Ill., Traffic signale school, Details, *003.

-New York City, Synchronized traffic signals, Comments on, 232.

-Oakland, Cal., Improvement plans, 983.

-Philadelphia, Pa., Subway signal controc, 1123.

-Standardization recommended in New York, Details, *940; Comments Bearings made of lead brase, Details, Bearings made of lead brase, Details, *1077.

City and railway growth advertised, 862.
Contact fingers refinished in lathe, *520.
Disinfectant for cars. 661.
Fire fighting truck, Details, *1137.
Personnel changes, 932.
Special trackwork maintenance, *659.
Spring cushion seat order, 228.
Truck cleaning method, 660.

Municipal Railway of San Francisco:
Annual report, 144.
Bond extension controversy, 261, 712, 1013, 1059, 1113; Comments on, 1125.
Buses used in feeder service. Details, *1135.
Car purchase plans, 760, 800.
Extensions planned, 149.
Fare increase, 93.
Financial situation, 306.
Improvements and new projects. Details (1078).
Tolley wire bids, 1070.
San Jose, Cal:
—Railways ask fare increase, 588.
Schedules and time tables: -Philadelphia, Pa., Subway signal contract, 1123.
-Standardization recommended in New York, Details, *940; Comments on, 938.
-Traffic signals help relieve congestion [Traiser] 1128.
-Sioux City, Iowa: Financial report, 883.
Soow and ice removal:
-Boeton Elevated Ry. methods, Details [Steward], *567.
-Chicsgo, Ill. Snow plow built in shops, Design, Details [Wheeler], *256.
-Combination salt, eand and side wing car, St. John, N. B. [Harris], 518.
-Grand Rapide, Mich., Combined snow scraper and sweeper, *380.
-Kansss City, Mo., Snow plow attachments, \$24.
-Snow loader, Improved type, *134. -Railways ask fare increase, 588.

Schedules and time tables:

-Akron, Ohio. Rearrangement proposed, 392.

-Aurors, Ill., Schedule changes, 585.

-Chicago, Ill., Schedule adjustments for summer [Traiser], *887.

-Los Angeles, Cal., Schedule making and checking methods, *997.

-Paris, France, Schedules of tram and bus, Details [Mariage], *157; Comments on, 152.

-San Antonio, Texas, Alarm clocks show bus

Snow and ice removal (Continued):

—Toledo, Ohio, Improving sweeper brooms [Smith], *461.

South Bend, Ind.:

—Chicago, South Shore & South Bend R.R.:

Bus and rail terminal plans, 889; Installation, 1155.

Dining and parlor car service installed, 417; Comments on, 406.

Employees awarded better business prizes, *1111.

Improvement program, Dealis, 228.

Locomotives ordered, 677.

Parlor car trains installed, 636.

Personnel changes, 268.

Summer excursion rates, 789.

—Transportation used by store customers, Survey, 995.

South Carolina Power Co. (see Charleston, S. C.);

Southern Indiana Gas & Electric Co. (see Evansville, Ind.);

Southern Ohio Public Service Co. (see Zanesville, Ohio);

Southern Pacific Ry.:

—Bus service plans opposed, 839.

—Auxiliary bus service installed, 790.

—Switching arrangements, Oakland, Cal., Details, *1037.

Southwestern Public Service Asso.:

—Annual meeting, Running report, 784, 827;

Comments on, 803.

Southern Public Utilities Co. (see Charlotte, N. C.);

Special trackwork:

—Electric track switch, Oakland, Cal., *1037.

—Repairing, Comments on, 679.

—San Francisco, Cal., Maintenance methods, *485.

—Unit switch, Improved construction, 345. -Track switch developed in Knoxville, Tenn., *485. *485.

-Unit ewitch, Improved construction, 345.

Spokane, Wash.:

-Spokane United Rys.:

Business institutions give free rides to customers, 431.

-Inland Empire R.R.:

Name changed to Spokane & Idaho Northern, 354.

Ownership changed, Comments on, 1027. Ownership changed, Comments on, 1027.

Springfield, Mass.:

—Springfield Street Ry.:

Bus operating plans, 552, 790.

Car's ordered, Specifications, *595.

Control passed to N. Y., N. H. & H., 359.

Experimental car, Design, Details, *562;

Comments on, 559, 599.

Track reconstruction progress, 982.

Worm-drive car tests, Details, 713, *659;

[Wood], *c822; Comments on, 725. Springfield, Ohio:

—Indiana, Columbus & Eastern Traction Co.:

Bus windshields kept free from frost,

*1145.

Oxyacetylene torch, Uses of [Foote], *576.

Passenger cars rebuilt for freight trailers,

*162. *162.

Standardization:

—Developments in 1926, 27; Comments on, 67.

—Freight cars, C.E.R.A., rules, *961; Comments on, 67.

—Freight equipment, Discussed by C.E.R.M.

M.A., *918; Comments on, 891.

—Government active in, 114.

—Journal bearings, Dimensions, *527.

—Paving brick, 888, *1164.

—Plain and lock washers, 53.

—Standard specifications should be utilized (George), c742.

—Track standards, Comments on, 1072.

—Traffic signal standardization recommended in New York, Details, *940; Comments on, 938.

—Trolley wire, A.E.R.E.A. report, 709. -Trolley wire, A.E.R.E.A. report, 709.
-Wheel tread and flange contours, *528.
Stark Electric Co. (see Alliance, Ohio): — Tholey wire, A.E.R.E.A. report, '09.

— Wheel tread and fiange contours, *528.

Stark Electric Co. (see Alliance, Ohio):

Statistics:

— Abandonments in 1926, *43; Comments on. 2.

— Automotive equipment ordered in 1926, *33.

— Book issues and maturities, 1926, *31; Comments on. 31.

— Boston Elevated Ry, increase since 1897, 719.

— Bus operating costs, Youngstown, Ohio (Graham), *371.

— Bus operation by electric railways, 1926, *33; Comments on. 3.

— Bus operation by electric railways in Indiana, 169.

— California, Bus operating report [McCabe], *866,

— Canadian railway operations, Survey, *852; Comments on, 849.

— Cars, Orders analyzed, 1926, *20; Comments on, 4, 67.

— Czechoslovakian electric railways [Neithammer], *79.

— Electric railway operations in 1926, A.E.R.A. report, 792; Comments on, 764.

— Heavy electric traction, 1926 work reviewed, *43.

— Holland, Railway, trackless trolley and bus operation compared, *612.

— Loading platforms, Survey [Miller], *642; Comments on, 641.

— New York City, Railroad and ferry passengers arried by public and private vehicles [Miller], 257.

— Passengers traffic 1920-26, Winnipeg, Can., 471.

— Pull-in record, 1926, Southern Properties, 250, Purchases planned by railways, 1922-27, *11; Comments on, 2, 68.

— Railway costs and fares, 1926 [Richey], *26; Comments on, 68.

- 553.

Track construction in 1926, *43; Comments on, 2.

Traffic, fare and wage figures, A.E.R.A. re-Port, 265, 670, 841.

- Vehicle fraffic, Chicago, Ill., 70.

- Vienna traffic, Review, *411. Steps, Car:
—Metal steps reduce maintenance, *661. Stores:

-Armature, Stands for storing, *706.

-Axle storage, Richmond, Va., *525.

-Compressor brush storage, *825.

-Electrical material storage, Chicago, [Smith], *682.

-Light bar steel storage, Rack for, *343.

-Purchasing and stores system, P.R.R., 21.

-Sand storage bins, Richmond, Va., *203.

-Scaffold plank storage, *341. Va. *825. Chicago. *343. R 214, Storm and fire damage:

--Mississippi Valley flood, 879; Comments on, 763. -Nashville, Tenn., Flood, Details, *651 -New York City, Subway fire, *788. -St. Louis, Mo., Tornado damage, 923. - New York City, Stoway life. 183.

Street traffic congestion:

- Automobile saturation problem. 926; Comments on, 1126.

- Chicago, Ill., Jaywalker survey, 878; Comments on, 811.

- Decreasing congestion losses, 170.

- Discussed by N.A.C. of C., 748.

- New York City [Langanl, e86.

- Organized street use, Comments on, 1927.

- Problems of mass transportation [Bibbins], 735; Comments on, 726.

- Railways can lead in reducing [Traiser], **1128, **11 Substations and equipment:
—Automatic:

-Automatic:
Chicago Surface Lines, Details, 806;
[Noah], *863,
-Cane Town, South Africa, Automatic, 627.
-Milwaukee, Wis., Order for, 846,
-Mootreal, Can., Automatic mercury are rectifier, Details, *766; Comments on, 764.
-Rectifier order, New Haven, Conn., 189,
Superior, Wis.:
-Accident caused by man failure, 220. Switzerland:
—Electrification progress, 394.

-Electrification progress, 352.
Syracuse, N. Y.:
-Rochester & Syracuse R.R.:
Cars modernized, Details, *1044.
-Syracuse & Eastern R.R.:
Fare increase sought, 261.

T

Tacoms, Wash.;

—Tacoma Railway & Power Co.;

Citizens interviewed on service, 392.

City engineer criticizes handling methods,

878. Fare changes, 837. Franchise changes require vote of people, Ticket rates readjusted, 353. Taxes;
—California, Railway tax ruling, 310,
—Connecticut, Interstate bus tax, 222, 356,
—Dallas, Texas, Bus capacity tax questioned,
434.

Potrait Mich. Paving relief sought, 261, Dallas, Texas, Bus capacity isx questioned, 434.
Detrnit, Mich., Paving relief sought, 261, 393; Comments on, 765.
Gross net tax, Progress [Vickers], e383.
Hartford, Conn. loses tax suit to railway, 714.
Indiana, Revenue from utility taxes, 412.
Law forbids tax to ald Seattle railway, 54.
Maryland, Gasoline tax rebate, 665.
New York, Railway taxes discussed by Mr. Merrill, 266; Comments on, 233.
Ohio utilities excise tax bill, 753; Comments on, 727.
Pennsylvania, Gas tax, 881.
Pennsylvania, Paving relief bill defeated, 749.
Philadelphia, Pa., Interstate bus tax upheld, 790.
Reduction in corporation income tax urged by U. S. C. of C., 1015; Comments on, 1926, 772.
St. Louis, Mo., Bus taxes, 263, 716.
Seattle, Wash., Franchise tax relief sought, 750.
Seattle, Wash., Tax refund decision, 435.
Texas, Tax reitef bill, 471.

750.

Seattle, Wash., Tax refund decision, 435.

Texas, Tax relief bill, 471.

Utility taxation systems reviewed [Seligman], 199; Comments on, 233.

Wisconsin, Gasoline tax Increase bill, 309.

Taxicabs:
—Cincinnatl. Ohio regulation, 716.
—Minneapolis, Minn., Railway installs, 95;
Comments on, 69.
Tennessee Electric Power Co. (see Chattanooga, Tenn.): Tennessee, State of:

—Bill against one-man cars lost, 789. —Bill agamst one-man cars lost, 789.

Terminals and waiting stations;
—Aurora, Ill., Plans for terminal, 477.
—Chicago, Ill., Platforms lengthened, 926.
—Chicago, Ill., Terminal construction, 587.
—Cleveland, Ohio, Station construction, Details, *247.

Greensburg, Pa., Terminal improvements, *1001.

Highwood, Ill. New station, Details, 57. Terre Haute, Indianapolis & Eastern Traction Co. (see Indianapolis, Ind.): Terre Haute, Indianapolis & Eastern Traction Co. (see Indianapolis, Ind.):

Tests of material and equipment:
—Air equipment testing, Ft. Wayne, Ind. [Reddersen]. *338.

Armatures, Bar-to-Bar test., *136.
—Axles tested for frueness, *292.
—Base plate rail joint tests. Boston, Mass. [Walker]. *773.
—Bond-testing methods, Charleston, W. Va. [Albert]. 1005.
—Cement tests, France, *386.
—Fageol twin coach, Chicago, Ill., 469.
—Field coil tests *108.
—Locomotives, Electric, Testing methods, I.C.C. decision, 581.
—Pavement damages from overloaded trucks, Comments on, 891.
—Rail strength fests, Eurone [Fremont], *283.
—Steam bus tested, New York City, 357.
—Storage battery locomotive, *83.
—Tie tamper, Electric, *89.
—Worm-drive car, Springfield, Mass., 713: [Wood], *c822; *859; Comments on, 725.
—Worm-drive trucks, Jollet, Ill., Details, *054.
Texas Electric Ry. (see Dallas, Texas); Texas Electric Ry. (see Dallas, Texas); Third Avenue Ry. (see New York City); Ties:

-Boston, Mass., Treated ties, Details, *320, Comments on, 317,

-Creosoted ties, Illinois Traction, *379,

-Steel ties, Atlantic City, N. J. [Ashbridge], *1674,

-Treated ties, Atlanta, Ga., Details [Smith], *455; Comments on, 444. Tires:
—Trackless trolley fitted with tires, Ipswich, England, *996. pneumatic Tres. pswich, England, *990.

Toledo, Ohio:

—Bus ordinance, 395.

—Community Traction Co.:

Annual report, 1159.

Employees get new uniforms, *714.

Franchise negotiations, 393, 787, 1169.

Improving snow sweeper brooms [Smith],

*461.

Wage controversy, 1111. Topeka, Kans.:

—Topeka Railway:

Bus service, 143,

Bus service, 143,
Toronto, Can.;
—Toronto Rallway:
Llquidation dividend, 792,
Llquidation dividend, 792,
Bids on new cars asked, 442,
Bow collector, Automatic reversing, *421,
Gage change of radials opposed, 880,
One-man car rights sustained, 352; Comments on, 318,
Radisl railway control taken over, 265,
Scrap materials sold, 1024,
Ventilation system, 974.
Track construction;

Frack construction:

-Boom extension for ditching machine. *1049.

-Building track in salty sand [Ashbridge],

*1074.

-Cincinnati, Ohio, Reconstruction program, Details, *903. -Compressor outfit, Los Angeles, Cal., *424. -Highway crossings construction, Ill. Trac-tion, *379. -Kansas City, Mo., Reconstruction, Details, *113.

-Milwaukee, Wis., Interurban cut-off, 577; De-tails, *1985.

-New Haven, Conn., Reconstruction methoda [Johnston], *691, -Omaha, Neb., Plans for 1927, 363, -Paved-track data in pamphlet, 271, -Pittsburgh, Pa., Details [Williams], *495, -Review of 1926, Statistics, *43; Commenta on, 2.

Richmond, Va., Extensions, Progress, 890.
 San Francisco, Cal., Extensions [O'Shaughnessy], *408.

Springfield, Mass.; Progress, 982. Tie tamper, Electric, Details, *86.

Trackless Trolleys:

—Chesterfield, England, Trolley buses adopted,
221. -Ipswich, England, Design *996.

Track maintenance:

—Boston, Mass., Snow-fighting methods and equipment [Steward]. *567.

—Chlcago Surface Lines, Methods [Wolfe], 618.

Track maintenance (Continued):

--East Chicago, Ind., Improvement plans, 761,

--Equipment for:

Air compressor, Portable [Suffivan], *541,

Arc welder (Railway Track-Work), *542,

Arc welding equipment (Westinghouse),

*542,

*541,

Concrete breakers (Sullivan), *542, *541. Concrete breakers (Sullivan), *543. Contact book and pole (Railway Track-Work), *541.
Oil preheater (A. Milburn), *541.
Oxyacetylene plant, Portable (A. Milburn), *542. Rail joint grinder (Railway Track-Work),

Track grinder, Rotary (Railway Track-Work), *542. -Hazards of [Matthews], c957; Comments on, 987,

-Highway crossing made of old rail E. St. Louis, Ill. (Baker), *812. -Improved thermit nozzle holder for rail welding, *661.

-Machine holds rails for welding [Taurman].

*1094.

Maintalning track in salty sand, Atlantic City,
N. J. [Ashbridge], *1074.

New Haven, Conn.. Methods [Johnston], *691,
Pittsburgh. Pa., Methods [Williams], *495.

Power take-off for portable tools, *523.

Rail alignment and renairing, Eric, Pa., *331,
Rail corrugation, Effect of abrasion and compression [Fremoot], *283.

Rail corrugation in Europe, Details [Ewing], 281.

Pallypood grossing mode of old rail, Galt, Out

-Rallroad crossing made of old rail, Galt, Ont.
[Midgley], *1096.
-Reciprocating grinder, *212.
-Washington, D. C., Welding track, Details
[Goucher], *486.

[Goucher]. *486.
Traffic investigations:
—Birmingham, Ala., Survey report, 973.
—Boston, Mass., Survey plans, 467.
—Chatlanooga, Tenn., Survey report, 713.
—Chicago, Ill., Survey, Report, *76, 170; Comments on, 69, 167, 231.
—Curbstone parking, Survey of 17 cities, 124.
—Macon, Ga., Survey proposes rebuilding railway, 432.

New Jersey-New York rapid transit loop, Report, *333. —New York City, Subway system survey to be made, 712.

—Philadelphia, Pa., Survey, Report, 93, 178, 584, 749. -Providence, R. I., Transit study proposed, 1612.

-Seattle, Wash., Survey of railway situation, 177,

- South Bend, Ind., Transportation used by store customers, Survey, 995.

- Traffic control methods to be surveyed, 198.

- Vienna traffic, 21 year review, *411.

- Williamsport, Pa., Citizens' survey, Report.

*728.

*728.

Traffic regulation:

—Automatic signals, Report on. 696.
—Chicago, Ill., Details [McHraith], 619.
—Chicago, Ill., Traffic signal control, Details [Traiser], *991.
—Cincinnati, Ohio, New regulations, 1031.
—Laws against slow driving recommended 416.
—Organized street use, Comments on, 1027.
—Pedestrian regulation [McHraith], c957.
—Problems of mass transportation [Bibbins], 735; Comments on, 726.
—Survey to be made of traffic control methods, 198.

Synchronized signals, N. Y. C. Comments on,

-Synchronized signals, N. Y. C., Comments on, 232,

232.

Whe rules vital to community [Mcllraith].
619.

Traffic stimulation:

—Akron. Ohio. Buses rerouted. 586.
—Cooperation with police. Comments on, 275.
—Depot service, El Paso, Texas. *902.

Levis. Que., Holiday gifts Increase riding.
141.

Loading platforms. Wilkes-Barre. Pa.. *262.

—Modern cars increase riding [Chiles]. c249;
[Bucher]. c249; [Hearn]. c249.

—Safety platforms aid, Survey [Miller]. *642;
Comments on, 641.

—Westfield. N. Y., Soccial farcs offered to baseball games, 973.

Transportation. Metropolitan;

baseball games, 973.

Transportation, Metropolitan:

-Changing aspects discussed, 714.

-Community welfare demands improvements [Sawyer], 830.

-Manufacturer and operator cooperation needed [Sawyer], *123: Comments on 151.

-Modernization, Methods discussed [Graham], 125: Comments on, 151.

-"Popular" or mass transportation [Smith], [Mitchell], c383; [Jackson], c423; Comments on, 273.

-Private vs. public transportation, Comments on, 937.

-Problems and coordination [Sawyer], 387.

on, 937.

—Problems and coordination [Sawyer], 387.

—Problems of mass transportation [Bibbins],

*735; Comments on, 726.

—Regulation affects, Comments on, 405.

—Three classes of service, says T. E. Mitten
[Gordon], *368.

—Trenda discussed by U. S. Chamber of Commerce, 875.

—Transit needs discussed by H. A. Johnson,
710.

Trenton N. I.:

Trenton, N. J.:

Trenton & Mercer County Traction Corp.:

No accident bonus plan, 354.

Tri-City Railway of Illinois (see Rock Island, Ill.):
Tri-City Ry, of Iowa (see Davenport, Iowa).
Trolley base (G. E.), *294.
Trolley wire, Choice of alloy [Neild], 1052, 1107.
Trucks:
—Car truck designed by Mr. Blackhall, 579;
Comments on, 561.
—Cleaning method, San Francisco, Cal., 660.
—Design chaoge reduces breakage [Clarkson], *1091.
—Springfield, Mass., Experimental car, *562;
Comments on, 559.
—W. B. & A. articulated cars, Details, *570;
Comments on, 559.
—Wheel fenders protect, Porto Rico, *322.
—Worm-drive, New development, Joliet, Ill., Details, *602, *954; Comments on, 599.
Trucks, Motor:
—Compressor outfit on bus chassis, *424.
—Fire fighting truck, San Francisco, Cal., *1137.
Tunnels:
—Moffat, First section completed, *430.

Tunnels:

-Moffat, First section completed, *430.

-New York-New Jersey tunnel extension urged, 1012.

Twin City Rapid Transit Co. (see Minnespolis, Minn.)

U

Union Street Ry. (see New Bedford, Mass.).
United Electric Rys. (see Providence, R. I.):
United Railways (see St. Louis, Mo.).
United Railways & Electric Co. (see Baltimore,
Md.).
United Suburban Ry. (see Grandville, Mich.).
United Traction Co. (see Albany, N. Y.).
Utah-idaho Central R.R. (see Ogden, Utah).
Utah Light & Traction Co. (see Salt Lake City,
Utah).
Utah, State of:
—Paving measure, 626.

Vallev Rys. (see Lemoyne, Pa.). Virginia Electric & Power Co. (see Richmond, Virginia, Minn.; —Mesaba Railway; Abandoument sought, 399.

W

Wage decreases:

—Buffalo & Erie Ry., 789.
—St. Petersburg, Fla., 181.
Wage increases:
—Aurora, Ill., 588.
—Boston, Mass., 786.
—Edmonton, Alta, 974.
—Indianapolis, Ind., 1013.
—Interborough Rapid Trausit Co., 625.
—Missouri, 1915-26, 62.
—Missouri, 1915-26, 62.
—Richmond, Va., 141.
—Scranton, Pa., 835.
—Trenton, N. J., 838.
—Winnipeg, Can., 1060.
Wages and working agreements:
—A.E.R.A. figures, 1925-26, 265, 670, 841, 1062.
—Atlanta, Ga., Contract renewed, 220.
—Chicago, Ill., Increase asked, 973, 1060.
—Consecutus of Indexes, 185, 398, 592, 754, 978, 1158.

Wages and working agreements (Continued):

—Indianapolis, Ind., Increase asked, 260.

—Indianapolis, Ind., One man's wages increased by Commission, 750, 1013.

—New Haven, Conn., Negotiations, 1154.

—Rochester, N. Y. Negotiations, 549, 668.

837, 922, 972, 1059.

—Rome, Italy, Details [Blake], *935.

—St. Louis, Mo., Data shows improvement, 957. Rome, Italy St. Louis, 957. —Seattle, Wash., Suit to compel cash payment to employees, 218, 259.

—Trend in 1926 [Richey], *28; Comments on, 08. Os.

Winnipeg, Can., Wage agreement, 1060, Washington, Baltimore, Md.):

Washington, D. C.

Bus lines sold, 1118.

Capital Traction Co.;

Annual report, 1063.

Arbitration agreement, 878.

Axles tested for trueness, *292.

Sawing machine saves labor, *461.

Valuation case appealed, 310, 398.

Welding track without car delays [Goucher], *486.

One-man car operation, Study to be made, 751.

Railway merger to be studied by Congress. -Railway merger to be studied by Congress.

-Railway merger to be studied by
555.

-Washington Railway & Electric Co.:
Annual report, 397:
Carrier removes broom motors [Blaiklock],
*1093.
Operating agreement suit, Decision, 1154.
Parowax method for determining flange wear [Blacklock], *913.

-Washington-Virginia Ry.:
Foreclosure sale, 266, 882.
Plan to reclaim road, 435, 976.
Watertown, N. Y.:
-Black River Traction Co.:
Fares increased, 180.

Welding:

Fares increased, 180.
Welding:
—American Welding Society symposium, 834.
—Are welder, Machine driven [Lincoln], *783.
—Are welder, Portable resistance, *252.
—Brake beams, Worn, Welding process, 344.
—Combination cutting and welding equipment [A. Milburn], *529.
—Portable steel welder [Lincoln], *345.
—Miller medal donated by Am. Welding Society, 1070.
—Prizes offered for papers on are welding, 462,

Miller medal donated by Am. Welding Society. 1070.

Prizes offered for papers on are welding, 462. 1164.

Rall joints, Bangor, Me., *133.

Thermit welding, Improved nozzle holder. *661.

Track welding, Washington, D. C., Details [Goucher]. *486.

Welding rod (Lincoln], 960.

Welding torch (Air Reduction), *531.

West Chester, Pa.:

West Chester, Pa.:

West Chester Street Ry.:

Bus subsidiary reorganized, 552.

West Penn Rys. (see Pittsburgh, Pa.):

Wheeling, W. Va.:

Wheeling, W. Va.:

Wheeling, W. Va.:

Wheeling Public Service Co.:

Cars ordered, Specifications, *441.

Rides free on Community Day, 56.

Psving relief denied, 1011.

Weekly pass sales increased, 305.

Wheels and axles:

Adjustable coilar, Details, *292.

Atlanta, Ga., Maintenance practice [Squires], 255.

Axle arrangement, Berlin, Germany [Pfort].

*203.

Axle storage, Richmoud, Va., *525.

C.E.R.A. staudard for freight cars, *961.

*203.

-Axle storage, Richmond, Va., *525.

-C.E.R.A. standard for freight cars, *961.

-Jollet, Ill., New axle construction, Details, *662; Comments on, 599.

-Machining New tools for, *531.

Wheels and axles (Continued):

—Polishing bearing surfaces of axles, *526.

—Repair equipment for, B.-M. T., *503.

—Springfield, Mass, experimental car, *562;
Comments on, 559.

—Tests for trueness, *292.

—Truck for handling car sxles, I.R.T., *526.

—Wheel for handling car sxles, I.R.T., *526.

—Wheel flanges built up by welding, *869.

—Wheel removal (Foote), c698.

—Wheels, Removing and pressing on methods,
Hazleton, Pa., *331.

—Wheel tread and flange contours, Standard,
 *528.

—Worm-drive axles discussed in Timken magazine, 1166.

Wilkes-Barre & Hazleton Ry. (see Hazleton,
Pa.);

Wilkes-Barre, Pa.:

—Wilkes-Barre, Pa.:

Wilkes-Barre & Hazleton Ry. (see Hazleton, Pa.):

Wilkes-Barre Pa.:

-Wilkes-Barre Ry.:
 Armature winding truck, Portable. *521.
 Armature stands for storing, *706.
 Linoleum and rubber mats on car floors, *385.
 Loading platforms erected. *202.
 Shop construction started. 403.
 Williamsport, Pa.:

-Williamsport Passenger Ry.:
 Carhouse and shops inspected by public. 429.
 Cars ordered, Specifications, *103.
 Commutator slotter on lathe stand, *87.
 Motor heads reclaimed, *523.
 Reorganization, Details, *728; Commeuts on, 765.
 Widnipeg, Man., Cau.:

-Winnipeg Electric Co.:
 Car inspection (Watkins), 1105.
 Customer-ownership campaign, 97.
 Franchise situation, 353.
 Passenger traffic 1920-26, 471.
 Wage agreement, 1060.
Wisconsin, Stats of:
 One-man car opposition in legislature due to Superior secident, 220.
Wisconsin Utilities Assn.:
 —Committee appointments, 1010.
 Wood preservation:

-Atlanta, Ga., Methods and equipment, Details, *320; Commeuts on, 317.

-Preservative treatment of poles [Boehns].
 Worcester, Mass.;
 Howers of the street Ry.:
 Bus company purchased, 434.
 Bus extension plans, 552.
 Cars ordered, Specifications, *595.
 Personnel changes, 399.
 Salt purchases, 403.

Y

York, Pa.:

—York Railways:

Refuse car, Screened, *320,
Truck for handling fenders, *87,
Truck for transporting oil lamps, *524,
Youngstown, Ohlo:

—Penusylvanis-Ohio Electric Co.:
Bus operation, Details [Graham], *371,
Bus service augments cars, *86,
Interurban bus service, Details [Graham],
 *413; Comments on, 406,
Personnel changes, 362,

Z

Zanesville, Ohio:
—Southern Ohio Public Service Co.:
—Transportation situation in Newark, Details,
138; Comments on, 107.

AUTHOR INDEX

A

Albert, J. E.:

—Cold steam process used for cleaning, c908.

—Resistance welder used for bonding load, 1005.

An Interurban Patron:

—Motormen's badges are poor advertleements

—motormen's badges are poor advertlaements for heavy interurbans, c422.

Ashbridge, R. I. D.:

—Building and maintaining track in salty and, *1074.

Aspinwall, L. M.:

—Momentary atresses developed while bucking railway motors, *950.

Ayerill, R. G.*

ranway mock.

Averill, R. G.:

—Cab-controlled couplers speed up San Diego service, *167.

service, *167.
Axtell, C. J.:
—improvementa made in car equipment apparatus, 254.

Baker, Emerson W.:

-Rehabilitation increases riding on the Fitchburg Railway, *738.

Baker, S. Clay:

-Durable highway crossing made of old rail, *812.

Bange, C. M.:

-Locomotives constructed out of bridge material, *649.

Barnhart, J. D.

-Car maintenance and shop practices, 616.

Bibbina, J. Rowland:
—Problems of mass transportation, 735.

—Problems of mass transportation.

Bickford, E. F.:

—Accidental and intentional radio interference, 968,
Bigelow, H.:

—Extensive rehabilitation program planned by South Carolina Power Company, c339.

Blaiklock, J. B.:

—Carrier for removing broom motors. *1093.

—Parowax method for determining flange wear, *913.

Blair, D. E.:

—Mileage the logical basis for bus depreciation, 1104.

Blake, Henry W.:

—Transportation in the Eternal City, *945.

Boehne, E. E.:
—Preservative treatment of pine poles, *1103.

Bolt. W. C.:

—New equipment saves \$1,528 per car per year, *207.

Bonbright, James C.:

—Wide range of thinking on service at cost. c290.

Boyce, W. H.:

—Development of miscellaneous revenue, 1055. Brann. C. A.:

—Telling the company's story to a new man, 834.

Brosseau, A. J.:
-Field of the motor bus, 1149.

Brown, F. W.:

-An added source of revenue, *161.

Bucher, Henry:

—Attractive cars and frequent service solved
Fort Wayne problem, c249.

Cauer, W.:
—German road makes progress, *1131.

Clarkean Edwin R. C.

Chiles, R. T.:

—Attractive cars increase riding, c249.

—Dolly truck for crippled cars, *914.

—Repairing steel side aheets of cars, *1093.

Clark, A. T.:

—Frequent painting required, *498.

—Rolling stock should give the best impression possible, 116.

· sion possible, 110.
Clarkson, Edwin R.:
—Changes reduce truck breakage, *1091.
Colby, A. C.:
—Old cars should be replaced as fast as possible, c289.
Cole, A. B.:
—Ton-mile freight cost, 813.

Crawford, J. B.:
—Efforts to reduce radio interference successful at Concord, 969.

Dean, John 8.:

—Protection for commutator V-bands, 1006.

—Sieeves for cable leads, *660.

—Smooth eurfaces an aid to tight bearings.

*782,

Dickson, E. J.:

-Good service in attractive cars increases riding, *988.

Donley, J. B.:

—Popularizing electric railway service in Pitta-burgh, 175.

Duffy, J. A.:

--More perfect alignments results from boring armature bearings after installation in housings, *1092.

E

Feustel, Robert M.:

—Financial reorganization saved the original investment, 296.

Foote, F. J.:

—Difficulties in wheel removal discussed, c698
—Some shop uses for the oxyacetylene torch,

Frehse, Ray S.:
—Stepping on it, 254.

Fremont, Ch.:

—Effect of abrasion and compression on rall corrugation, *283.

G

Geibel, F. E.:
—Street congestion increases car repairs, 781.

George, Howard H.:

—Proposed fire protection regulations unde-airable, c868.
—Standard specifications should be utilized, c742.

Gilbert, P. A.:
—Method of removing broken cap screws, *911.

Goldberg, Hon, Louis:

—Reproduction cost unsatisfactory as basis for rate making, 964.

Gordon, Charles:

—Three classes of service, says T. E. Mitten, °366.

-You can't steel cotton goods in a sick age, 1087.

Goucher, Edwin P.:
—Welding track without car delays, *486.

Graham, R. N.:

—Development of commercial sense needed, 125.

—Fitting the bus to its proper place, *371.

—Interurban service offers broad field for bus, *413.

Green, George R.:

—Master mechanics are working for progress, c957.

Harria, George H.:

—Buses and cara give co-ordinated local and express service. *607.

Harris, Robert:

—Car glass set in rubber tubing, *1095.

—Combination salt, aand and side wing car. 518.

Hearn, H. B.:
—Safe, clean and comfortable cars a first need, c249.

Heiges, F. D.:

—Modernizing work car equipment at Sait
Lake City, *697.

Herms, Charlie:
—Commutator bar spacing attachment for
alotting machine, *1091.

Holtzclaw, J. G.:

—How far should we go in "dressing up" atreet care? 833.

Horner, W. M. C.:

—Air brake requires proper installation and maintenance, 389.

Hoskins, George;
—More comforts added to Crimson Limited.
•246.

Jackson. Walter:

--Popular or mass transportation, c423.

Johnston, M., M.;

--Extensive annual track reconstruction done
by Connecticut Company, *691.

Kyle, C. A.:
—Tempering and resetting springs. *576.

Lambert, M. B.:

—Create the demand for modern street cars.

299.

Langan, T. R.:

—Traffic congestion editorially approved, c86.

Lindsay, A. M.:

—Economic methods of salvaging seat pedestals.

1005.

—Truck sanda bus routes, *688.

Love, Nelson R.:

—Headway recorder centralized in dispatcher's office at Denver, *419.

McAloney, W. H.:

—Atlanta devotes much attention to car appearance, c459.

McCabe, George K.:

—California motor transport shows declining profits, *866.

McDonald, H. P.:
—Motor coach maintenance, 545

McIrath, E. J.:

—Intent of Chicago traffic code explained, c957.

—Wise traffic regulations vital to modern communities, 619.

McMahon, C. B.:
—Clean, bright cars attract riders, c575.
—Judging maintenance by car failures, c698.

McRae, W. R.:

—Study car equipment with reference to appearance, comfort and convenience, 115.

McWhirter, J. S.:
—Clean cara hold patronage, *482.

McWhorter, A. D.:
—What constitutes a "Pull-in?" c128.

M

MacDonald, Jay:
—Clearing indicator assists one-man operator,
•912.

MacMurray, G. J.:
—Some of us would be homesick in Heaven.
•13.

Mariage, Paul:
—Increasing car speeds and rush-hour carrying capacity, *157.

Matthews, W. G.:
—Hazards of street work increasing, c957.

-Hazards of street work increasing, c957.

Mehren. Edward J.:

-American ideas at economic conference, 1022.

-Capitalism and communism at gripe in Geneva, 982.

-Conference recommends remedies, 1068.

-Pools and cartels summarized at Geneva, 1122.

-World clinic on economic Ill goes forward in Geneva, 933.

Meriwether, Richard:

-Making partners of our customers. *777.

Midgley, F. H.:
—Old rails used for railroad crossings. •1096.

Miller, John A., Jr.:

—Minority only benefits by parking, 256.

—Salety platforms aid traffic movement, *642.

Mitchell, John H.:

—It hits the nail on the head, c383.

Mitten, T. E.:
—Three classes of service, *36%

Muse, E. J.:

—The "Texas idea" in street car publicity, Myers, A. C.:
—Speedy and aitractive cars needed, c289.

Naquin, A. J.:

Overhauling on a 40,000 mile basis, 256.

Nash, L. R.:

Wide range of thinking on service at cost, c290.

Nelthammer, Dr. F.:
—Electric Railwaya of Czechoslovakia, •79.

Noah, B. G.:

New automatic substation for the Chicago Surface Lines, *863.

Neild, J. F.:
—Choice of alloy trolley wires, 1052.

Noonan, T. W.:
—Congestion relief with ds luxs coaches, *298. Norris, H. H.:
-Foreman conferences can help, c86.

O'Brien, R. M.;

—Hinged gasket boards conserve space, *1096.

—Tool and truck maintenancs parts board,

*913.

O'Shaughnessy, M. M.:
—\$3,500,000 for expansion of transportation facilities in San Francisco. •408.

Oswald, M. J.:

--Modernization of cars, 621.

Paimblade, R. F.:

—One man better than two. 580.

Palmer, E. A.:

—Increasing speed and comfort by modernization of equipment, 300.

Pforr, Wilhelm:
—Berlin carries out extensive car improvement program, *203, 243.

Plimpton, R. E.:
—The five fundamentals of co-ordination, *234.

Pontius, P. A.:

-Correct motor repairs keeps gear-center distance securate, *1080.

-Maintaining proper gear-center distances, *899.

Potter, Harold E.:

-Older cars should not contrast too greatly with recent purchases, c423.

Potter, R. R.:
—Cleaoliness a first requisite, c289.

Raymur, J. G.:

—The glory is Rome's, c1145.

Reddcrsen, Arthur W.:

—Air equipment tested in place on cars, •338.

Reed, E. D.:

—Bus and vehicle maintenance. *515.

Rexroth, A. F.:

-Weekly washing keeps care attractive, *341.

Richardson, G. A.:

—Further comments on Chicago bus proposal, c171.

Richey. Albert S.:
—Electric railway costs and fares in 1926. *28.

Ritchie, J. A.:

—Mr. Ritchie presents bus viewpoint, c52.

Mossell, W. T.:

-Agrees on need of Research Department,
-C742.

-Modern production methods may be applied
to maintenance work, 349.

Sarre, A. J.:

-Training electric railway employees for their jobs, 831.

Sawyer, W. H.:

-Community welfare demands transportation improvement, 830.

Or primary interest lies in the upbringing of our communities, 276,

President Sawyer commends Graham articles, c574.

Transportation a community problem, 387.

We are acquiring a new viewpoint, *123.

Schorn, Nich. J.:

—Further comments on Chicago bus proposal, c171.

Scott, Angus:

—Overhead fixtures inspected on a car-pass basis in Cleveland, *896,

System, 210.
Seligman, Edwin R. A.:
—Taxing the utility, 199.
Shaughnessy, T. H.:
—100 per cent operation, *492.

-100 per cent operation, *492.

Shoup, Paul:

-Mr. Shoup comments on Graham articles and bus experience, c821.

Smith, C. A.:

-Substantial economies obtained by use of treated timber, *455.

Smith. Dwight L.:

--Careful organization of force stimulates effort, *682.

--Electrical maintainers are not trouble men.
*511.

Smith, P. A.:
—Approves use of "popular" transportation, c383.

Smith. William J.:
—Improving sweeper brooms, *461.
Squires, J. H.:
—Wheel and axle maintenance at Atlanta, 255. Steward, H. M.:
—Snow-fighting methods revolutionized, *567.

Stier, G. H.:

--Carefyl inspection program gives good results, c339.

Stores Lucius S.:

—Public is getting better understanding of local transportation, 828.

—Transportation winning hardest business battle in history. *449.

T

Taurman, A.;
—Alemite lubrication for half-ball brake hangers, *914.

—Machine holds rails wblle welding compromise joiots, *1094.

Thompson, James:

—Causes of radio interference analyzed, 967.

Traiser, L. M.:

—Chleago extends construction of concrete loading platforms, *816.

-Plan schedule adjustments now for reduced summer riding, *807.

-Railways can take lead in reducing traffic congestion, *1128.

-Traffic signals fitted to complicated inter-sections, *901.

Vickers, Leslie:
—Gross net tax making progress, c383.

Walker, Frank B.:

—Base plate joint developed by Eastern Massachusetts Street Railway, *773.

Watkins. J. E.:
—Simplifying car inspection, *1105.

Westman, A. J.:
—Economics in power distribution, 1054.

Weyman, H. E.:

One-man fare collection on suburban and interurban railways, 1053.

Wheeler, W. C.:
—Chicago builds an improved snow plow, *286.

williams, H. S.:

—Aluminum covers for stanchlons, 615.

—A.E.R.E.A., research department proposed, ...c575,

Higher standards of maintenance will improve performance and reduce costs, *347.
 Simplifying lubrication of center bearings, *1092,

williams, O.;

—Pittsburgh's track repsir organization permits no delay to service, *495, withington, Sidney;

—Economics of railroad electrification, 1008.

Long electric trains not unusual, c86.

Wolfe, Jonsthan:

—Track maintenance, 618.

Wood, C. V.:

—Tests show Springfield car to be quiet in operation, c822.

Z

Zimmerman, Jesse M .:

-Cast bars not drop forged, c698.

—Methods and equipment for efficient assembling of commutators, *117.

—Preventing flashovers, *489.
—Soldering of railway motor commutators, *323.

-Turning and slotting commutators, *694

[Vol. 69

PERSONAL INDEX

(with biographical notes)

	· A	Doran, Neal S	Kerwin, George J	Robinson, Henry M. 637 Ross, W. E. 979 Rothery, George A. 100
	Ackerman, Martin *313 Ackers, Deane 593	Doran, Neal S. *758 Downs, W. Findlay 65 Druen, D. E. *759 Dye, Ernest R. 439	Kincade, C. A	Rothery, George A
	Ackers, Deane 593 Adait, Charles G. 361 Albert, J. E. 269		L	
	Adst. Charles G	E	Larkin, Robert C	Samuel James W. 458
	Allen, F. W	Elliott, J. Howard	Lincoln, E. H. 887	Sanders, Henry L 932, *1019 Schoenf W Kesley 837 *887
	Athinson, Harry Mr	Ely, Edwin Samuel 439 Emanuel, Victor 362 Ernsberger, Earl R. 635	Luclien, Ross E	Schreiber, Martin
	В	F	Larkin, Robert C. 988 Lincoln, E. H. 932 Linn, Marshall G. 887 Littig, H. M. 1119 Luellen, Ross E. 119 Lundberg, Alfred J. 1020 Lynch, F. C. 85 Lynn, Albert M. 721	Sell, Claude L
	Bagley, Arthur T 1020 Balley, Rufus W	Fageol F. B		Senter, R. T
	Baker, William H 675 Baldwin, George J 476	Farrand, Dudley 476 Fennell, D. L 186, •758	Me	Siegmann, Richard 886 Sindeband, Maurice L 597
	Bath, Albert	Fageol, F. R. 935 Farrand, Dudley 476 Fennell, D. L. 186, °758 Ferguson, George E. 439 Finlay, W. S. Jr. 9187 Fischer, A. L. 187 Fitzpatrick, J. R. 1161 Foster, Joseph T. 1161 Foster, William W. 981 Frazee, W. M. 920 Freeman, Frank T. 504	McAloney, W. H	Slingluff, Eugene 638 Sloan Matthew S
	Becht, Alfred J	Fischer, A. L	McDellan, 1008 D 527	Smith, Charles E 885 Smith, Del A
	Blake, Henry W	Foster, William W	M	Smith, Harry M
	Boiselle, Raymond 1066	Freeman, Frank T 504	Mackingon, Lachlan 400 MacRae, W. A 289	Smith, Howard W
	Bourke, Lionel J	G	Maltby, George E	Starms Russell R 90 6834
	Bradley, Luke C. 313 Brainerd, Ezra 401	Gadsby, G. M 845	Mariage, Pierre 227 Marshall, Andrew 593	Stenger, Ernest
	Brainerd, Ezra, Jr 361 Brennan, Francis J 556	Garvin, Ray W	Mehren, Edward J 675 Meister H O K	Samuel, James W. 476 Sanders, Henry L. 932, *1919 Schoepf, W. Kesley 837, *887 Schreiber, Martin 160 Seiler, Paul W. 226 Sell, Claude L. *100 Semrad, Charles A. 674 Senter, R. T. *1067 Shappert, Frank W. 844 Siegmann, Richard 886 Sindeband, Maurice L. 597 Skelding, A. B. 675 Slingluff, Eugene 638 Sloan, Matthew S. 844 Smith, Charles E. 885 Smith, Del A. 438 Smith, Henry W. 227 Smith, Howard W. 759 Smodgrass, W. L. 721 Spencer, C. G. 675 Stanley, John J. 1021 Stearns, Russell B. 99, 634 Steager, Ernest 1021 Stellight, Ernest E. 758 Storrs, Lucius S. 1020 Sullivan, Francis X. 594
	Bronsdon, M. H	Gnevo, T. F	Merrill, John J. 280 Meyer, Henry J. 288	. т
	Brown J. P. W. 750	Gadsby, G. M. 845 Gadsden, Philip H. 228, 844 Garvin, Ray W. 1020 Giles, Carl C. 885 Gevo, T. F. 314 Goodwillie, David H. 401 Goucher, Edwin P. 313 Green, George R. 386 Grigg, James Ashton 799 Grimes, E. G. 759 Groner, Powell C. *757	Miles, Lovic P	
	Brown, Nelson T. 721 Brumbaugh, A. K. 847	Greig, James Ashton 799 Grimes, E. G 759	Mills, Frank M	Taurman, A
	Bagley, Arthur T. 1020 Bailey, Rufus W. °757 Baker, William H. 675 Baldwin, George J. 476 Ball, Albert 635 Bath, Albert 362 Baurhenn, Louis P. 106 Becht, Alfred J. 314 Bernhold, E. C. 1019 Blake, Henry W. 314 Bland, Arthur 721 Blunk, Adolf 634 Boschert, L. M. 9769 Bourke, Lionel J. 644 Boyle, Samuel G. 1162 Bradley, Luke C. 313 Brainerd, Ezra 461 Brainerd, Ezra 461 Brennan, Francis J. 556 Brewster, Neal 439 Bronsdon, M. H. 187 Brosseau, A. J. 844 Brown, J. P. W. 759 Brown, J. P. W. 756 Brown, Neison T. 721 Brumbaugh, A. K. 847 Brouf, Brauf, A. 847 Bround, H. 187 Brown, Neison T. 721 Brumbaugh, A. K. 847 Bruffe, Fred G. 9758 Bullen, Harry 400 Burchard, Anson Wood 9227	Groner, Powell C	Mitten, Dr. A. A	Thayer, Edwin F
	Burke, Walter H 438. *874	u	Mackinnon Lackinnon MacRae W. A. Maltby George Maltby George Mazy O. C. Mazy Sep Maraball Andrew May Kenneth May Kenneth Mehren Edward Mehren Edward Meister H. O. Merrill John Meyer Henry Meles Lovic Pand Miller Thomas 634 Mille Frank Mitten Clareace Mitten Clareace Mitten Clareace Mitten Total Moore David Myers W. K. *1087 1181	Taurman A. '208 Taurman A. '1090 Taylor. W. H. 146 Thayer, Edwin F. 99 Thorney, C. Edward 187 Towle, George C. 147 Townsend, Alfred S. *874 Tripp, Guy E. *1022 Tuohy, Herbert 798
B	Butler, L. E	Hale, A. A. 1066 Hamerstrom, Burt 885 Hamilton, Fred 313 Hand, S. H. 401 Harder, J. A. 9759 Harrington, Michael 693 Harvey, A. E. 9758 Harvie, William J. 227 Heckmau, Wallace 594 Helm Jnseph J. 594	N	Tuohy, Herbert 799
	o	Hamilton, Fred		, A
	Campbell, Marcus L *888	Harrington, Michael 693	Nary, William T. 721 Neal, R. S. 759 Nelson, Major Samuel L. 676 Noah, B. G. *789 Nolan, Fred A. 226 Noonan, Victor T. 886	Van Aradel, E
	Carney, George J. 721 Carr, C. E. A. 147 Carr, Charles L. 757	Harvie, William J. 227 Heckman Wallace 594	Nolan, Fred A	Van Aradel, E. *475 Vaughan, R. M. 401 Victorson, E. E. 593
	Chance, Col. Edwin M 65	Heim, Juseph J. 594 Henry, Charles L. *845, 228 Holmes, Edward W. 759 Holstock, William E. 981 Huntington, Henry E. *981 Hustis, James H. 99, *186		w
	Clark, Edwin	Holmes, Edward W	Oglebay, G. J 475	Walker, Edwin M65, *101
	Carr Charles L. "757 Carson, I. R. "759 Chance, Col. Edwin M. 65 Cheever, R. R. 314 Clark, Edwin 401 Clark, Le Roy 1021 Clifford, Genrge H. 438, "674 Cloyd, Hardy H. "758 Cobban, H. B. "1161 Coleman, Jilson J. 675 Collins, Emerson 266	Hustis, James H	Oglebay, G. J	Walker, Samuel 269 Warner, Arthur T 100
	Coleman, Jilson J	x		Wells, Ray J
	Conway, Herbert E	In Memoriam 980	P Pasche, William*844	Weyman, H. E
	Corns, O. G	Irelan, S. B	Paterson, A. B 844 Patterson, George E	Whitemore, Joseph D 360
	Collins, Emerson 269 Collins, Emerson 269 Couway, Herbert E. **654 Cornell, J. D. **753 Corns, O. G. 146 Cortelyou, George B. 1019 Coult, Judge Joseph 1021 Cox. S. H. 401 Cummins, A. S. 146	, r	Payette, Hazen J	Wilson C. L
	Cummins, A. S 146	James, G. W., Jr 147	Pascne, William	Walker, Edwin M. 65, *101 Walker, Samuel 269 Warner, Arthur T. *100 Weidman, C. O. 1066 Wells, Ray J. 1119 Welsh, G. W. *635 Weyman, H. E. *1086 Whiteside, E. B. 401 Whitney, Howard R. 360, *400 Whitemore, Joseph D. 360 Wills, Gerry S. 556 Wilmot, J. E. *566 Wilson, C. L. 556 Wood, W. E. 313, *439 Woodcock, Floyd W. 85
	D	James, G. W., Jr. 147 Jamieson, R. E. 314 Jenkins, Thomas M. 289	11001, 001. 11. 0 209	Woodcock, Floyd W 85
	Dalrymple, James *64.187 Davis, E. W. 1066 Day, Charles 65 Day, Henry S. 11.61 Dean, Morton H. *594 Dierken, Joseph H. 313 Divon Alves 147		R	Young Owin D 1112 1110
	Day, Henry S	Kaln Civie F 022	Ready, Lester 8. 361 Reed, Judge James H. *1162 Reid Harry 146, 475, *1020 Reid, S. H. *1119 Ritchie, John A. 226 Robb, Russell 362	Young, Owen D1113, 1119
	Dierken, Joseph H. 313 Dixon, Alves 147 Doherly, Henry L. 549	Kalp, Clyde F. 932 Kasemeier, A. L. *1619 Kelley, Edward F. *360 Kelay G. H. 1169	Reid, S. H	7
	Doherty, Henry L 549	Kelsay, G. H	Rohb, Russell 382	Zimmermann, John E 85