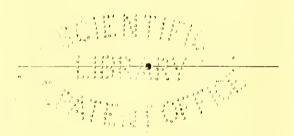
## Street Railway Journal.

## INDEX TO VOLUME XXI.



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## INDEX TO VOLUME XXI.

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| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in  Fuse Blocks, Single Branch (Johns-Manville)  Fuse, for Motors (Westinghouse)  —Sparklet (Elliott)  Fuel Oil: In California | 952<br>*45<br>*273<br>*533<br>, 307   | shon] *833  — (See also Polyphase Motors.) Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455 Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758   | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>21   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill) Friction Clutches, Use of Cork in Fuse Blocks, Single Branch (Johns-Manville) Fuse, for Motors (Westinghouse) —Sparklet (Elliott) Fuel Oil: In California      | 952<br>*45<br>*273<br>*533<br>, 307<br>*563   | shon] *833  — (See also Polyphase Motors.) Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455 Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>21<br>53   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in  Fuse Blocks, Single Branch (Johns-Manville)  Fuse, for Motors (Westinghouse)  —Sparklet (Elliott)  Fuel Oil: In California | 952<br>*45<br>*273<br>*533<br>, 307<br>*563   | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzen-  | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>99<br>74   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill) Friction Clutches, Use of Cork in Fuse Blocks, Single Branch (Johns-Manville) Fuse, for Motors (Westinghouse) —Sparklet (Elliott) Fuel Oil: In California      | 952<br>*45<br>*273<br>*533<br>, 307<br>*563   | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516   | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>99<br>74   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in   | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343  | shon] *833  —(See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  —Advertising (see Traffic Advertising.)  —Appleyard Syndicate System *728, *758  —Block Signal for (see Block Signals.)  —Car Despatching (see Despatching Cars.)  —Effect of Terminals on Business 614  —Engineering Preliminaries for [Gonzenbach] *270, 406, 448, *484, *516  — Editorials on 341, 397, 500   | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>99<br>74<br>19<br>51<br>46   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in  Fuse Blocks, Single Branch (Johns-Manville)  Fuse, for Motors (Westinghouse)  —Sparklet (Elliott)  Fuel Oil: In California | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343  | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>99<br>74<br>19<br>51<br>46   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in   | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297   | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206   | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>99<br>51<br>46<br>61<br>34   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in   | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848   | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *270, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579   | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>74<br>19<br>51<br>46<br>61<br>34   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in  Fuse Blocks, Single Branch (Johns-Manville)  Fuse, for Motors (Westinghouse)  —Sparklet (Elliott)  Fuel Oil: In California | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381   | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  | Fresno, Cal. (Brill) *57  —Polyphase, used in Germany. *77  — Valtellina Three-Phase Railway*664, 77  — Wiring Diagram, Wollersdorf, Germany [Vellguth] *33  —(Taunton) *88  —on Western Railway of France. *31  London: County Council Tramway, Opening of. \$17, *83  —Letter. 53, 244, 385, 538, 681, 83  —Metropolitan Railway, Car Equipment of. *67  — Organization of. 77  Los Angeles: Franchises in 574, 688, 778, 99  —Floats in *88  —Fly-Wheel Accident in *57  — [Boehm] 66  —Interurban Railway, Organization of. 93  —Non-Strikers' Loyalty rewarded in 78   | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>74<br>19<br>51<br>46<br>61<br>34   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill) Friction Clutches, Use of Cork in Fuse Blocks, Single Branch (Johns-Manville) Fuse, for Motors (Westinghouse) —Sparklet (Elliott) Fuel Oil: In California      | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884   | shon] *833  —(See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  —Advertising (see Traffic Advertising.)  —Appleyard Syndicate System *728, *758  —Block Signal for (see Block Signals.)  —Car Despatching (see Despatching Cars.)  —Effect of Terminals on Business 614  —Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  —Estimating Earnings of Projected 645  —Fayette to Chamonix, Switzerland *206  —Freight Earnings on 228, 579  —Freight Terminal Facilities 861  —near Indianapolis *141  | Fresno, Cal. (Brill) *57  —Polyphase, used in Germany. *77  — Valtellina Three-Phase Railway. *664, *77  — Wiring Diagram, Wollersdorf, Germany [Vellguth] *33  —(Taunton) *88  —on Western Railway of France. *31  London: County Council Tramway, Opening of. \$17, *83  —Letter. 53, 244, 385, 538, 681, 83  —Metropolitan Railway, Car Equipment of. *67  — Organization of. 77  Los Angeles: Franchises in. 574, 688, 778, 93  —Floats in. *83  —Fly-Wheel Accident in. *55  — [Boehm] *66  —Interurban Railway, Organization of. 93  —Non-Strikers' Loyalty rewarded in. 78  —Pacific Railway & Light Company, Car  | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>99<br>51<br>46<br>61<br>34<br>51<br>80   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill) Friction Clutches, Use of Cork in  | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381   | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  — near Indianapolis *141  — in Iowa, Comments on 894  | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>74<br>51<br>46<br>61<br>34<br>51<br>80   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in   | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884   | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric  [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  — near Indianapolis \$141  — in Iowa, Comments on 894  — Ownership and Operation of, by Steam  | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>53<br>99<br>74<br>51<br>61<br>34<br>51<br>80<br>41   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in  Fuse Blocks, Single Branch (Johns-Manville)  Fuse, for Motors (Westinghouse)  —Sparklet (Elliott)  Fuel Oil: In California | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884   | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *270, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  — near Indianapolis *141  — in Iowa, Comments on 894  — Ownership and Operation of, by Steam  Roads 205   | Fresno, Cal. (Brill) *57  —Polyphase, used in Germany. *77  — Valtellina Three-Phase Railway*664, *78  — Wiring Diagram, Wollersdorf, Germany [Vellguth] *33  —(Taunton) *88  —on Western Railway of France. *33  London: County Council Tramway, Opening of \$17, *83  —Letter   | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>74<br>51<br>46<br>61<br>34<br>51<br>80   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in  Fuse Blocks, Single Branch (Johns-Manville)  Fuse, for Motors (Westinghouse)  —Sparklet (Elliott)  Fuel Oil: In California | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884<br>19   | shon] *833  —(See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  —Advertising (see Traffic Advertising.)  —Appleyard Syndicate System *728, *758  —Block Signal for (see Block Signals.)  —Car Despatching (see Despatching Cars.)  —Effect of Terminals on Business 614  —Engineering Preliminaries for [Gonzenbach] *270, 406, 448, *484, *516  — Editorials on 341, 397, 500  —Estimating Earnings of Projected 645  —Fayette to Chamonix, Switzerland *206  —Freight Earnings on 2228, 579  —Freight Terminal Facilities 861  —near Indianapolis *141  —in Iowa, Comments on 894  —Ownership and Operation of, by Steam Roads 205  —Present Practice in [Brigden] 295   | Fresno, Cal. (Brill) *57  —Polyphase, used in Germany. *77  — Valtellina Three-Phase Railway. *664, *78  — Wiring Diagram, Wollersdorf, Germany [Vellguth] *33  —(Taunton) *88  —on Western Railway of France. *31  London: County Council Tramway, Opening of. \$17, *83  —Letter. 53, 244, 385, 538, 681, 83  —Metropolitan Railway, Car Equipment of. *67  — Organization of. 77  Los Angeles: Franchises in. 574, 688, 778, 93  —Floats in. *88  —Fly-Wheel Accident in. *57  — [Bochm] *68  —Interurban Railway, Organization of. 93  —Non-Strikers' Loyalty rewarded in. 78  —Pacific Railway & Light Company, Carfor *99  —Railway Terminal. 11  —Traction Company, Sale of. 66  Louisville, Ky.: Annual Report of Railway   | 36<br>94<br>54<br>86<br>14<br>53<br>99<br>51<br>46<br>61<br>51<br>80<br>41<br>85   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill) Friction Clutches, Use of Cork in Fuse Blocks, Single Branch (Johns-Manville) Fuse, for Motors (Westinghouse) —Sparklet (Elliott) Fuel Oil: In California      | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884   | shon] *833  —(See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  —Advertising (see Traffic Advertising.)  —Appleyard Syndicate System *728, *758  —Block Signal for (see Block Signals.)  —Car Despatching (see Despatching Cars.)  —Effect of Terminals on Business 614  —Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  —Estimating Earnings of Projected 645  —Fayette to Chamonix, Switzerland *206  —Freight Earnings on 2228, 579  —Freight Terminal Facilities 861  —near Indianapolis *141  —in Iowa, Comments on 894  —Ownership and Operation of, by Steam Roads 205  —Present Practice in [Brigden] 295   | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>21<br>53<br>74<br>19<br>51<br>46<br>61<br>34<br>51<br>80<br>41<br>60<br>85   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in   | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884<br>19<br>58   | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  — near Indianapolis *141  — in Iowa, Comments on 894  — Ownership and Operation of, by Steam Roads 205  — Present Practice in [Brigden] 295  — Proposed in Illinois 200   | Fresno, Cal. (Brill) *57  —Polyphase, used in Germany. *78  — Valtellina Three-Phase Railway. *664, *78  — Wiring Diagram, Wollersdorf, Germany [Vellguth]. *33  —(Taunton) *88  —on Western Railway of France. *31  London: County Council Tramway, Opening of. \$17, *89  —Letter. 53, 244, 385, 538, 681, 88  —Metropolitan Railway, Car Equipment of. *60  *77  — Organization of. 77  Los Angeles: Franchises in. 574, 688, 778, 98  —Floats in. *89  —Fly-Wheel Accident in. *50  — [Boehm] c66  —Interurban Railway, Organization of. 98  —Non-Strikers' Loyalty rewarded in. 78  —Pacific Railway & Light Company, Carfor *99  —Railway Terminal. 10  —Traction Company, Sale of. 66  Louisville, Ky.: Annual Report of Railway Relief Association 29  —Holding Company organized. 95   | 36<br>94<br>54<br>86<br>14<br>53<br>99<br>51<br>46<br>61<br>51<br>80<br>41<br>85   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in   | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884<br>19   | shon] *833  —(See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  —Advertising (see Traffic Advertising.) —Appleyard Syndicate System *728, *758  —Block Signal for (see Block Signals.) —Car Despatching (see Despatching Cars.) —Effect of Terminals on Business 614 —Engineering Preliminaries for [Gonzenbach] *270, 406, 448, *484, *516 —Editorials on 341, 397, 500 —Estimating Earnings of Projected 645 —Fayette to Chamonix, Switzerland *206 —Freight Earnings on 228, 579 —Freight Terminal Facilities 861 —near Indianapolis *141 —in Iowa, Comments on 894 —Ownership and Operation of, by Steam Roads 205 —Present Practice in [Brigden] 295 —Proposed in Illinois 200 —Relation of, to Steam Roads [Wyly] 193 —Southern Ohio Improvements *172 —Through Travel on 756  | Fresno, Cal. (Brill) *57  —Polyphase, used in Germany. *77  — Valtellina Three-Phase Railway*664, *78  — Wiring Diagram, Wollersdorf, Germany [Vellguth] *33  —(Taunton) *88  —on Western Railway of France. *33  London: County Council Tramway, Opening of. \$17, *83  —Letter  | 36<br>94<br>54<br>86<br>14<br>53<br>74<br>51<br>46<br>61<br>61<br>60<br>85<br>41   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in  Fuse Blocks, Single Branch (Johns-Manville)  Fuse, for Motors (Westinghouse)  —Sparklet (Elliott)  Fuel Oil: In California | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884<br>19<br>58<br>*736                                       | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric  [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  — near Indianapolis *141  — in Iowa, Comments on 894  — Ownership and Operation of, by Steam Roads 205  — Present Practice in [Brigden] 295  — Proposed in Illinois 200  — Relation of, to Steam Roads [Wyly] 193  — Southern Ohio Improvements *172   | Fresno, Cal. (Brill) *57  —Polyphase, used in Germany. *77  — Valtellina Three-Phase Railway*664, 77  — Wiring Diagram, Wollersdorf, Germany [Vellguth] *33  —(Taunton) *88  —on Western Railway of France. *31  London: County Council Tramway, Opening of. \$17, *83  —Letter   | 36<br>94<br>54<br>86<br>14<br>53<br>99<br>51<br>46<br>61<br>34<br>51<br>80<br>41<br>60<br>85   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in   | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884<br>19<br>58<br>*736                                       | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  — near Indianapolis *141  — in Iowa, Comments on 894  — Ownership and Operation of, by Steam Roads 205  — Present Practice in [Brigden] 295  — Proposed in Illinois 200  — Relation of, to Steam Roads [Wyly] 193  — Southern Ohio Improvements *172  — Through Travel on 756  — Waiting Stations on 224  — for Western Pennsylvania 249  | Fresno, Cal. (Brill) *57  —Polyphase, used in Germany. *77  — Valtellina Three-Phase Railway. *664, *78  — Wiring Diagram, Wollersdorf, Germany [Vellguth] *33  —(Taunton) *88  —on Western Railway of France. *31  London: County Council Tramway, Opening of. \$17, *83  —Letter. 53, 244, 385, 538, 681, 83  —Metropolitan Railway, Car Equipment of. *67  — Organization of. 77  Los Angeles: Franchises in. 574, 688, 778, 93  —Floats in. *88  —Fly-Wheel Accident in. *57  — [Boehm] *66  —Interurban Railway, Organization of. 93  —Non-Strikers' Loyalty rewarded in. 77  —Pacific Railway & Light Company, Carfor *99  —Railway Terminal 10  —Traction Company, Sale of. 66  Louisville, Ky.: Annual Report of Railway Relief Association 2  —Holding Company organized 99  —Proposed Interurban Lines at 1  Lubrication, Cost of. 77  —Steel Wool as an Aid in. 95   | 36<br>94<br>54<br>86<br>14<br>53<br>99<br>74<br>19<br>51<br>61<br>34<br>51<br>80<br>41<br>60<br>85<br>49<br>19<br>65   |
| Fresno, Cal., Heavy Freight Locomotive for (Brill) Friction Clutches, Use of Cork in Fuse Blocks, Single Branch (Johns-Manville) Fuse, for Motors (Westinghouse) —Sparklet (Elliott) Fuel Oil: In California      | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884<br>19<br>58<br>*736                                       | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  — near Indianapolis *141  — in Iowa, Comments on 894  — Ownership and Operation of, by Steam Roads 205  — Present Practice in [Brigden] 295  — Proposed in Illinois 200  — Relation of, to Steam Roads [Wyly] 193  — Southern Ohio Improvements *172  — Through Travel on 756  — Waiting Stations on 254  — for Western Pennsylvania 249  Interstate Railway Company's Holdings 56  | Fresno, Cal. (Brill) *57  —Polyphase, used in Germany. *77  — Valtellina Three-Phase Railway. *664, *78  — Wiring Diagram, Wollersdorf, Germany [Vellguth] *33  —(Taunton) *88  —on Western Railway of France. *31  London: County Council Tramway, Opening of. \$17, *83  —Letter. 53, 244, 385, 538, 681, 83  —Metropolitan Railway, Car Equipment of. *67  — Organization of. 77  Los Angeles: Franchises in. 574, 688, 778, 93  —Floats in. *88  —Fly-Wheel Accident in. *57  — [Boehm] *66  —Interurban Railway, Organization of. 93  —Non-Strikers' Loyalty rewarded in. 77  —Pacific Railway & Light Company, Carfor *99  —Railway Terminal 10  —Traction Company, Sale of. 66  Louisville, Ky.: Annual Report of Railway Relief Association 2  —Holding Company organized 99  —Proposed Interurban Lines at 1  Lubrication, Cost of. 77  —Steel Wool as an Aid in. 95   | 36<br>94<br>54<br>86<br>14<br>53<br>99<br>74<br>61<br>61<br>63<br>41<br>60<br>85<br>49<br>19<br>65<br>80<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>2  |
| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in   | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884<br>19<br>58<br>*736<br>416<br>810<br>308<br>*359          | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  — near Indianapolis *141  — in Iowa, Comments on 894  — Ownership and Operation of, by Steam Roads 205  — Present Practice in [Brigden] 295  — Proposed in Illinois 200  — Relation of, to Steam Roads [Wyly] 193  — Southern Ohio Improvements *172  — Through Travel on 756  — Waiting Stations on 254  — for Western Pennsylvania 249  Interstate Railway Company's Holdings 56  Iowa: Electric Railway Building in 575  | Fresno, Cal. (Brill) *57  —Polyphase, used in Germany. *77  — Valtellina Three-Phase Railway. *664, *78  — Wiring Diagram, Wollersdorf, Germany [Vellguth] *33  —(Taunton) *88  —on Western Railway of France. *31  London: County Council Tramway, Opening of. \$17, *85  —Letter. 53, 244, 385, 538, 681, 86  —Metropolitan Railway, Car Equipment of. *66  — Organization of. 77  Los Angeles: Franchises in. 574, 688, 778, 96  —Floats in. *88  —Fly-Wheel Accident in. *57  — [Bochm] *66  —Interurban Railway, Organization of. 96  —Non-Strikers' Loyalty rewarded in. 77  —Pacific Railway & Light Company, Carfor *99  —Railway Terminal. 10  —Traction Company, Sale of. 66  Louisville, Ky.: Annual Report of Railway Relief Association 29  —Holding Company organized. 99  —Proposed Interurban Lines at. 11  Lubrication, Cost of. 77  —Steel Wool as an Aid in. 99  Lubricant, Petroleum as [Parrish]. 7  | 36<br>94<br>54<br>86<br>14<br>53<br>99<br>74<br>61<br>61<br>63<br>41<br>60<br>85<br>49<br>19<br>65<br>80<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>2  |
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| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in   | 952<br>*45<br>*273<br>*533<br>, 307<br>*563<br>343<br>560<br>679<br>297<br>*848<br>*381<br>*884<br>19<br>58<br>*736<br>416<br>810<br>308<br>*359          | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *226, 579  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  — near Indianapolis *141  — in Iowa, Comments on 894  — Ownership and Operation of, by Steam Roads 205  — Present Practice in [Brigden] 295  — Proposed in Illinois 200  — Relation of, to Steam Roads [Wyly] 193  — Southern Ohio Improvements *172  — Through Travel on 756  — Waiting Stations on 254  — for Western Pennsylvania 249  Interstate Railway Company's Holdings 56  Iowa: Electric Railway Building in 575  — Interurban Railways in 894  — Railroad Commissioners' Report 810   | Fresno, Cal. (Brill)  | 36<br>94<br>54<br>86<br>14<br>53<br>99<br>74<br>61<br>61<br>63<br>41<br>60<br>85<br>49<br>19<br>65<br>80<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>2  |
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| Fresno, Cal., Heavy Freight Locomotive for (Brill)  Friction Clutches, Use of Cork in   | 952 *45 *273 *273 *533 , 307 *563 343  560 679 297 *848 *381 *884 19 58 *736 416 810 308 *359 c*420 *232 656  | shon] *833  — (See also Polyphase Motors.)  Insulators, Third Rail on Aurora, Elgin & Chicago Railway (Gonzenbach) *455  Interurban Railways: A Decade of Electric [Bell] 324  — Advertising (see Traffic Advertising.)  — Appleyard Syndicate System *728, *758  — Block Signal for (see Block Signals.)  — Car Despatching (see Despatching Cars.)  — Effect of Terminals on Business 614  — Engineering Preliminaries for [Gonzenbach] *370, 406, 448, *484, *516  — Editorials on 341, 397, 500  — Estimating Earnings of Projected 645  — Fayette to Chamonix, Switzerland *206  — Freight Earnings on 228, 579  — Freight Terminal Facilities 861  — near Indianapolis *141  — in Iowa, Comments on 894  — Ownership and Operation of, by Steam Roads 205  — Present Practice in [Brigden] 295  — Proposed in Illinois 200  — Relation of, to Steam Roads [Wyly] 193  — Southern Ohio Improvements *172  — Through Travel on 756  — Waiting Stations on 254  — for Western Pennsylvania 249  Interstate Railway Company's Holdings 56  Iowa: Electric Railway Building in 575  — Interurban Railways in 894  — Railroad Commissioners' Report 810  Italy: Electric Railway Systems of [Vell-guth] *357   | Fresno, Cal. (Brill)  | 36   |
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