Thirty-Sixth Volume-From January, 1943, to December, 1943

General Index

[Illustrated articles are indicated thus*. Editorials are indicated thus†]

Accidents:		James G. Biddle Company:		Charge Control Relay:	
Annual highway conference at Uni-		Insulation tester	*610	General Railway Signal Co. an-	
versity of Michigan At Wayland, N. Y., on D. L. & W		Issues bulletin No. 1735 describing "Megger" insulation testers	554	nounces addition of size-2, two	
Bureau of Safety annual report		Megger insulation testers now made		Charts:	
Head-on collision on C. R. I. & P.		in U.S.A		Speed conversion	*154
at Tie Plant, Ark		Birmingham Terminal Company:		Chesapeake & Ohio:	
Head-on collision on M-K-T near		All-relay interlocking in Birming-	+0=0	Construction	552
Tebbetts, Mo Head-on collision on St. LS. F. at		ham, Ala., installed by Block Signaling:	*603	Chicago & North Western: Installs gates at three crossings	*97
Marionville, Mo		Installed on the Wabash	*521	Report on rear-end collision in Dixon,	
I.C.C. report on C. M. St. P. & P.		Bonding:		Ill.	
sideswiping collision at Warden,		Is ever with us	†545	Chicago, Burlington & Quincy:	
Wash.		Boston & Albany:	101	Construction	494
Iowa highway grade crossing On A. T. & S. F. at Gallup, N. M		Construction	494	Continuously coded local line wire signal control circuits on	
On I. C. at 63rd Street station,		Construction328,	494	Installs C. T. C. on 39 miles	
Chicago		Buda Company:		Installs new westbound classification	
On Seaboard at Garlington, S. C	471	Issues bulletin No. 1145 describing		yard at Galesburg, Ill	*301
On U. P. at Moapa, Nev	*99	the new F2 Model B inspection		Chicago, Milwaukee, St. Paul & Pacific:	
Rear-end collision on C. & N. W. in Dixon, Ill		Motor car with new features	*611	Centralized traffic control installed	
Rear-end collision on S. P. at Cas-		Bureau of Safety, I.C.C.:	.011	Crossing protection in Minneapolis, Minn., on	*659
malia, Cal		Annual report	101	I. C. C. report on sideswiping colli-	000
Report by Bureau of Safety, I.C.C.,		Report on accident on C. C. &		sion at Warden, Wash	548
on the C. C. C. & St. L. at Ash-		St. L. at Ashmore, Ill	*39	Chicago, Rock Island & Pacific:	
more, Ill	*39	Report on accident on the U.P. at	*00	Head-on collision near Tie Plant, Ark.	488
Africa: Railroading with army in	*500	Moapa, Nev	*99	Construction Terminal Company:	552
Alarm Switch:	000	Press-on wire lug	*323	Construction	332
Designed for instrument cases and		riess-on wife rug	540	Change-over	+319
housings used in signaling sys-		C		Progress in use of coded track	1264
tems	*611	C	*	Reversing for crossing bell	*266
All-Relay Interlocking:		Cables:		Transportation of	*326
Installed by Birmingham Terminal	+010	Life extended by paint protection	215	Classification Yards:	+004
Co., at Birmingham, Ala		Cab Signal: Improved or maintainer horn	* 6 1 9	Burlington installs at Galesburg, Ill. Cleveland, Cincinnati, Chicago & St.	*301
terlocking	*409	Cab Signaling:	-019	Louis:	
Aluminum Company of America:	100	U. S. & S. amplifier for	*436	Construction	272
Booklet, "Welding and Bracing Alcoa		Cab Signal Magnet:		Head-on collision at Ashmore, Ill	*39
Aluminum"	168	U. S. & S., with whistle assembly	*614	Coded Carrier Repeater:	
Annunciator Bell:		Cab Signal or Maintainer Horn:		Developed by Union Swith & Signal	
Compact single-stroke bell	*615	Electrically operated to call main-	****	Co	*612
Approved52, 112, 166, 222, 276,		tainer at outlying locations Cab Signal Tests:	*613	Coded C. T. C. and Carrier Control:	****
332, 388, 442, 496, 554, 622,	682	Made on the turntable	*605	General Railway Signal Co Coded Local Line Wires:	*615
Denied		Canadian National:	000	Signal Control circuits on C. B. & Q.	*538
Approach Locking:		Installs a large all-relay electric		Coded Track Circuits:	0.00
Compared to time locking	†153	interlocking	*355	Controls five-aspect signaling on	
Association of American Railroads:		Canadian Pacific:	0.70	N. Y. N. H. & H.	
Bulletin on crossing signal stand-	*205	Construction	2.12	Economy of primary battery	
Estimates ton-mile 18 per cent above		Carrier Control: G. R. S., new coded C. T. C. and	*615	Progress in the use of	1204
last year		Carriers:	010	Continuous, scheme on C. B. & Q. to	
No annual meeting of Signal Section		For distilled water	*108	use two line wires to carry	*538
in 1943	442	Centralized Traffic Control:		Communication:	
Signal Section elects officers for 1943		At sidings of different importance		Used on one train or between trains	*665
Signal Section committee reports-	*501	Field station disconnect	*608	Construction:	
Work during war Telegraph and Telephone Section	*581	G. R. S., new coded and carrier con- trol	*615	D. & R. G. W. to spend \$3,171,588 for	47
elects officers for 1943		Installed by N. C. & St. L. on 43	010	Signal, increased in 1942	
Telegraph and Telephone Section		miles	*647	Telephone and telegraph in 1942	
select new officers		Installed on the Milwaukee	*210	Continuous Codes:	
Atchison, Topeka & Santa Fe:		Installed on the Virginian	*90	Scheme on C. B. & Q. to use two line	
Accident at Gallup, N. M., on		Installed on 39 miles of the Burling- ton	*100	wires to carry	*538
Automatic Block Signaling:	434	Intermediate signals depend on	130	Conservation of	*106
Installed on the Wabash	*521	traffic	*269	Control Panels for Crossing Signals:	100
Automatic Electric Company:		Junction and a crossing included on		Developed by Peerless Manufactur-	
Dispatchers telephone	*614	the M. P. between Van Buren,		ing Corp	*608
Automatic Signaling:	*0.47	Ark. and Ft. Smith	*28	Convention in Print:	
Modernized on N. Y. C	*241	Lap sidings in	1673	Reports of committees of Signal Sec-	*=00
n		L. & N. installs on 26 miles of single track	*524	work of Signal Section during war	*582
D		N. Y. C. & St. L. installs on busy	044	time	*581
Baltimore & Ohio:		sections of single track	*364	Copperweld Steel Company:	
Construction	494	N. & W. installs on 14 miles of sin-		Announced changes in staff	622
Batteries:	2101	gle track		Corning Glass Works:	
Housings for	105	On B. & L. E	*81	Bulletin on Multiform Insulators	222
Low temperature	*324	On 107 miles single-track on Rio Grande	*416	Covers: For pipe carrier rollers	*604
Plastic retainer, Electric Storage Bat-	021	Provide batteries to maintain opera-	110	Crossing Bell:	004
tery Co		tion for at least 24 hours on		Reversing circuit for	*266
Battery Elements:		project	546	Crossing Protection:	
Conserving as applied to primary		Seaboard installs on 64.6 miles	*256	Accidents	415
battery Batterv Retainer:	43	Speeds war traffic on 80.5 mile sec-	**111	At ten crossings in Bay Shore, L. I.,	*10.
Plastic	323	U. P. installs on 175 miles of single	144	on Long Island R. RGrade separation and interlocking on	*481
Bells:		track	*472	N. Y. C. at Herkimer, N. Y	*467
G.R.S compact single-stroke	*615	Central R. R. of New Jersey:		Installed in Minneapolis, Minn., on	
Bessemer & Lake Erie:		Golden anniversary of electric sema-		C. M. St. P. & P	*659
Centralized traffic control	*81	phore signal	*197	Signals for safety, by L. C. Heilman	*485

Pacific Electric Railway:

All-relay interlocking *409 Construction 222

tion"
Nitralloy Corporation has published
the first edition of a booklet
entitled "Hardness"

682

tion'

Quick Reference to Feature Articles

Construction

Wrench:
G. E. ratchetless ratchet *440

Bessemer & Lake Erie*81	Illinois Central*66	Pacific Electric Railway *409
Birmingham Terminal Company*652	Long Island Railroad*481, *60	Peoria & Pekin Union *135
Canadian National *355	Louisville & Nashville*52	4 Reading*600
Chicago & North Western*97 Chicago, Burlington & Quincy*	Missouri Pacific*2	Seaboard Air Line*256
*198, *301, *538		7 Southern Pacific *144
Chicago, Milwaukee, St. Paul & Pacific	New York Central*247, *467, *59	
*210, *659	New York, Chicago & St. Louis*36	
Denver & Rio Grande Western *416		Virginian *90
Great Northern *308	Norfolk & Western *19	Wabash*521

Personal Mention

[Photographs are indicated thus*. Obituaries are indicated thus†]

Aitchison, F. H. 676	Callahan, George T*272	Fines, Fred 276
Allan, T. A. 494	Carpenter, L. D. 112	Fisher, E. J. 218
Ault, George	Carter, Lowell B218, 680	Follett, Waldo F
Ayer, J. 328	Chuck, Tracy J. 386	Folley, Harold L. *550
Bacon, A. R. 678	Coleman, Paul L*272	Fox, Erving N
Bailey, Charles D50, *166	Cone, V. C. 50	Frank, A
Balliet, Herbert S	Cordes, W. H. 496	Garrett, H. A. 678
Bartley, R. N. 550	Cronk, C. D. *678	Garton, C. I
Beard, William W. 272	Cudworth, H. D	Gavey, John W. 50
Becksted, R. I. *330	Cummings, Fred R 550	Grismore, Harold M. 50
Bell, Robert J	Dalen, W. O50, 678	Guerasimoff, C. N
Billica, Harry J. *220	Davis, P. W. 620, 678, *680	Hackett, J. W. 496
Bingham, R. C 550	Delaney, Edward D*50	Hadlow, W. R. 678
Black, H. L. 676	Dickinson, L. C*47	Hanley, J. R. 218
Blatt, George D *496	Diffenbacher, J. A. 678	Hanson, Karl
Bouchet, Ernest*48	Duncan, H. L. 110	Harris, C. R. R. *332
Bousquet, E. N. 678	Dungey, Wade620, 678	Harris, James 50
Boyer, Samuel A 386	Dunham, Charles W†*680	Hartzell, William W. 678
Bradley, Melvin A*218	Dunker, John*272	Hayhurst, L. W. 276
Bramer, S. E	Ege, Wm. W*622	Hays, T. W
Brixy, Richard DeWolfe†*220	Elg, Erich G*622	Heisler, J. R. 620
Brown, Leonard C. 442	Ellis, Charles O*47	Heitzman, T. P. 220
Brown, O. H. 328	Ellis, Raymound G †166	Henry, J. A. 620, 676
Bruce, Joseph E*164	Fahey, T. H. 218	Herbert, Allen L
Annexis and defendance of the control of the contro		

Hertz, Stanton		McKithan, R. B.	330	Sowash, George	332
Hesler, I. D.		Mann, B. H.	†166	Staffley, George	442
Hickerson, R. G.	678	Mann, E. F.	678	Stanton, Roy J	* 2 2 2
Hill, F. C.	276	Matesjsnek, Frank 1	*41	Stephenson, W. J	676
Hill, H. M	328	matnews. Harry	55%	Stevens, W. H.	620 676
Hill, T. R	620	Matthew, A. R.	494	Stoltz, Carl B	*162
Hoffman, F. C	50	Menagh, F. H.	50	Stone, Errol W	* 4 4 5
Holmberg, C. R.	328	Menzie, Marshall J	550	Stone, R. B.	220
Hooper, M. G		Miller, W. C.	*48	Stonehouse, M. M.	676
Horn, A. M	50, *110	Milner, F. W	678	Stroud, N. H.	676
Howe, Winthrop K		Milroth, C. J		Summers, C. L.	
Hume, George H		Moldenhauer, A		Sykora, John C.	
Hummel, C. W		Moore, L. G		Terrell, P. A.	
Hutchings, Walter R		Mulcahy, D. J		Thomas, J. R.	
Hutchins, A. B		Nelson, B. T.	274	Thompson, G. E.	
Hutchins, John S		Oberle, Henry		Tobin, Charles H.	
Iverslie, Irwin A		Oliphant, L. Ward		Tymeson, Clyde N.	
Jacobsen, Alfred C		O'Neil, W. J.		Uhr, S. L.	
Jenne, W. J.		Packard, Charles	442	Van Gemert, Adrian	
Johnsen, C. H.		Patterson, E. B.	*112	Van Wagner, Paul	
Johnson, L. E.		Peeler, W. E.	328	Walker, J. V.	
Jordan, A. L.		Perkins, Osborne	*÷406	Walling, Edgar W., Jr.	
Kennedy, C. E.		Peters, P. H	50	Waltz, E. L.	274
Kent, James D.		Pfleging, F. W.	÷47	Waltz, William K.	
Kidd, A. J.		Platt, E. P.	50. 162	Welch, M. C.	
Kopper, Edward		Pluto, George W	*104	Welsh, Wilmer	
Kreiter, J. P.		Poole, G. D.	50	White, Donald	
Lay, Charles H		Powell, H. V	†218	Whitehead, C. C.	
Lefler, P. D.		Powelson, Chester E.		Wilenius, E. O.	
Lester, C. W		Rathie, V. F.		Williams, C. A.	
Lewis, E. H.		Ringland, Ray O.		Witzke, Peter C.	
Lewis, N. S.		Robinson, James Percy		Woodruff, J. T., Jr.	*104
Lewis, Wilfred T.		Scott, Harrison A., Jr.		Woodson, C. C.	
Lindie, C. D.		Shafer, W. B.		Wright, P. H.	276
McArdle, R. B.		Shaffer, R. C.		Wuerpel, John M.	+000
McArdie, R. B	*496	Smith, G. F.		Variable F D	7330
McCandless, H. E.		Smith, G. F.		Youmans, E. D Young, Albert E	330
McDonald, J. H.				Yoursenath Front	550
McIlvane, W. J		Smith, W. H.	90	Youngwerth, Frank *	218, 220

Index to Authors

[Illustrated articles are indicated thus*]

Barnes, R. C.	*45	Gilbert, A. M.	606	Nash, R. D	*15-
Bentley, Frank*326, *377, *605,	*675	Gilson, R. M.	215	O'Connor, John43,	21.
Beoddy, J. A.	*382	Grondahl, L. O.	*665	Reich, E. W	
Beutler, F. E.		Heilman, L. C		Schwendt, B. J	
Bone, H. L.		Henze, C		Stewart, J. J*46,	*266
Bossart, P. N.		Hixs, A. P.		Stanton, H. L.	546
Brannen, Corp. Paul M		Hoffman, John H		Taylor, R. E.	*32
Brodnax, R. R.		*46, *108, *155, *214, *326,		Thomas, D. B	*604
Castor, C. L.		Knowles, C. R.		Ward, James	*678
Craig, J. H*106		Law, S. W		Weatherby, E. P.	546
*158, *214, 215, *267, 377, 490,		Madsen, L. D.			*157
Dickinson, L. D.	546	Miller, Oscar E	434		
Elliot, C. J.	*108	Morrison, R. L.	415	Zane, W. F*198, *270, *301,	
Garrison, L. F.	*266	Nachod, Carl P.	*154	Zilske, A. F	*266

