







January

February

March

May











July

September

October

November

December

INDEX

Volume 30 • 2017

USING THE INDEX: Most feature material has been indexed three or more times: by the title under which it was published; under the author's last name; and by subject, usually falling under one or more of the CTT subject categories.

An asterisk (*) preceding an entry indicates a feature by its published title.

CTT subject categories:

Accessories Collectors/operators Construction and maintenance Cover photos

Focus on classics Historical How-to articles Layout visits Manufacturer

Scenery Track plans Wiring

CTT departments:

Collectible Classics Editor's Desk Photo Album Product News Product Reviews

Questions & Answers Tips, Tools, & Techniques Views From The Underground Weekend Workshop



©2017 Kalmbach Publishing Co., 21027 Crossroads Circle, Waukesha, WI 53186. No part of this volume may be reprinted without the specific permission of the publisher.

Accessory that never was, The, Feb p36 Gateman stands tall, The, Feb p33

- *Accessory that never was, The, Feb p36
- *Action car Flyer never made, The, Dec p52 *Add layout boosting detail, May p46 Algozzini, Joe and Carp, Roger
- Lionel sets for 1947, Feb p44 Lionel trains for 1967, Oct p48
- *American Flyer's no. 107 terminal station, Nov p30
- *American Flyer's no. 4904T set, Jan p24
- *Automobiles roll on Lionel Lines, Dec p30

Baggetta, Albert Weekend Workshop, Feb p62 Beheim, Eric

- Tips, Dec p74
- *Best is yet to come, The, Oct p40 Bielanski, Jim
- Weekend Workshop, Jul p55 *Big steel and the Pennsy, Mar p45
- Borland, Rick Tips, Nov p90
- Brennan, Dennis Weekend Workshop, Nov p61
- *Build a modern service platform, Sep p26
- *Build a rail yard structure, Nov p54 *Build a retaining wall, May p26
- *Build a tall trestle for under \$50, Jul p20

*Build a traditional Christmas display, Jan p43

*Carloads on a budget, Jan p74 Carp, Roger (See also Collectible Classics) Accessory that never was, The, Feb p36 Action car Flyer never made, The, Dec p52 Automobiles roll on Lionel Lines, Dec p30 Best is yet to come, The, Oct p40 Big steel and the Pennsy, Mar p44 Celebrating generations of retailers, Nov

Cool Christmas layout, Dec p40 Cowboy suit in a 3-rail paradise, Jan p28 Discover a truly beautiful layout, May p34 Dream maker for Lionel, Sep p22

Family affair, Feb p38 Fathers, sons, & Lionel, Nov p58 First of many layouts, Feb p50 Gateman stands tall, The, Feb p33 It runs in the family, Oct p30 Kusan's overlooked cars, Jul p48 Layout of a lifetime, Mar p56 Layout of a Lionel lifetime, A, May p28 Lionel outfits: Sets in the middle 1950s, May p40 Memories of first toy trains, Nov p34 Pike built for comfort and speed, A, Feb p56 Riding home to Boston, Jul p26 Saluting the world of work, Mar p38 Secrets of Lionel's showroom, Nov p66 Setting down roots, Sep p34 Slice of NYC, A, Jul p42

Dynamic world of Vernon Hart, The, Jul p32

INDEX

Small layout with action, Oct p34 Spirit of the season, Dec p46 Standard gauge has timeless appeal, Dec

Start packing for Pennsylvania, Jan p31 Striking the right balance, Sep p42 Teaching O gauge family values, Nov p46 30 years of memorable photos, Dec p54 Twice the talents, Sep p48
Visiting the Lionel Showroom in 1952, Feb p34

Carparelli, Len Lionel's fab four, Sep p30

*Celebrating generations of retailers, Nov p70

COLLECTIBLE CLASSICS WITH ROGER CARP

American Flyer's no. 107 terminal station, Nov p30 American Flyer's no. 4904T set, Jan p24 KMT's Coors boxcar, Mar p22

Lionel's no. 218 Standard gauge dump car, Jul p17

Lionel's no. 6805 atomic energy disposal car, Sep p19

Lionel's no. 9278 Life Saver's tank car, Feb

Lionel's no. 9727 TAG Ry. boxcar, Oct p18 Lionel's no. 9821 Southern Pacific gondola, Dec p26

Weaver's no. 7530 Southern Pacific GP38-2, May p22

*Collecting the best, Mar p50

COLLECTORS AND OPERATORS (LAST, FIRST, MONTH, PAGE)

Atonna, Peter, Oct p40 Brown, Daniel, Mar p50 Egler, Ken and Ann, Oct p34 Esposito, Christopher and Amy, Nov p46 Feldman, Bruce, Jul p26 Garofalo, Steve, Oct p30 Geyra, David, Jul p42 Hart, Vernon, Jul p32 Horn, David, Feb p56 Jones, Charlie, Jan p30 Kearney, Bob and Pat, May p34 Loop, Bill, Mar p44 Maury, Hal, Mar p56 Moore, Kevin, Jan p28 Murray, Jerry, Mar p38 Orr, Jim and Ann, Feb p38 Parsons, Rich and Nancy, Sep p48 Pruter, Donald and Miriam, Dec p40 Rygiewicz, Carl, May p28 Skidmore, Glenn, Dec p34 Soldano, Sal, Dec p46 Weihmann, Alex, Feb p50 Zoumboukos, Neal, Sep p42 Connor, Mike Tips, Oct p66

CONSTRUCTION & MAINTENANCE (LAYOUT)

Add layout boosting detail, May p46 Build a modern service platform, Sep p26 Build a rail yard structure, Nov p54 Build a retaining wall, May p26
Build a tall trestle for under \$50, Jul p20 Conquer the corner! Mar p26 Personalize your layout, Oct p24
*Cool Christmas layout, Dec p40

COVER PHOTOS

Atonna, Peter, Oct Brennan, Dennis, Mar, Jul Esposito, Christopher, Nov Pruter, David, Dec Sherman, Robert, Sep Trzoniec, Stan, Jan Zuback, William, Feb, May *Cowboy suit in a 3-rail paradise, Jan p28 Crider, Fred Tips, Dec p74

D-E-F

Daley, Bob

Weekend Workshop, Jan p62

*Dash of color, A, Jan p62

*Discover a truly beautiful layout, May p34

*Dream maker for Lionel, Sep p22 *Dynamic world of Vernon Hart, The, Jul p32

EDITOR'S DESK Changes for the York train show, Mar p4 Eyes of an artist, Sep p4 Family memories with toy trains, Jul p4 Focusing on Christmas, Dec p4 Generations of toy trains, The, Nov p4 Give your layout a boost, May p4 Marking a milestone year, Feb p4 New from *Classic Toy Trains*, Jan p4 Tale of two hobbyists, A, Oct p5 *8 layout tips you need, Feb p30 *End and rebirth of S gauge Santa Fe trains, May p50 *Family affair, Feb p38 *"Fifteen," Dec p20 *First of many layouts, Feb p50 Flynn, James R.

FOCUS ON CLASSICS

Inspired by the past, Sep p40

Accessory that never was, The, Feb p36 Action car that Flyer never made, The, Dec Automobiles roll on Lionel Lines, Dec p30

Collecting the best, Mar p50 End and rebirth of S gauge Santa Fe trains,

May p50 Fathers, sons, & Lionel, Nov p58 Growing up with Lionel trains in Mexico, Jul

. Knockout Marx display surfaces after 75 years, A, Jan p56

Last year of Gilbert American Flyer, The, Nov p62

Lionel outfits: Sets in the middle 1950s, May p40

Lionel sets for 1947, Feb p44 Lionel trains for 1967, Oct p48 Lionel's fab four, Sep p30 Lionel's seldom-seen Macy's Special train sets, Jan p60

Rare and scarce Flyer signals, Oct p20 Shining stars of tinplate, Jul p52 Varieties of Lionel's no. 9701-B automobile boxcar, Mar p31

Visiting the Lionel Showroom in 1952, Feb p34

Fournier, Michael L Painting a special train, Jan p50

G-H-I

*Gateman stands tall, The, Feb p33 Greenberg, Bruce

Lionel's seldom-seen Macy's Special train *Growing up with Lionel trains in Mexico, Jul

Hamler, Ted

Tanks for the memories, Mar p34 Rare and scarce Flyer signals, Oct p20

HISTORICAL

Accessory that never was, The, Feb p36 Action car that Flyer never made, The, Dec American Flyer's no. 107 terminal station, Nov p30

American Flyer's no. 4904T set, Jan p24 Automobiles roll on Lionel Lines, Dec p30 Celebrating generations of retailers, Nov p70 Collecting the best, Mar p50 Dream maker for Lionel, Sep p2 End and rebirth of S gauge Santa Fe trains,

May p50 Fathers, sons, & Lionel, Nov p58

Gateman stands tall, The, Feb p33

Inspired by the past, Sep p40 KMT's Coors boxcar, Mar p22 Knockout Marx display surfaces after 75 years, A, Jan p56 Kusan's overlooked cars, Jul p48 Last year of Gilbert American Flyer, The, Nov

Lionel outfits: Sets in the middle 1950s, May p40 Lionel sets for 1947, Feb p44

Lionel trains for 1967, Oct p48 Lionel's fab four, Sep p30 Lionel's no. 218 Standard gauge dump car, Jul p17

Lionel's no. 6805 atomic energy disposal car, Sep p19

Lionel's no. 9278 Life Saver's tank car, Feb p26

Lionel's no. 9727 TAG Ry. boxcar, Oct p18 Lionel's no. 9821 Southern Pacific gondola, Dec p26

Lionel's seldom-seen Macy's Special train sets, Jan p60 Memories of first toy trains, Nov p34

My Greatest Find, Jan p36 Rare and scarce Flyer signals, Oct p20 Secrets of Lionel's showroom, Nov p66 Shining stars of tinplate, Jul p52 Tanks for the memories, Mar p34 Varieties of Lionel's no. 9701-B automobile

boxcar, Mar p31 Visiting the Lionel Showroom in 1952, Feb

Weaver's no. 7530 Southern Pacific GP38-2, May p22

Hoffer, George E.
End and rebirth of S gauge Santa Fe trains, May p50

Hoffman, Jim Tips, May p66

HOW-TO

Add layout boosting detail, May p46 Adding directional lighting to a Lionel 600-series switcher, Jul p55 American Flyer truck rehab, Sep p54 Another way to display your trains, Oct p66 Build a modern service platform, Sep p26 Build a rail yard structure, Nov p54 Build a retaining wall, O, May p26 Build a tall trestle for under \$50, Jul p20 Build a traditional Christmas display, Jan p43 Conquer the corner! Mar p26 Dash of color, A, Jan p62 Dual track a Standard gauge approach, Nov p78 . Easy-to-make mountainside tunnel opening,

An, Dec p74

8 layout tips you need, Feb p30 Give your railroad an identity, Jan p38 Lionel no. 497 coal bin stabilizer, Dec p74 Make a lighted billboard, Feb p62 Make a unique Forney-style suburban steam locomotive, Nov p77

Make better trees, Jul p66 Make your own freight containers, May p66

Mitigate box coupler magnetic attraction, Mar p74 Need a replacement bracket? Dec p61

New life for old engines, Oct p27 No smoke! Mar p63 Painting a special train, Jan p50 Personalize your layout, Oct p24 Removing Lionel no. 9700 car roofs, Mar p74 Simulate rubber roadbed, Sep p66 6 steps to realistic paving, Jan p53 Smooth out gantry crane movement, Nov

Steady lighting for an American Flyer caboose, Jan p46 Upgrade an MPC boxcar, May p54

Using an old American Flyer track switch as a relay switch, Feb p74 Variety is the spice of rolling stock, Oct p54

Huegel, John

Growing up with Lionel trains in Mexico, Jul

*Iconic products from the past 30 years, Nov

Inspired by the past, Sep p40

*It runs in the family, Oct p30

J-K-L

Jacobs, David S.

Personalize your layout, Oct p24 Keller, Bob (see also Product News, Product Reviews)

Editor's Desk, Jan p4

Iconic products from the past 30 years, Nov p40

Knautz, Frank

Build a retaining wall, O, May p26 Build a tall trestle for under \$50, Jul p20 Conquer the corner! Mar p26

6 steps to realistic paving, Jan p53

*Knockout Marx display surfaces after 75 years, A, Jan p56

*Kusan's overlooked boxcars, Jul 48 *Last year of Gilbert American Flyer, The, Nov p62

*Layout of a lifetime, Mar p56

*Layout of a Lionel lifetime, A, May p28

LAYOUT VISITS (By owner. T indicates track plan included, followed by gauge or scale designation.)

Atonna, Peter, (T, O), Oct p30 Egler, Ken and Ann, (T, O), Oct p34 Esposito, Christopher and Amy, (T, O), Nov

Feldman, Bruce, (T, O), Jul p26 Geyra, David, (T, O), Jul p43 Hart, Vernon (T, O), Jul p32 Hart, Vernon (T, O), Jul p32
Horn, David (T, S), Feb p56
Jones, Charlie (T, O), Jan p30
Kearney, Bob and Pat (T, O), Sep p34
Kunz, Richard (T, O), May p34
Loop, Bill (T, O), Mar p48
Maury, Hal (T, O), Mar p56
Murray, Jerry (T, O), Mar p38
Orr, Jim and Ann (T, O), Feb p38
Parsons, Rich and Nancy (T, S), Sep p48
Pruter, Donald and Miriam (T, O), Dec p40
Rygiewicz, Carl (T, O), May p29
Skidmore, Glenn (T, Standard), Dec p34
Soldano, Sal (T, O), Dec p46
Weihmann, Alex (T, O), Feb p53
Zoumboukos, Neal (T, O), Sep p42
*Lionel sets for 1947, Feb p44
*Lionel trains for 1967, Oct p48

*Lionel trains for 1967, Oct p48 *Lionel's fab four, Sep p30

*Lionel's no. 218 Standard gauge dump car, Jul p17

*Lionel's no. 6805 atomic energy disposal car, Sep p19

*Lionel's no. 9278 Life Saver's tank car, Feb p26

*Lionel's no. 9727 TAG Ry. boxcar, Oct p18 *Lionel's no. 9821 Southern Pacific gondola, Dec p26

*Lionel's seldom-seen Macy's Special train sets, Jan p60

M

*Make a unique Forney-style suburban steam locomotive, Nov p77
*Make your own freight containers, May p66

MANUFACTURER **American Flyer**

Action car that Flyer never made, The, Dec p52

American Flyer's no. 107 terminal station, Nov p30

American Flyer's no. 4904T set, Jan p24 End and rebirth of S gauge Santa Fe trains, May p50

Last year of Gilbert American Flyer, The, Nov p62

Rare and scare Flyer signals, Oct p20 Tanks for the memories, Mar p34

Accessory that never was, The, Feb p36 Automobiles roll on Lionel Lines, Dec p30 Collecting the best (Lionel displays), Mar p50 Dream maker for Lionel, Sep p22 Fathers, sons, & Lionel, Nov p58 Gateman stands tall, The, Feb p33 Lionel outfits: Sets in the middle 1950s, May Lionel sets for 1947, Feb p44 Lionel trains for 1967, Oct p48 Lionel's no. 218 Standard gauge dump car, Jul p17 Lionel's no. 6805 atomic energy disposal car, Sep p19 Lionel's no. 9278 Life Saver's tank car, Feb p26 Lionel's no. 9727 TAG Ry. boxcar, Oct p18 Lionel's no. 9821 Southern Pacific gondola, Dec p26 Lionel's seldom-seen Macy's special train sets, Jan p60 My Greatest Find, Jan p36 Secrets of Lionel's showroom, Nov p66 Varieties of Lionel's no. 9701-B automobile boxcar, Mar p31 Visiting the Lionel Showroom in 1952, Feb p34

Marx

Inspired by the past, Sep p40 Knockout Marx display surfaces after 75 years, A, Jan p56

Other manufacturers

KMT's Coors boxcar, Mar p22 Kusan's overlooked cars, Jul p48 Weaver's no. 7530 Southern Pacific GP38-2, May p22

Mauntel, Mike Knockout Marx display surfaces after 75 years, A, Jan p56 Miller, John H. Tips, Mar p74 Weekend Workshop, Nov p78 Mills, Frank Build a traditional Christmas display, Jan p43 Moyer, Ron My greatest find, Jan p36 *My greatest find: Something amazing arrived in a Lionel set from 1953, Jan p36

N-O-P

*Need a replacement bracket? Dec p61 Neiderlander, Lou Reader platform: Fifteen, Dec p20 *New life for old engines, Oct p27 Noble, Harry Weekend Workshop, Nov p77

NOSTALGIA

Cowboy suit in a 3-rail paradise, Jan p28 Fathers, sons, & Lionel, Nov p58 Gateman stands tall, The, Feb p33 Growing up with Lionel trains in Mexico, Jul p38 It runs in the family, Oct p30 Memories of first toy trains, Nov p34

Olson, Lee A. Steady lighting for an American Flyer caboose, Jan p46

Weekend workshop, Sep p54 *Painting a special train, Jan p50

Reader platform: Fifteen, Dec p20

Palumbo, Lou (See Views from the Underground)

*Personalize your layout, Oct p24

PHOTO ALBUM

Banks, Robert (O gauge layout), Oct p10 Baule, David (S gauge layout), Jan p10 Beheim, Eric (S gauge diorama), Oct p9 Brown, Jim (S gauge layout), May p11 Chan, John (multiple gauges), Mar p8 Chancey, Carl (O gauge layout), Nov p14 Clare, Gary (O gauge layout), Oct p9 Cunius, John (O gauge layout), Jul p11 Dalby, John (O gauge layout), May p9 Davis, Bob (S gauge layout), Sep p9 Dole, Fred (O gauge layout), Nov p11 Donald, George (O gauge layout), Jan p13 D'Ulisse, Victor (O gauge layout), Feb p12 Dyer, Bob and Vicki (O gauge layout), Feb

Favazza, Richard (O gauge layout), Feb p12 Flanagan, George (O gauge layout), Feb p12 Hart, Vernon (O gauge layout), May p10 Hayes, Stephen (O gauge diorama), May p9 Hilliard, Robert (O gauge layout), Oct p11 Hough, Gordon (O gauge layout), Jan p12 Jerome, Forrest, (O gauge layout), Nov p10 Kalabokes, Chris (O gauge layout), Jul p10 Kearney, Bob and Pat (O gauge layout), Jul p8-9

Klopp, Philip (O gauge layout), Dec p13 Langenfeld, Ralph (O gauge layout), Mar p10 Lantz, Jack (S gauge layout), Dec p12 Lloyd, Richard (O gauge layout), Nov p12 Luciani, Joe (O gauge layout) Dec p13 MacCormack, Donald (O gauge layout), Sep

p10 Marquardt, Dan (O gauge layout), Sep p10 Marxen, William (O gauge layout), Nov p12 McKechnie Family, (O gauge layout), Jan p13 Mellis, Scott, (O gauge layout), May p8 Miller, Donald (O gauge layout), Jan p12 Moore, David (O-27 gauge layout, Dec p11 Nauset Model Railroad Club (O gauge layout), Feb p14

Novak, William, (S gauge layout), Nov p10 Olsen, Thomas (Standard gauge layout), Dec p10

Parke, Richard (O and Standard gauge layout), Sep p11

Pearsall, Gary (O gauge layout), May p11 Pekarek, James (O gauge display), Dec p11 Richards, Bruce (S gauge display), Feb p10 Rose, John (O gauge layout), Mar p8 Santa, Rob (Standard gauge layout), Jan p11 Schneider, Lew (O gauge layout), Mar p12 Schultz, Christina and Kenneth (Standard gauge layout), Jan p11 Schwartz, Michael (O gauge layout), Feb p11

Shaw, Bob (O gauge layout), Sep p11 Silk, Jeff (O gauge layout), Sep p8 Silver Rail Club (O gauge display, Oct p11 Soldano, Sal (O gauge layout), Oct p10 Sturm, Thomas (O gauge layout), Jul p11 Tucker, Edward (O gauge layout), Jul p10 Vanwey, William (O gauge layout), Sep p9 Waite, Andy (O gauge layout), Mar p10 Walton, Lenny (S gauge layout), Jul p10 Ward, Garland (O gauge layout), Mar p8 Wingate, Chuck (S gauge layout), Oct p8 Zoumboukos, Neal (O gauge layout), Mar

*Pike built for comfort and speed, A, Feb p56

PRODUCT NEWS PHOTOS: Books/CDs/DVDs/prints

A.C. Gilbert Heritage, book, Heimburger House, Feb p16 All-Star Electric Trains 2017, Kalmbach Publishing Co., Dec p16 American O Scale, book, White River Productions, Jan p17 Baltimore & Ohio: Cumberland to Connellsville, book, Stan Trzoniec, Feb p20 Baltimore & Ohio: Hancock Md., to Cumberland, book, Stan Trzoniec, Sep p14 Bob Sherman Lionel no 773 Hudson print, Kalmbach Publishing Co., Sep p12 Bob Sherman Pennsylvania RR GG1 print, Kalmbach Publishing Co., Sep p13

Bob Sherman Santa Fe F3 diesel print. Kalmbach Publishing Co., Sep p12 Boston & Albany: Worcester to Albany, book, Stan Trzoniec, Feb p20 Boston & Maine: Ayer to Rotterdam, book, Stan Trzoniec, July p14 British Toy Trains: Book 3, Michael D. Foster, Oct p13 Chicago: America's Railroad Capital, DVD, Kalmbach Publishing Co., May p16 Collectible Lionel Classics, book, Kalmbach Publishing Co., May p13 Express, Mail & Merchandise Service, book, Kalmbach Publishing, Feb p20 Garden Railways magazine 1984-2015 digital collection DVD, May p13 Greenberg's American Flyer Pocket Price Guide 1946-2017, book, Kalmbach Publishing Co., Feb p18 Greenberg's Lionel Trains Pocket Price Guide 1901-2017, book, Kalmbach Publishing Co.,

Feb p18 I Love Toy Trains: Rail Blazers, DVD, TM Books

& Video, Dec p16 Lionel Postwar Service Manuals Vol. 8,

browser-based DVD, Robert Osterhoff, Mar

Madison Hardware Story, The, book, Madison Poster Co., Feb p18 Old Windup Trains, book, James Pekarek, Mar

p15 Stocks & Bonds of the Lionel Corp. 1909-1993,

browser-based DVD, Robert Osterhoff, Feb Trains Magazine's Tourist Trains Guidebook

(6th ed.), Kalmbach Publishing Co., Dec p17 20th Century Limited, DVD, Kalmbach Publishing Co., Jan p17 21st Century Layouts, DVD, TM Books & Video, Jan p17

PHOTOS: Control/scenery and layout supplies

DCS Wi-Fi adapter for starter sets, O, MTH, Jul p12 Goop layout cleaning material, multiple scales, Woodland Scenics, Jul p14 LionChief Bluetooth app, May, p12 Murky Water texture kit, multiple scales, Woodland Scenics, Jul p16 Prefabricated test track, O or S, Gooddealsdcc, Sep p12
Prefabricated 36-inch test track, O or S, Gooddealsdcc, Dec p18 Water depth and texture pigments, multiple gauges, Woodland Scenics, Jul p12

PHOTOS: Locomotives, diesel Arkansas & Missouri EMD SD70ACe, O,

Lionel, Jan p16

Atlantic Coast Line EMD E8 A-A duo, O, Lionel, May p16 Canadian National and Union Pacific GE 44-toners, O, Williams by Bachmann, Jan p17 METRA F40PH, O, MTH Premier line, Jan p20 METROLINK F40PH, O, MTH Premier line, Nov p22 Reading Lines EMD SD70ACe, O, MTH Premier line, Nov p20 Rock Island Baldwin VO-1000, O, Atlas O, May p12 Santa Fe EMD F7 A-B duo, O, Atlas O, Oct 12 Southern Pacific Alco RS-11, O, Atlas O, May Union Pacific GE U50C, O, MTH Premier line, Mar p14

PHOTOS: Locomotives, electric and motorized units

E-Z Streets ice delivery truck, O, Williams by Bachmann, Jul p13 Laurel Line trolley, O, Lionel for Grzyboski's Train Shop, O, Nov p18

PHOTOS: Locomotives, steam

Milwaukee Road LionChief Plus 4-6-4 Hudson, O, Lionel, Feb p17 New York Central L-3a 4-8-2 Mohawk, O, MTH Premier line, May p14 Union Pacific no. 263E tinplate 2-4-2, O, MTH, Feb p18

PHOTOS: Miscellany/Structures/Layout details

Chillin' & Grillin' trailer, O, Woodland Scenics, Sep p12 City facades, O, Empire Rail, O, Oct p12 City factory façade, Empire Rail, Dec p19 Classic Toy Trains flashing billboard, O/S,

Double Decker trailer, O, Woodland Scenics, Nov p20

Flexible plastic street and roof sheets, multiple gauges, Chooch Enterprises, Jul

Fire Station 12, O, Menards, Sep p15 H&H Feed Mill, O, Woodland Scenics, Feb

. H&H Feed Mill (production model), O, Woodland Scenics, Sep p14 Hotel York Royale, O, Menards, Dec p17 Lionel no. 440 signal tower, O, MTH, Mar p17 Morton Salt factory, O, Menards, Jul p14 Obituary: Jerry Williams, Feb p16 Old Homestead Built-&-Ready structure, O, Woodland Scenics, Jul p13

Railway Express set of six trucks, O, American Heritage Models, O, Oct p14 Ranch house, O, Menards, Jul p16 Roadside flashing signal, Standard, MTH,

Mar p15 School bus maintenance building, O, Menards, Dec p18

Tinplate to FasTrack transition section, O, Menards, Jul p14 Twenty-foot container three-pack, O,

Menards, Nov p22 Two-foot double-track bridge, O, Menards, Nov p20

Watkins building, O, Menards, Julp15 Wood shack, O, Woodland Scenics, Jan p20

PHOTOS: Rolling stock, custom

British Columbia Electric refrigerator car, O, MTH for Canadian Toy Train Āssn., Mar p16 Classic Toy Trains 30th Anniversary boxcar, O, Lionel for Classic Toy Trains magazine, Dec p18

Harvey House commemorative boxcar, O, Lionel for Desert Division of Train Collectors Assn., Dec p19

Lake Superior & Ishpeming boxcar, O, Lionel for the Northern Michigan Model Railroad Club, Dec p19

Lionel Collector's Club of America Christmas boxcar, O, Lionel, Sep p12

Long Island RR hopper, O, Lionel for Nassau Lionel Operating Engineers, Jul p14 North Fork Potato Chip boxcar, O, Lionel for Railroad Museum of Long Island, May p13 Northwest Fruit Growers/Independent Pears refrigerator car, O, Atlas O for Lowell Smith, Sep p13

Pacific Great Eastern crane car, O. MTH for Canadian Toy Train Association, Nov p19 Pacific Great Eastern two-bay hopper, O. Atlas O for Canadian Toy Train Assn., Jan p20

PHOTOS: Rolling stock, freight

Amtrak Auto Train auto-carrier car, O, MTH Premier line, Oct p14 ATTX flatcar with three liquid container loads, O, MTH Premier line, Mar p17 Boxcars (14 assorted road names), O, Menards, Jan p18, Burlington Northern hopper, O, Menards, Feb p18

Canadian grain hopper, O, Menards, Mar p16 Canadian National bulkhead flat with wood

INDEX

cargo load, O, Menards, Jul p12 Canadian Pacific holiday train 4-car pack, O, MTH Premier line, Nov p18 Canadian Pacific ore car, O, Williams by Bachmann, Nov p19

Chesapeake & Ohio flatcar with concrete mixer load, O, Menards, Feb p16 Chicago, North Shore & Milwaukee Electroliner, O, MTH Premier line, May p15 CSX three-dome tank car, O, Menards, Jul p13 DTTX auto carrier with die-cast vehicles, O, Menards, Sep p14

DTTX double-stack intermodal cars, O, Menards, Oct p13

DTTX Gunderson well car, O, Atlas O, Jan p16 Great Northern boxcar, O, Menards, May p12 Hoppers (6 assorted road names), O, Menards, Mar p16

Lehigh & New England dump car, O, Williams by Bachmann, Sep p15

Lehigh Valley flatcar with passenger bus cargo load, O, Menards, Mar p16 Little River Logging Co. log dump car, O, Williams by Bachmann, Jul p15 Milwaukee Road three-dome tank car, O, Menards, July p12

Northern Pacific hopper, O, Menards, May

Norfolk & Western Heritage hopper, O, Menards, Feb p18

Old Crow Express commemorative boxcar, O, Menards, May p12

Pennsylvania RR flatcar with excavator cargo

load, Ó, Menards, Feb p16 Pittsburgh & Lake Erie 19th century baggage cabin car, MTH RailKing line, May p16 Rock Island boxcar, O, Menards, Nov p22 Santa Fe flatcar with Shell Oil fuel container,

O, Menards, May p14 Santa Fe flatcar with Santa Fe bus cargo load, O, Menards, Jul p12

Santa Fe 3-dome tank car, O, Menards, Nov

p18 Southern 3-bay hopper, O, Lionel, Jan p18 Southern operating boxcar, O, Williams by Bachmann, Oct p12 Supplee Milk refrigerator car, O, Lionel, Mar

p17

Take-off time commemorative boxcar, O, Menards, Feb p16

Troop train cars, O, Atlas O, Jul p12-13 Union Pacific boxcar, O, Menards, Nov p22 U.S. Air Force flatcar with fuel container, O, Menards, May p14

U.S. Army caboose, O, Menards, Nov p18 U.S. Army flatcars with military cargo loads, O, Menards, Oct p14 U.S. Army flatcars with military cargo loads, O,

Menards, Mar p14 U.S. Coast Guard flatcar with helicopter load,

O, Menards, Sep p13 U.S. Navy flatcar with helicopter load, O,

Menards, Sep p13

Waddell Coal Co. two-bay hopper, O, Williams by Bachmann, Sep p15

Western Pacific boxcar, O, Menards, May p12

PHOTOS: Rolling stock, passenger

Christmas Express Overton car set, O, MTH RailKing line, Dec p16 METRA bi-level car, O, MTH Premier line, Jan

PHOTOS: Train sets

FlyerChief 0-4-0T train set, S, Lionel, Feb p20 Heisler log train set, Lionel, O, Mar p15 Lionel Lines Alco FA passenger set, O, Lionel, May p14-15

PRODUCT REVIEWS WITH BOB KELLER **Accessories and Miscellany**

Deep Pour water solution, multiple scales, Woodland Scenics, Jul p59 LionChief Plus Universal Remote controller, O/S, Lionel, May p59 Morton Salt factory, O, Menards, Jul p60

Pepsi bottling plant, O, Menards, Oct p56 Red Owl grocery store, O, Menards, Feb p67 Three shack set, O, Woodland Scenics, May

Train station, O gauge, Menards, Jan p67 Troop cars, O, Atlas O, Sep p58

LOCOMOTIVES, DIESEL AND ELECTRIC

Amtrak AEM7 electric, O, MTH Premier line,

Amtrak FP40PH, O, MTH Premier line, Dec p66 Florida East Coast EMD BL-2 diesel, O, MTH Premier line, Oct p60

Long Island RR GE 44-tonner, O, MTH Premier line, Mar p65

New York Central EMD GP20, O, Lionel LionChief Plus, Mar p67

Norfolk Southern EMD First Responders GP38-2, Dec p64

Norfolk Southern EMD Saluting Veterans SD60E, O, MTH Premier line, Jul p57 Santa Fe EMD F7 A-B duo by Atlas O, Nov p80 Seaboard Alco RS-3, O, MTH RailKing, Jan p64 Seaboard EMD F3, S, MTH, Sep p56 Union Pacific GE AC4400CW, O, Nov p82

LOCOMOTIVES, STEAM

Burlington Route USRA 4-6-2, O, MTH RailKing, Feb p64

Q

QUESTIONS & ANSWERS WITH JOE MANIA

American Flyer

American Flyer set identification issues, Mar p20

Basics

Get your trains ready, Dec p22 Lowest operating temperature for AC transformers, Mar p18 Battery damage repair, May p20

Lionel

No. 022 switch problem, Nov p28 No. 50 gang car problems, Feb p22 No. 97 coal elevator color, Mar p18 No. 397 coal loader shaft removal, Sep p18 No. 2331 brushplate assembly, Nov p24 No. 2332 GG1 motor problems, May p18 V transformer posts, Oct p16 ZW whistle problem, Sep p16

Reducing wear on Marx slider shoes, Mar p18

MiscellanyDead K-Line Train Master horn, Nov p26 Layouts suspended from ceiling or walls, Jan

How to wire track to a Junior Bridge Co. bridge, Mar p18

Model fleet merger timeline, May p20 Who repairs Red Caboose locomotives? Nov

Williams E-60 replacement motor, Nov p26

Reader feedback and suggestions

Suggestion for tool to install traction tires, Jan p22

Ranck, Jim Tips, Feb p74 *Rare & Scarce Flyer signals, Oct p20 Riddle, Peter H. Add layout boosting detail, May p46 8 layout tips you need, Feb p30 *Riding home to Boston, Jul p26

S

*Saluting the world of work, Mar p38 *Secrets of Lionel's showroom, Nov p66 *Setting down roots, Sep p34 *Shining stars of tinplate, Jul p52 *Simulate rubber roadbed, Sep p66 *6 steps to realistic paving, Jan p53 *Slice of NYC, A, Jul p42 *Small layout with action, Oct p34 Smith, Glenn E.

Tips, Jan p74 *Smooth out gantry crane movement, Nov p90

Sobieck, Richard

Tips, Mar p74

*Standard gauge has timeless appeal, Dec p34 *Start packing for Pennsylvania, Jan p31 *Steady lighting for an American Flyer caboose, Jan p46 Steed, Jim

Simulate rubber roadbed, Sep p66 Suek, Mark

Last year of Gilbert American Flyer, The, Nov

Varieties of Lionel's no. 9701-B automobile boxcar, Mar p31 Sylvan, Robert

Weekend Workshop, May p54

*Tanks for the memories, Mar p34 Teal, Dick Weekend Workshop, Mar p63 *30 years of memorable photos, Dec p54

TIPS, TOOLS, AND TECHNIQUES

Another way to display your trains, Oct p66 Box coupler magnetic attraction fix, Mar p74 Carloads on a budget, Jan p74 Easy-to-make mountainside tunnel opening, An, Dec p74

Lionel no. 497 col stabilizer for dumping, Dec Make better trees, July p66

Make your own freight containers, May p66 Removing Lionel no. 9500-series car roofs,

Simulate rubber roadbed, Sep p66 Smooth out gantry crane movement, Nov

Using an old American Flyer track switch as a relay switch, Feb p74 Tonet, Rick

Shining stars of tinplate, Jul p52 *Toy train track plan: Seneca Falls, Jul p24

TRACK PLANS Sample: NAME, SIZE, GAUGE 12 x 18-foot O gauge layout, Jan p41

Alex Weihmann's 12 x 20-foot O gauge railroad, Feb p53

Bill Loop's 9 x 33-foot O gauge railroad, Mar

Bob & Pat Kearney's 17 x 26-foot O gauge railroad, Sep p36

Bruce Feldman's 16 x 32-foot O gage railroad, Jul p28 Carl Rygiewicz's 24 x 24-foot O gauge

railroad, May p31 Charlie Jones' 28 x 28-foot O gauge railroad,

Jan p33

Christopher and Amy Esposito's 6 x 13-foot O gauge railroad, Nov 2017 p48 David Geyra's 5 x 10-foot O gauge railroad,

David Horn's 8 x 16-foot S gauge railroad, Jan p59

Donald and Miriam Pruter's 12 x 20-foot O gauge layout, Dec p43

Glenn Skidmore's 12 x 15-foot Standard and O gauge railroad, Dec p37 Hal Maury's 26 x 2- foot O gauge railroad, Mar

Jerry Murray's 20 x 70-foot-O gauge railroad,

Mar p40 Jim and Ann Orr's 13 x 17-foot O gauge railroad, Feb p41

J.C. Penney's Wonder Train Window 8 x 10-foot railroad, Jan p59

Ken and Ann Egler's 8 x 18-foot O gauge railroad, Oct p36

Michael Tylick's 91/2 x 14-foot O gauge track plan, Jul p24

Neal Zoumboukos' 17 x 20-foot O gauge railroad, Sep p44

Peter Atonna's 40 x 57-foot O gauge railroad, Oct p44 Rich and Nancy Parsons' 6 x 18-foot S gauge

railroad, Sep p48 Richard Kunz's 16 x 24-foot O gauge railroad,

Sal Śoldano's 15 x 35-foot O gauge layout, Dec p50

Vernon Hart's 17 x 28-foot O gauge railroad, Jul p36 Trzoniec, Stan,

Build a modern service platform, Sep p26 Build a rail yard structure, Nov p54 Give your railroad an identity, Jan p38 Tylick, Michael

Toy train track plan: Seneca Falls, Jul p24

U-V

Ullrich, Paul Tips, Jul p66 Weekend Workshop, Dec p61 *Upgrade an MPC boxcar, May p54 *Varieties of Lionel's no. 9701-B automobile boxcar, Mar p31 *Variety is the spice of rolling stock, Oct p54

VIEWS FROM THE UNDERGROUND WITH LOU PALUMBO

By popular demand, Mar p24 Downsizing, Feb p28 Granddads & new dads, Jul p19 Holidays are here, Dec p28 Holy smoke, Sep p20 How time flies, Nov p32 It takes a village, Jan p26 We choose to remember, Oct p19 Who reads the "Views," May p24 *Visiting the Lionel Showroom in 1952, Feb p34

W-X-Y-Z

*Weaver's no. 7530 Southern Pacific GP38-2, May p22

WEEKEND WORKSHOP

Adding directional lighting to a Lionel 600-series switcher, July p55 American Flyer truck rehab, Sep p54 Dash of color, A, Jan p62 Dual track a Standard gauge approach, Nov p78 Make a lighted billboard, Feb p62 Make a unique Forney-style suburban steam locomotive, Nov p77 No smoke! Mar p63 Upgrade an MPC boxcar, May p54 Variety is the spice of rolling stock, Oct p54

WIRING

Using an old American Flyer track switch as a relay switch, Feb p74 Wrick, Varley Weekend Workshop, Oct p54