TINPLATE TRADITIONS BY M.T.H.-



A DREAM COME TRUE-



You're reading one of the most unique catalogs in model railroading. In any scale or gauge, our hobby can be a time machine, taking us back to the trains of another era and the world they inhabited. But only in tinplate do the models themselves hark back to the toys of another period, the pre-World War II decades of the twentieth century. Tinplate trains are the toys of a time

when silent movies and then radio were among the chief forms of entertainment - a period when playthings and entertainment were not intended to be realistic, but to serve as springboards for a child's imagination.

In this world it was entirely plausible for a toy train company to advertise a shiny, cartoon-like locomotive as an amazingly realistic model of the latest technology on rails. This was the world of tinplate, inhabited by brightly-colored toys that were masterpieces of the toy-makers art, only loosely related to the real world, and a favorite toy of almost every boy in America. This was the world in which one manufacturer's slogan was "lves toys make happy boys," and a huge amount of advertising appealed directly and specifically to Boys. Being a Boy in the early part of the twentieth century was truly something special, because Boys had the best toys.

This is the world that inhabits this and every Tinplate Traditions catalog. You can experience the same excitement that a child felt when receiving these toys as a holiday or birthday present seven or eight decades ago. The first M.T.H. catalog in 1983, printed in black and white, offered reproductions of the No. 9, No. 381E, and No.408 Standard Gauge locomotives. Today we are the only company in the world offering a full line of Standard Gauge and O Gauge tinplate trains, track, and accessories that faithfully duplicate the magic of the pre-war tinplate era.

We think you'll find much in this latest catalog to delight your eyes and ears and the child in every one of us. Appearing for the first time in the Tinplate Traditions lineup are models of the 4696, 390, and 249 steam engines; 8E, 318E, and 3236R electrics; and 2600 Series and 180 Series passenger cars. If you're looking for accurate replicas of the original tinplate toys, we offer models that duplicate their original colors and mechanisms. Or if you're looking for the spirit of tinplate updated for the twenty-first century, we also offer tinplate models with new paint schemes and the smoke. sounds, speed control and other features of our Proto-Sounds 2.0 sound and control system. We invite you to turn the page, step into our time machine, and enjoy the magic that was - and still is - tinplate toy trains.

www.mthtrains.com



M.T.H. TRAINS ARE MORE FUN _____

Only M.T.H. offers you the choice of enjoying tinplate trains that perform just like new toys of eighty years ago, or updated with modern technology. Many Tinplate Traditions locomotives are offered in both Traditional and Proto-Sound® 2.0 configurations.

Traditional versions don't just look like the pre-war originals; they operate like them, too, Traditional locomotives feature open-frame AC motors and mechanical E-units (reverse units) for operators who want to recreate the full tinplate experience - complete with buzzing E-units, growling motors, and the smell of ozone in the air!

Proto-Sound[®] 2.0 versions feature the same accurate, nostalgic appearance on the outside but the latest M.T.H. technology inside. The complement of Proto-Sound® features offers today's tinplate operator more fun than a child of the 1920's or '30's ever dreamed of:

Speed control and slow speed capability: Original Tinplate locomotives often had two speeds: fast and faster. M.T.H. locomotives feature Proto-Sound[®] 2.0, our unique sound and control system that allows our engines to throttle down to a slow crawl, highball down the main line, or maintain any speed in between. The Locomotive Speed Control built into Proto-Sound[®] 2.0 acts like the cruise control on a car, keeping your train moving at the speed you select, regardless of hills and curves.

Synchronized chuff and puff: Like a real steam engine. M.T.H. steamers feature puffs of smoke and steam chuff sounds synchronized with the drive wheels. Better than any other toy train. an M.T.H. locomotive portrays the drama of a steam engine s-l-o-w-ly chuffing and puffing as it pulls out of a station and gets up to speed.

Vivid engine sounds: Proto-Sound® features digital recordings with CD-quality playback. Press the transformer whistle/horn button to hear the wail of an electric locomotive horn or the melody of an authentic steam whistle. Press the bell button to alert passengers to your train's arrival or departure. And steam chuff sounds vary automatically depending on how hard your engine is working.

Station sounds: Proto-Sound[®] passenger engines offer Passenger Station Proto-Effects™, a complete arrival and departure sequence that you can activate from your transformer. Freight engines include Freight Yard Proto-Effects[™], a symphony of freight terminal sounds.

Remote uncoupling: Our O-Gauge Proto-Sound® steam locomotives offer remote uncoupling anywhere on your layout, controlled from your transformer. The opening of the coupler is accompanied by the hiss of air hoses parting and the clank of the coupler knuckle opening.

Great smoke: Our steam engines feature fan-driven Proto-Smoke[™], the most powerful smoke system in the hobby.

TINPLATE MEGASTATIONS ____

ready to serve your model railroading needs. Of these, a select few qualify for inclusion in M.T.H.'s Mega Station program. So just what is a Mega Station?

Simply put, M.T.H. Authorized Mega Stations are your best bet for finding the widest selection of M.T.H. products in stock, when you want them. Mega Station retailers also meet our DCS Demo Center qualifications so you'll find expert assistance in seeing M.T.H. products in action whenever you visit a Mega Station retailer.

Each of our Mega Station accounts has the option of qualifying for one or more categories covering our RailKing O Gauge, Premier Line O Scale, Tinplate Traditions and RailKing One Gauge product lines. The list to the right includes our current Tinplate Traditions Mega Station accounts. Of course, if your favorite M.T.H. Authorized Retailer isn't listed they can still order any of our current Tinplate Traditions offerings. To find a local M.T.H. Authorized Retailer, visit our website and click on the Dealer Locator link.

Western Depot Yuba City, CA 530-673-6776 www.westerndepot.com

Ready to Roll Miami, FL 305-688-8868 ww.readvtorolltrains.com

Roundhouse South Port Orange, FL 386-304-7002 www.roundhousesouth.com

Sidetrack Hobbies Leonardtown, MD 301-475-5381 www.sidetrackhobbies.com

Brady's Toy & Train Outlet Greensburg, PA 724-838-8448 w.bradystrainoutlet.com

Nassau Hobby Center Freeport NY 516-378-9594 www.nassauhobbv.com

Nicholas Smith Trains Broomall, PA 610-353-8585 www.nstrains.com

Trains R Fun Frazier, PA 610-644-4585 www.rccarsrfun.com

The Hobby Shop Aberdeen, NJ 732-583-0505 www.hobbyshopnj.com

Just Trains Newark, DE 888-453-9742 www.iustrains.com

Engine House Hobbies Gaithersburg, MD 301-590-0816 www.enginehousehobbies.com

The Train Room Hagerstown, MD 301-745-6681 www.the-train-room.com

J & R Junction Liverpool, NY 315-451-6551 www.jrjunction.com



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400E STEAM ENGINE -





Harley-Davidson[®] - 400E Tinplate Steam Engine 10-1265-1 w/Proto-Sound® 2.0 \$899.95

10-1265-0 Traditional \$899.95 FEATURES _____

Traditional Features

- Baked Enamel Finish
- Colorful Paint Scheme
- Metal Wheels and Axles
- Operating Metal Latch Couplers
- Metal Handrails and Decorative
- Stamped Steel Boiler
- Die-Cast Tender Body
- Die-Cast Metal Chassis
- Track Voltage Operating Headlight
- Bild-a-Loco Motor
- Mechanical E-Unit
- Nickel or Brass Trim
- Operates On STD-42 Curves
- Unit Measures:
- 32 1/2" x 4 1/4" x 5 3/4"

Additional Proto-Sound[®] Features

- Constant Voltage Headlight
- Precision DC Can Motor
- Locomotive Speed Control
- Synchronized Puffing
- ProtoSmoke[™] System

HARLEY-DAVIDSON

Company.

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Columbia, Maryland 21046

7020 Columbia Gateway Drive.

Manufactured by M.T.H. Electric Trains

under license from Harley-Davidson Motor

Proto-Sound[®] 2.0 With The Digital Command System Featuring Freight Yard Proto-Effects™

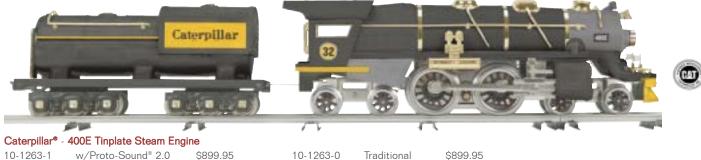




John Deere - 400E Tinplate Steam Engine John Deere is a registered trademark of Deere & Company.



Circus - 400E Tinplate Steam Engine 10-1261-1 w/Proto-Sound[®] 2.0



10-1263-1



Crackle Black w/Brass Trim - 400E Tinplate Steam Engine 10-1262-1 w/Proto-Sound[®] 2.0 \$899.95

10-1264-1 w/Proto-Sound[®] 2.0 \$899.95



10-1262-0 Traditional

\$899.95



\$899.95

\$899.95

ALC: NAME OF

of the second

w/Proto-Sound® 2.0 \$899.95

Produced from 1931 to 1939, the 400E was the best standard gauge steamer that money could buy. In the late 1930s, a 400E with a train of passenger cars would set you back about 75 dollars — the same as a train trip from Chicago to San Francisco, including a sixteen-day stay in the city by the bay. The 1931 catalog that introduced the 400E depicted a real engineer praising the model to a pair of knicker-clad boys: "'Just like mine' says Bob Butterfield, engineer of the 20th Century Limited." Apparently the engineer of the New York Central 4-6-4 Hudson ignored the fact that the 400E was short one set of drivers, to enable it to negotiate standard gauge curves. While the 400E is best known for pulling the Blue Comet passenger set, it is also one of only two steamers to be cataloged with the large 200series freight cars.

M.T.H. is proud to make the shiny baked-enamel finish of this largest of standard-gauge steamers available in several never-before-offered paint schemes. Turn to pages 24 –26 for a selection of 200-series freight cars and cabooses to complement these handsome locomotives.

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390E STEAM ENGINE -



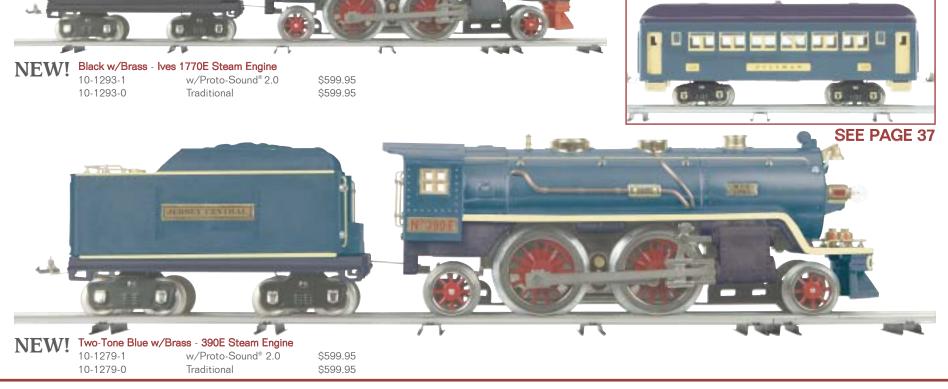






NEW! Black w/Brass - 390E Steam Engine 0-1278-1 w/Proto-Sound® 2.0 10-1278-0 Traditional





FEATURES

- Metal Handrails and Decorative Bell
- Decorative Metal Whistle
- Die-Cast Tender Body
- Track Voltage Operating Headlight
- Bild-a-Loco Motor
- Unit Measures: 27" x 3 9/16" x 5 1/6"
- Operates On STD-42 Curves

Additional Proto-Sound[®] 2.0 Features

- Constant Voltage Headlight
- Precision Flywheel Equipped Motor
- Locomotive Speed Control
- Synchronized Puffing ProtoSmoke™ System Proto-Sound® 2.0 With The Digital
- Command System Featuring: Freight Yard or Passenger Station Proto-Effects

Traditional Features

- Stamped Steel Boiler

- Baked Enamel Finish

- Brass Trim

- Colorful Paint Scheme

- Metal Wheels and Axles

- Operating Metal Latch Couplers

- Die-Cast Metal Chassis

\$599.95 \$599.95



In 1929, steam engines reappeared in the Lionel standard gauge lineup after a six-year absence. The new 390 steamer and its smaller sibling, the 384, were available with manual reverse or as higher-priced "E" models with electronic reverse. Among the many paint schemes offered for the 390 was the original Blue Comet two-tone blue with cream stripe, based on the Central of New Jersey luxury train inaugurated earlier the same year. The 390 was offered with matching 300-series passenger cars as well as the larger 420-series Blue Comet cars. Within a few years, however, the 390 would cede its position at the top of the lineup to the massive 400E that, pulling the same 420-series Blue Comet cars, would become a toy train legend.

New for 2007, M.T.H. introduces the 390E in two of its original paint schemes, with matching 300-series passenger sets. Enjoy this standard gauge steamer with a 1930s-style openframe Bild-a-Loco motor and electronic reverse, or with modern Proto-Sound[®] 2.0 electronics with sound. cruise control. and puffing smoke.

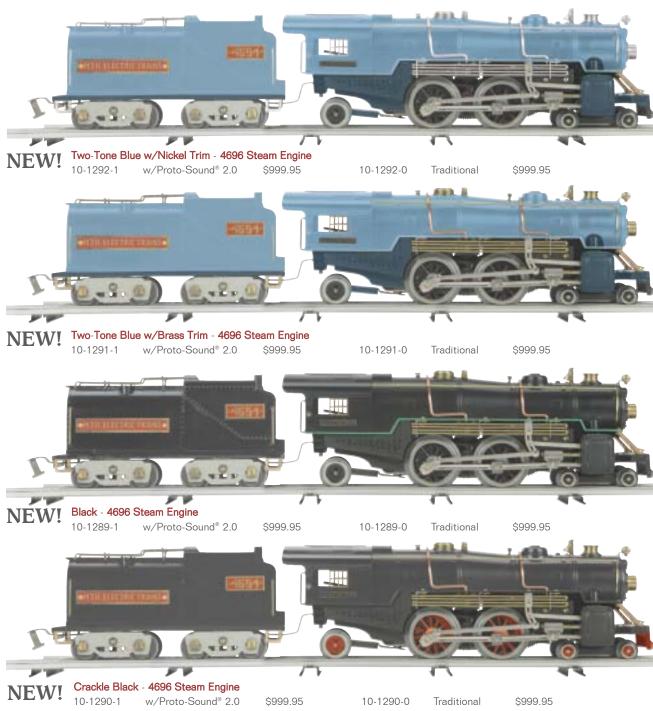
ADD MATCHING PASSENGER CAR SET!

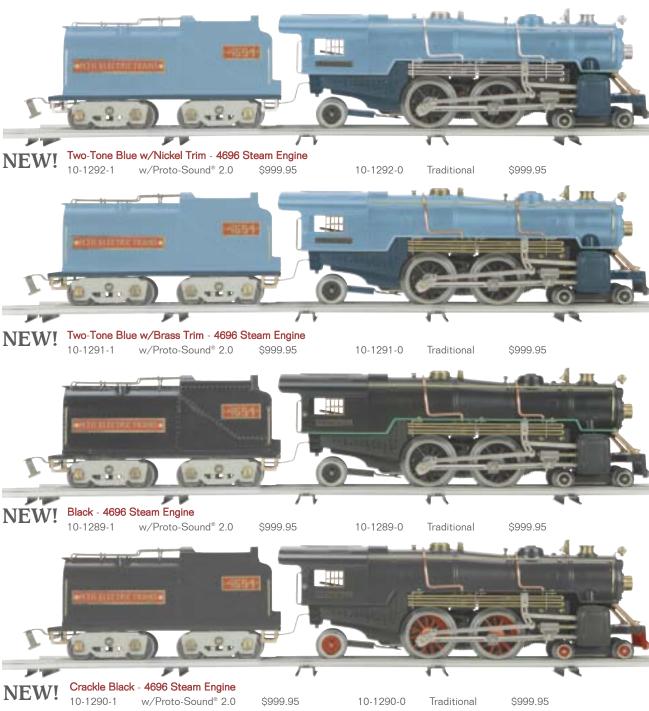
4696 STEAM ENGINE



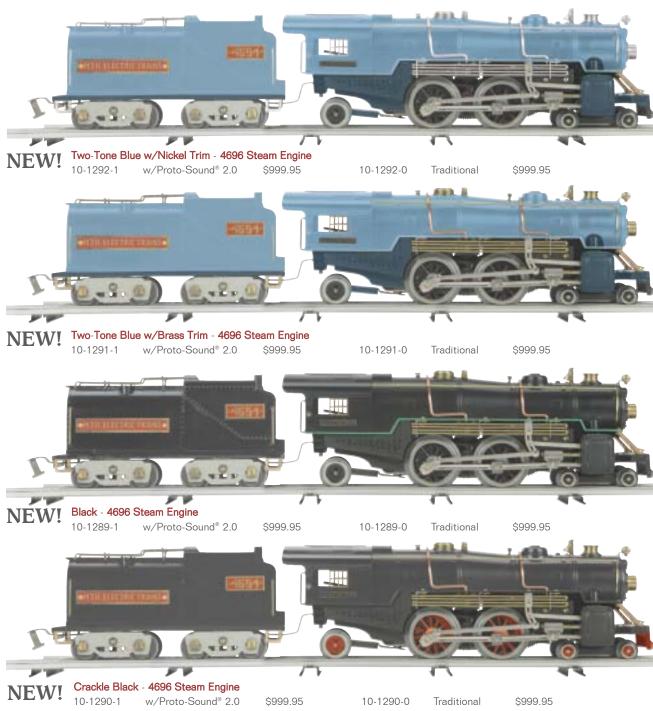












FEATURES

- Die-Cast Metal Chassis
- Track Voltage Operating Headlight
- Bild-a-Loco Motor
- Mechanical E-Unit
- Brass and Nickel Trim
- Operates On STD-42 Curves
- Unit Measures: 26 1/4" x 5 1/4" x 4 1/4"

Additional Proto-Sound[®] 2.0 Features

- Constant Voltage Headlight
- Precision DC Can Motor
- Locomotive Speed Control
- Synchronized Puffing ProtoSmoke[™] System - Proto-Sound[®] 2.0 With The Digital
- Command System Featuring Passenger Station or Freight Yard Proto-Effects™

ALL DIE-CAST CONSTRUCTION

PERFECT FOR 4000 SERIES FREIGHT CARS SEE PAGE 30

Traditional Features

- Baked Enamel Finish

- Colorful Paint Scheme

- Metal Wheels and Axles

- Die-Cast Broiler and Cab

- Die-Cast Tender Body

- Operating Metal Latch Couplers

- Metal Handrails and Decorative Bell

With not a touch of modesty, the 1931 American Flyer catalog introduced the firm's new standard gauge steamer: "The magnificent realistic wide gauge Steam type locomotive Model 4696 is a faithful reproduction of the crack B. & O. locomotive President Washington. The faithful design is a striking example of scale reproduction. It is conceded by the most critical to be the finest miniature model ever made." In fact this description had a lot of truth to it. Of course Flyer, like Lionel with its 400E, ignored the fact that the prototype locomotive had one more set of drivers than the model. But Flyer's fully die-cast steamer with added-on brass parts was arguably better proportioned and more accurately detailed than competitive sheet-metal models from Lionel and lves. Cataloged from 1931 to 1935, the top-ofthe-line 4696 was introduced at a price of \$43.50, the equivalent of several weeks pay for an average worker.

New for 2007, M.T.H. introduces this replica of perhaps the best-proportioned standard gauge steamer ever made. Like the original, our model features a die-cast engine and tender, but without the metallic impurities that caused many of the original castings to deteriorate drastically with age. Enjoy the 4696 in the original black or in several attractive new paint schemes — with your choice of a 1930s-style open frame motor or modern Proto-Sound[®] 2.0 electronics with sound and puffing smoke.

318E LOCOMOTIVE











NEW!

10-1272-1

10-1272-0

NEW! Dark Gray - 318E Locomotive 10-1270-1 10-1270-0 Traditional

Traditional Features

- Stamped Steel Body
- Baked Enamel Finish
- Colorful Paint Scheme
- Brass Trim
- Metal Wheels and Axles
- Operating Metal Latch Couplers

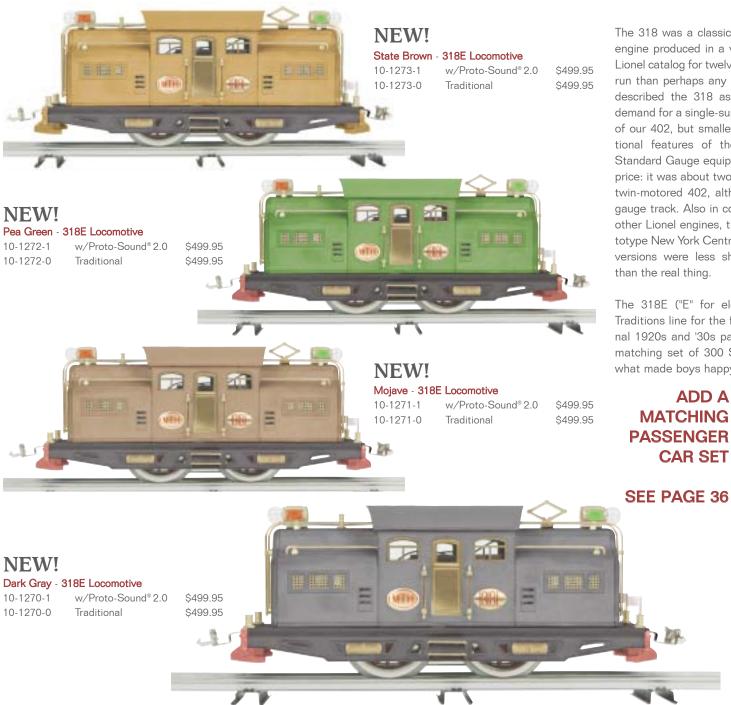
- Metal Handrails - Decorative Metal Whistle
- Track Voltage Operating Headlights
- Bild-a-Loco Motor
- Operates On STD-42 Curves
- Unit Measures:
 - 13 1/8" x 3 3/4" x 5 3/16"

Additional Proto-Sound® 2.0 Features

- Constant Voltage Directional Headlights
- Precision Flywheel Equipped Motor
- Locomotive Speed Control

FEATURES

- Proto-Sound[®] 2.0 With The Digital
- Command System Featuring Passenger Station Proto-Effects™



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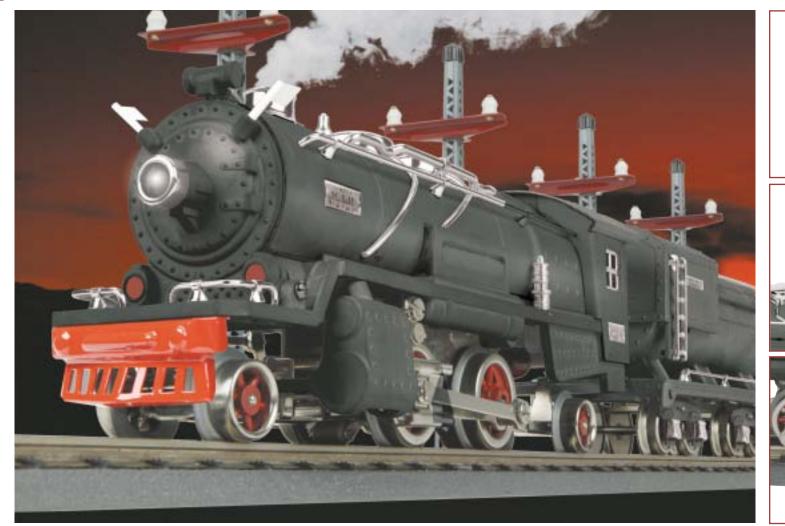
The 318 was a classic of the tinplate era, a medium-priced engine produced in a variety of colors that remained in the Lionel catalog for twelve years, 1924-35 - a longer production run than perhaps any other tinplate loco. The 1925 catalog described the 318 as "Introduced in response to a great demand for a single-super-motor locomotive built on the lines of our 402, but smaller and contains many of the constructional features of the larger engine." Like most Lionel Standard Gauge equipment, the 318 was sized according to price: it was about two-thirds the size of the more expensive twin-motored 402, although both engines ran on the same gauge track. Also in common with the 402 and a number of other Lionel engines, the 318 was based loosely on the prototype New York Central S-type boxcab - although the Lionel versions were less sharp-edged and arguably handsomer than the real thing.

The 318E ("E" for electronic reverse) joins the Tinplate Traditions line for the first time in 2007, in four of the original 1920s and '30s paint schemes. Pair this engine with a matching set of 300 Series passenger cars to experience what made boys happy eight decades ago.

ADD A MATCHING PASSENGER **CAR SET**

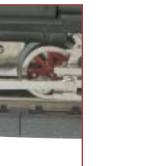


260E O-GAUGE LOCOMOTIVE AND TENDER











Crackle Black - 260E O Gauge Loco & Tender 10-3030-1

10-3020-1

10-3029-1



- Baked Enamel Finish
- Nickel Trim
- Metal Wheels and Axles
- Remote Controlled Latch-Type Proto-Coupler™
- Constant Voltage Headlight
- Precision Flywheel Equipped Motor

FEATURES

- Locomotive Speed Control
- Die-Cast Metal Chassis
- Die-Cast Tender
- Stamped Steel Boiler
- Synchronized Puffing ProtoSmoke™ System
- Unit Measures: 20 1/2" x 3 3/8" x 4"
- Operates On O-31 Curves

- Proto-Sound[®] 2.0 With The Digital Command System Featuring: Freight Yard or Passenger Station Proto-Effects™



\$429.95 w/Proto-Sound® 2.0



Black w/Nickel - 260E O Gauge Loco & Tender w/Proto-Sound® 2.0 \$429.95

w/Proto-Sound[®] 2.0 \$429.95

ADD MATCHING PASSENGER CAR SET!

SEE PAGE 34

The 1930 Lionel catalog trumpeted the release of the firm's very first O gauge steam engine: "Boys — here is the most remarkable "O" Gauge Steam Type Locomotive that has ever been produced. Dozens of blue prints and photographs of famous new locomotives from railroads all over the country were examined, and the best features of each were utilized by Lionel's Engineering Department in designing this locomotive. It is built for speed and power. It is low, long, graceful and sturdy. Complete with its Pacific type oilburning tender, it represents a miracle of model railroad engineering.

"This New Lionel "O" Gauge Steam Type Locomotive is electrically-driven by the famous Lionel "Bild-a-Loco" motor — the motor that snaps out in a jiffy, and then can be taken apart and quickly reassembled by any boy.

"The rhythm of its double action pistons and driving rods is characteristic of a great "Mogul of the Rails." It will be the pride of every boy who owns one."

This top-of-the-line steam engine from 1930 through 1935 returns to the Tinplate Traditions line for 2007. And while its gleaming exterior is pure 1930s, our 260E with Proto-Sound 2.0 runs smoother than any original tinplate locomotive, delivering huge plumes of puffing smoke and a clanging bell and wailing whistle guaranteed to delight children of all ages. Our 260E is also outfitted with a "Latch-Type" Proto-Coupler[™] that can be remotely activated by the transformer to uncouple from its trailing cars. Pair this engine with a set of 710 Series or 2600 Series passenger cars, or 2800 Series freight cars, to experience the best of both the 1930s and the 21st Century.

249 O-GAUGE LOCOMOTIVE AND TENDER-











0-3031-1



10-3034-1





- Baked Enamel Finish

- Nickel and Brass Trim
- Metal Wheels and Axles
- Remote Controlled Latch-Type Proto-Coupler™
- Constant Voltage Headlight
- Precision Flywheel Equipped Motor

FEATURES

- Locomotive Speed Control
- Die-Cast Metal Chassis
- Stamped Steel Tender
- Stamped Steel Boiler
- Synchronized Puffing ProtoSmoke™ System
- Unit Measures: 18 1/2" x 3 3/8" x 4"
- Operates On O-31 Curves

- Proto-Sound[®] 2.0 With The Digital Command System Featuring: Passenger Station Proto-Effects™ NEW! Black w/Brass Trim - 249 O Gauge Loco & Tender w/Proto-Sound® 2.0

\$399.95



NEW! Two-Tone Blue - 249 O Gauge Loco & Tender w/Proto-Sound® 2.0

\$399.95

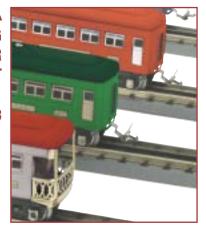


The Lionel catalog for 1936 introduced the new 249 as a "high speed powerful conventional locomotive with chrome plated trimmings and a wealth of embossed details." While smaller and less expensive than the 260E and its successor the 263, the 249 shared the same motor as its larger brethren. Cataloged until 1939, the 249 was part of the last hurrah of tinplate. When the 249 disappeared from the line, the production of high-quality, sheet-metal trains had passed into history.

New for 2007, M.T.H. introduces the 249 locomotive and matching 600 Series passenger cars (see page 38). Relive the colorful final days of tinplate with the added excitement of Proto-Sound® 2.0 sounds, smoke, and speed control.

ADD A MATCHING PASSENGER CAR SET

SEE PAGE 38



10-3032-1 w/Proto-Sound® 2.0 \$399.95

IVES 3245R LOCOMOTIVE



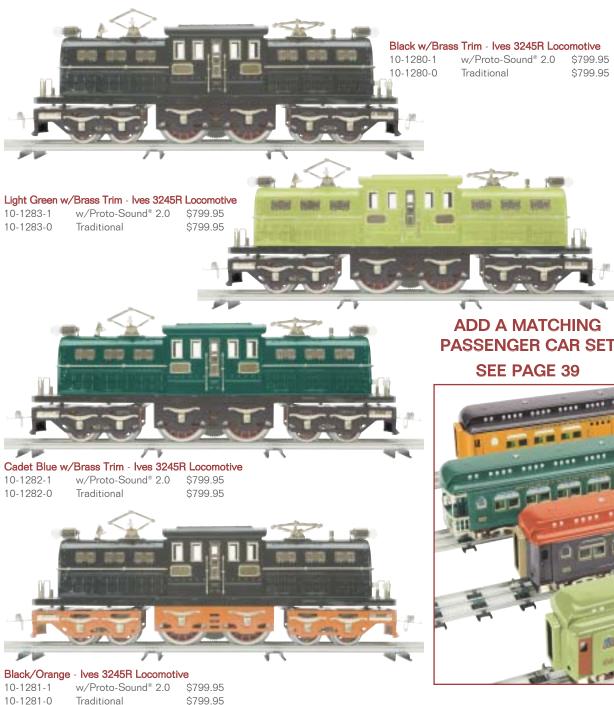




10-1283-1 10-1283-0



10-1282-1 10-1282-0



10-1281-1 10-1281-0

FEATURES

- **Traditional Features**
- Stamped Steel Body and Die-Cast Chassis
- Metal Wheels, Axles and Gears
- Operating Metal Latch Couplers
- Metal Handrails
- Operating Headlights
- Mechanical E-Unit

- AC Motor
- Unit Measures: 18 1/2" x 3 11/16" x 6"
- Operates On STD-42 Curves

Additional Proto-Sound[®] 2.0 Features

- Constant Voltage Directional Headlights
- Locomotive Speed Control
- Proto-Sound[®] 2.0 With The Digital Command System Featuring Passenger Station Proto-Effects™

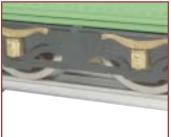
Looking much like two loaves of bread joined by a cracker box, the Milwaukee Road's Bi-Polar electric engines were a perfect example of heavy machinery of the 1920s. Their owner and General Electric, their builder, delighted in staging pulling contests such as a 1924 "Battle of the Giants," in which a Bi-Polar easily won a tug-of-war against a pair of steam locomotives, a 2-8-0 consolidation and a 2-6-6-2 mallet. With that kind of publicity, it seems no surprise that two east coast train makers chose this west coast engine as the prototype for their top-of-the-line Standard Gauge electrics: the lves 3245R and the Lionel 381E.

The lves version turned out to be one of the last products designed by lves and bearing the famous brass nameplate "Made in the lves Shops." The so-called "short hood" 3245R ("R" for remote reversing) came on the market in 1928, just as Lionel and American Flyer were taking over their bankrupt rival. The more impressive "long hood" version was cataloged in 1929 and 1930, the last years of production at lves' own factory, and this version returns to the Tinplate Traditions lineup for 2007. A product of the socalled "transition years" for lves, the original 3245R came with Lionel pantographs and Lionel flag holders on its pilots, and was sold with cars borrowed from the firm's new owners. In 1929 the lves engine was trailed by American Flyer cars with lves nameplates, trucks, and couplers. Around 1930, when Lionel became the sole owner of lves, the long hood 3245R came with Lionel passenger cars sold as the lves 240 series, with lves decals and a unique black and orange paint scheme to match the engine.

The Ives 3245R graces the Tinplate Traditions line again in 2007, offered in Ives' original black and orange paint scheme and three new "might have been" colors. Enjoy this unique replica of one of the last hurrahs of a great train maker, complete with matching lves 240 Series cars, with either a traditional tinplate open-frame motor or the sounds and operating features of Proto-Sound[®] 2.0

IVES 3236R LOCOMOTIVE













- **Traditional Features**
- Stamped Steel Body and Chassis
- Metal Wheels, Axles and Gears
- Operating Metal Latch Couplers
- Metal Handrails and Decorative Horn
- Operating Headlights
- Mechanical E-Unit

- AC Motor

- Unit Measures: 1 11/4" x 3 1/8" x 4 13/16"
- Operates On STD-42 Curves

Additional Proto-Sound[®] 2.0 Features

- Constant Voltage Directional Headlights
- Locomotive Speed Controls
- Proto-Sound[®] 2.0 With The Digital Command System Featuring Passenger Station Proto-Effects™

When Lionel and American Flyer took over lves in 1928, the big prize for Lionel was the rights to the lves reversing unit. The lves drum-type electric reverse was far superior to Lionel's own pendulum-type reverse, and the lves design eventually appeared throughout the Lionel line.

For four years after the 1928 takeover, the lves name remained alive during what collectors call the "transition period," as the lves factory was eventually shut down and remaining parts used up. One of the products of the transition period was the lves 3236R, which was actually a Lionel 8E body on an lves frame. The frame was carried over from an earlier lves electric-type locomotive. At the time, the 3236R was probably superior to the straight Lionel product, because the lves version had the better reversing unit. The 3236R was offered in 1929 and 1930, and was often sold with lves 180 Series passenger cars (see page 37).

New for 2007, the 3236R joins the Tinplate Traditions line in a variety of original paint schemes, as well as a black and yellow version offered here for the first time. Enjoy this transition era locomotive with either a traditional open-frame motor or all the bells and whistles of Proto-Sound[®] 2.0.

ADD A MATCHING PASSENGER CAR SET

SEE PAGE 35



#8E LOCOMOTIVE









NEW! Red & Cream - #8E Locomotive 10-1277-1 10-1277-0 Traditional





Orange - #8E Locomotive NEW! 10-1276-1 10-1276-0 Traditional

- Operating Headlight
- Unit Measures: 11 1/4" x 3 1/8" x 4 13/16"

FEATURES

- Operates On STD-42 Curves

Additional Proto-Sound[®] 2.0 Features

- Directionally Controlled Headlights
- Locomotive Speed Control - Proto-Sound[®] 2.0 With The Digital Command System Featuring: Freight Yard Proto-Effects™

Traditional Features

- Metal Wheels, Axles and Gears - Stamped Steel Body and Chassis
- Brass Trim
- Metal Handrails
- Baked Enamel Finish
- Operating Metal Latch Couplers
- 18

H H w/Proto-Sound[®] 2.0 \$499.95 \$499.95

F

Nº8E

Loosely based on a New York Central boxcab, the No. 8 was Lionel's lowest-priced Standard Gauge engine. But even this bottom-of-the-line model had flash and charm. Twin headlights allowed for night running, and a pantograph, whistle, and handrails adorned the roof. A brass insert. sometimes painted in a contrasting color, provided the window frames, number boards, and ventilator inserts on each side. Each pilot had flag holders, and shiny air tanks, journal boxes, and springs decorated the frame. The 1925 catalog extolled the virtues of the new addition to the line: "This locomotive contains the latest Super-Motor and is one of the very latest types of electric locomotives now being used on big electrified railroads." A new No. 8 with manual reverse would set a boy or his parents back \$11.50 in 1925. The 8E, with electric reverse, was introduced the following year at \$17.75. Both the manual and electric reverse models remained in the catalog through 1932, and were produced in a myriad of colors.

New for 2007, the No. 8E joins the Tinplate Traditions line in several authentic paint schemes, as well as an orange version produced here for the first time. Enjoy the clatter of a 1920s tinplate engine with a Traditional model with openframe motor, or experience the sounds, cruise control, and other features of Proto-Sound[®] 2.0.

Ŧ

- N98E

w/Proto-Sound[®] 2.0 \$499.95

\$499.95

NEW! Olive Green - #8E Locomotive 10-1275-1 w/Proto-Sound[®] 2.0 \$499.95 10-1275-0 Traditional

F

MIN DRIVES

\$499.95

H

408E ELECTRIC -











Gun Metal Gray - 408E Tinplate Electric Engine 10-1268-1 10-1268-0





Orange - 408E Tinplate Electric Engine 10-1266-1 10-1266-0

Traditional Features

- Metal Handrails and Decorative Horn
- Stamped Steel Body and Chassis
- Operating Metal Latch Couplers
- Colorful Paint Scheme
- Brass abd Nickel Trim
- Metal Wheels, Axles and Gears

FEATURES

- Operating Headlights - Mechanical E-Unit
- (2) Traditional Universal AC/DC Motors
- Unit Measures: 17 1/2" x 4 7/16" x 6 1/2"
- Operates On STD-42 Curves

Additional Proto-Sound[®] 2.0 Features

- (2) Precision Flywheel Equipped Motors
- Directionally Controlled Headlights
- Locomotive Speed Control

- Proto-Sound[®] 2.0 With The Digital Command System Featuring: Freight Yard Proto-Effects™

Did You Know?

The 408E was the largest Standard Gauge box cab electric locomotive built in the `20s.



The year was 1927 and the 408E was at the top of its class. The power-packed twin-motor Standard Gauge locomotive was a child of the earlier 402, but the 408E held its own on the family tree. Unlike the 402, the 408E boasted large collapsible pantographs that were better proportioned to the engine, more intricately designed trim, and marker lights on each end, in addition to the headlights. Ignoring real railroad practice of red markers to the rear and green markers to the front on certain trains, the 408E oddly followed nautical tradition: red lights on one side and green on the

When the larger 381 hit the scene in 1928, it knocked the 408E out of the top spot. It didn't take long for the 408E to step out of the new locomotive's shadow, however. The single-motor 381 didn't have the power to pull its accompanying train, the Transcontinental Limited. Known among collectors as the "State Set," the Transcontinental Limited had four 21 1/2" coaches - the largest Lionel ever made - and the 408E powered its way to the front of the line because it had the might to pull them.

Our superb replica of the 408E returns to the Tinplate Traditions line for 2007 in four new paint schemes. Add this twin-motored Standard Gauge behemoth to your collection and experience the majesty of one of the most impressive toy locomotives ever made.

Cream & Red	l - 408E Tin	plate Electric	Engine
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10-1269-1	w/Proto-Sound® 2.0	\$899.95
10-1269-0	Traditional	\$899.95

\$899.95

\$899.95

200 SERIES STANDARD GAUGE ROLLING STOCK-

Regardless of choice, each series features cars constructed from heavy stamped metal bodies and chassis with a profusion of brightly plated metal details. All cars include black or silver oxide finished trucks, nickel or brass truck journal boxes, and latch couplers for that authentic look and feel of yesteryear.

Equally at home behind M.T.H. or any other manufacturer's standard gauge locomotives, these stunningly attractive cars will add color and variety to any Esslinger's Lager - 200 Series Std. Gauge Reefer Car standard gauge layout or Christmas Garden.



10-2187 \$129.95



North Western Refrigerator - 200 Series Std. Gauge Reefer Car \$129.95 10-2186

REER

V

NHEUSER - BUSCH

CA



10-2178 \$139.95 John Deere is a registered trademark of Deere & Company.



Black - 200 Series Std. Gauge Hopper Car \$129.95 10-2193



10-2106 \$149.95



Coors Light - 200 Series Std. Gauge Reefer Car \$139.95

10-2182

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1 V Budweiser - 200 Series Std. Gauge Reefer Car 10-2181 \$139.95 "© 2006 Anheuser-Busch, Inc. All Rights Reserved."

NG OF ALL BOTTLED BEERS.

NHEUSER RUSCH



10-2191 \$129.95

10-2185 \$139.95



Caterpillar[®] - 200 Series Std. Gauge Hopper Car

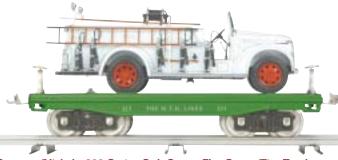
10-2184

\$139.95



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Orange w/Brass - 200 Series Std. Gauge Flat Car w/Fire Truck



Green w/Nickel - 200 Series Std. Gauge Flat Car w/Fire Truck 10-2107 \$149.95

FEATURES _____

- Stamped Steel Body and Chassis
- Metal Wheels and Axles
- Operating Metal Latch Couplers
- Baked Enamel Finish
- Colorful, Attractive Paint Schemes
- Brass or Nickel Trim
- Unit Measures:14" x 4" x 5 1/4"
- Operates On STD-42 Curves

200 SERIES STANDARD GAUGE ROLLING STOCK-

10-2183

Con States

10-2190

PRR

84

Pennsylvania - 200 Series Std. Gauge Cattle Car

\$129.95

and the state of

100

Circus - 200 Series Std. Gauge Gondola Car w/Containers

\$129.95





Harley-Davidson[®] - 200 Series Std. Gauge Gondola Car w/Containers 10-2189 \$129.95



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John Deere - 200 Series Std. Gauge Caboose 10-2180 \$139.95 John Deere is a registered trademark of Deere & Company.



Circus No. 120200 - 200 Series Std. Gauge Caboose 10-2195 \$129.95



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o

Harley-Davidson[®] - 200 Series Std. Gauge Caboose 10-2194 \$139.95



10-2211



10-2217



10-2213



500 SERIES STANDARD GAUGE ROLLING STOCK-

Pennsylvania No. 34926 - 500 Series Std. Gauge Box Car \$99.95



New York Central No. 174907 - 500 Series Std. Gauge Box Car 10-2212 \$99.95

Merchants Despatch Trans. Co. No. 124 - 500 Series Std. Gauge Reefer Car \$99.95



Du Bois Brewing Co. No. 1896 - 500 Series Std. Gauge Reefer Car 10-2218 \$99.95

Pennsylvania No. 10007 - 500 Series Std. Gauge Cattle Car \$99.95



Erie No. 514 - 500 Series Std. Gauge Cattle Car 10-2214 \$99.95



500 SERIES STANDARD GAUGE ROLLING STOCK-



Jersey Central No. 92511 - 500 Series Std. Gauge Tank Car 10-2219 \$99.95



Waddell Coal No. 102 - 500 Series Std. Gauge Hopper Car 10-2215 \$119.95



Buffalo Gasoline No. 657 - 500 Series Std. Gauge Tank Car 10-2220 \$99.95



Pittsburgh Champion Coal No. 807 - 500 Series Std. Gauge Hopper Car 10-2216 \$119.95



10-8055 \$79.95



10-8053 \$79.95



Pennsylvania No. 478117 - 500 Series Std. Gauge Caboose 10-2221 \$119.95



New York Central No. 20112 - 500 Series Std. Gauge Caboose \$119.95 10-2222

FEATURES ____

- Stamped Steel Body and Chassis
- Metal Wheels and Axles
- Operating Metal Latch Couplers
- Baked Enamel Finish
- Colorful, Attractive Paint Schemes
- Nickel and Brass Trim
- Unit Measures:14 3/4" x 3 7/8" x 4 7/8"
- Operates On STD-42 Curves



10-8062 \$79.95

2800 SERIES 0 GAUGE ROLLING STOCK-

Union Pacific No. 12578 - 2814 Series O Gauge Box Car



Pennsylvania No. 69308 - 2814 Series O Gauge Box Car 10-8056 \$79.95

Altoona 36 Lager No. 360247 - 2800 Series O Gauge Reefer Car

Fort Pitt Brewing - 2800 Series O Gauge Reefer Car 10-8054 \$79.95

Santa Fe No. 27026 - 2800 Series O Gauge Cattle Car

New York Central No. 23385 - 2800 Series O Gauge Cattle Car 10-8061 \$79.95



- Baked Enamel Finish
- Nickel and Brass Trim
- Stamped Steel Body and Chassis
- Metal Wheels and Axles
- Automatic Metal Box Couplers
- Unit Measures: 10 1/4" x 2 5/8" x 3 7/8"
- Operates On O-31 Curves

-2800 SERIES 0 GAUGE ROLLING STOCK-

MTH is proud to reintroduce a new generation of O Gauge tinplate lovers to the classic looks of the 800 series freight car. First introduced in 1926, the 800 series was quite popular. Like their other Tinplate Traditions series bretheren, the 800 series cars are constructed entirely of stamped metal components. Each car features black oxide finished trucks, truck journal boxes and box couplers for that authentic look and feel of yesteryear. Equally at home behind the MTH 260E, 263E or any other large O Gauge locomotive, these stunningly attractive freight cars add color and variety to any O Gauge layout or Christmas Garden.



Shamrock Oil & Gas No. 6207 - 2816 Series O Gauge Tank Car 10-8066 \$79.95



Islay's No. 453027 - 2816 Series O Gauge Tank Car 10-8065 \$79.95





Reading No. 87005 - 2816 Series O Gauge Hopper Car 10-8064 \$79.95







Chicago NorthWestern - 2800 Series O Gauge Flat Car w/Log Load 10-8057 \$79.95



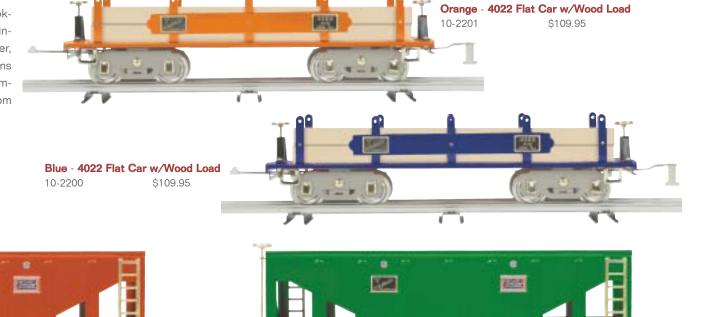
Reading - 2800 Series O Gauge Flat Car w/Log Load 10-8058 \$79.95



2800 SERIES 0 GAUGE ROLLING STOCK-

4000 SERIES ROLLING STOCK-

Like the 4696 steam engine on page 6, American Flyer 4000-series freight cars were less stubby-looking and more realistically proportioned than the tinplate trains of other manufacturers. The same longer, lower look would characterize the S-gauge toy trains made by American Flyer in the 1950s, after the company had been sold to Gilbert and moved from Chicago to New Haven.



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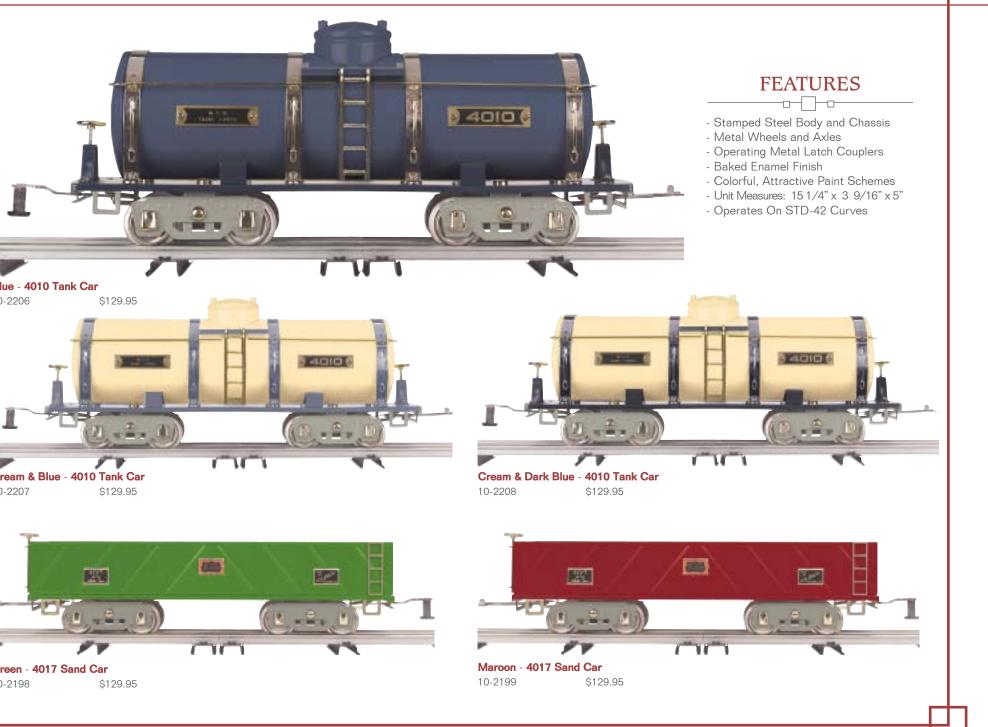
Blue - 4020 Stock Car 10-2204 \$129.95



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Cream & Maroon (Roof) - 4020 Stock Car 10-2205 \$129.95

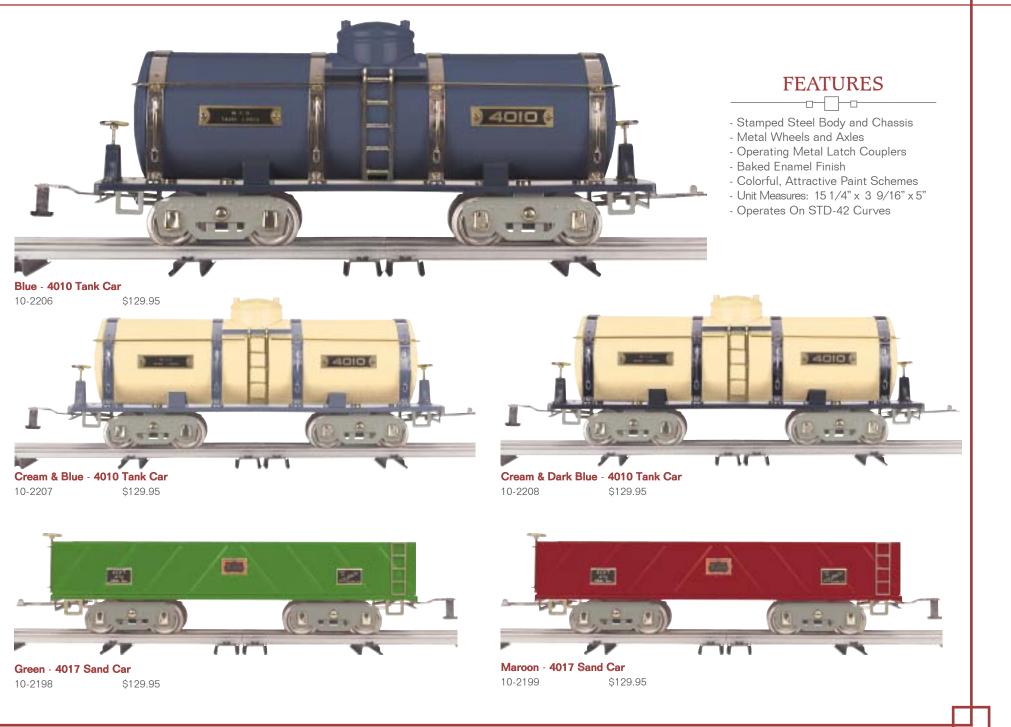


31





10-2207



4000 SERIES ROLLING STOCK-









10-5078



10-2210 \$139.95



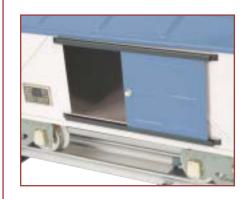




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10-5080

10-5077







- Stamped Steel Body and Chassis
- Metal Wheels and Axles
- Operating Metal Latch Couplers
- Baked Enamel Finish
- Colorful, Attractive Paint Schemes
- Car Measures: 15 1/4" x 3 9/16" x 5"
- Operates On STD-42 Curves

330 SERIES BAGGAGE CARS -

\$149.95



\$149.95







FEATURES - Baked Enamel Finish

- Stamped Steel Body and Chassis
- Metal Wheels and Axles
- Operating Metal Latch Couplers
- Unit Measures:14 1/2" x 3 1/8" x 5"
- Operates On STD-42 Curves

-710 SERIES O-GAUGE PASSENGER SETS

Introduced in 1924 and remaining in production until 1934, the original 710 Series Passenger Cars were big, measuring 11 1/2 inches long and 4 1/4 inches high. Typically, these cars were considered top-of-the-line passenger cars every year they were produced.

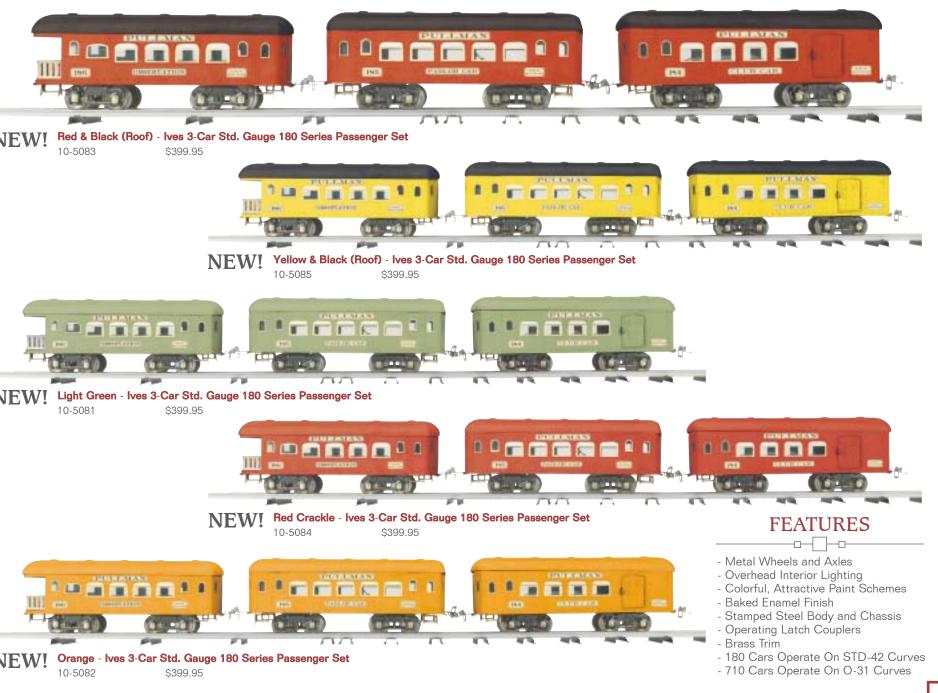
The 710 Series cars make their debut in M.T.H.'s Tinplate Traditions line in 2005. Like their original counterparts, these high quality all-metal reproductions are brightly Two-Tone Blue - 3-Car O Gauge 710 Series Passenger Set painted and adorned brass or nickel trim. Each car makes a wonderful complement to the 260E O Gauge Steam Locomotive.



\$399.95 10-8508

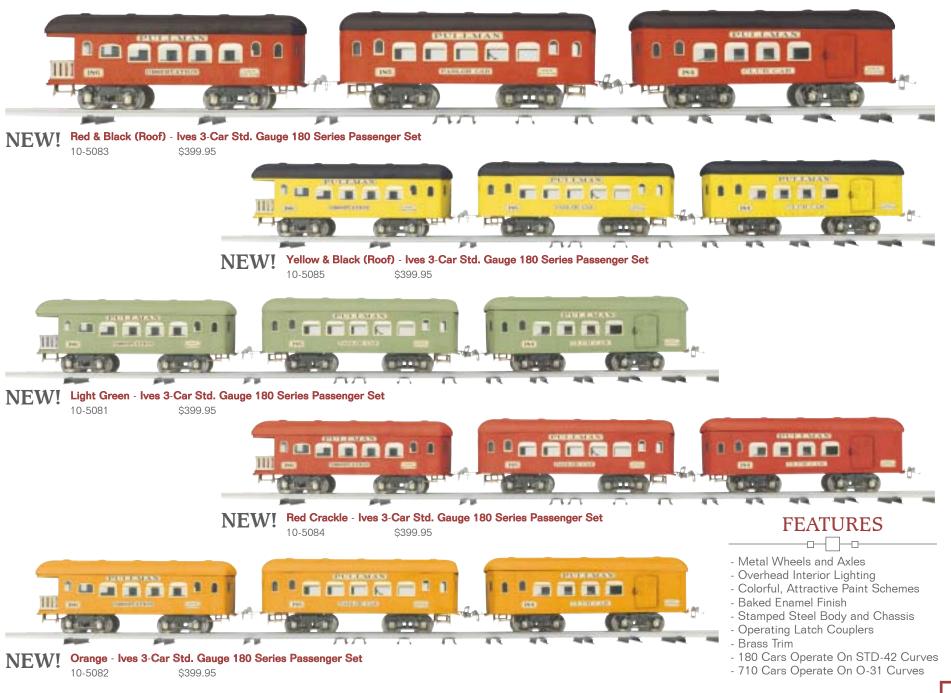






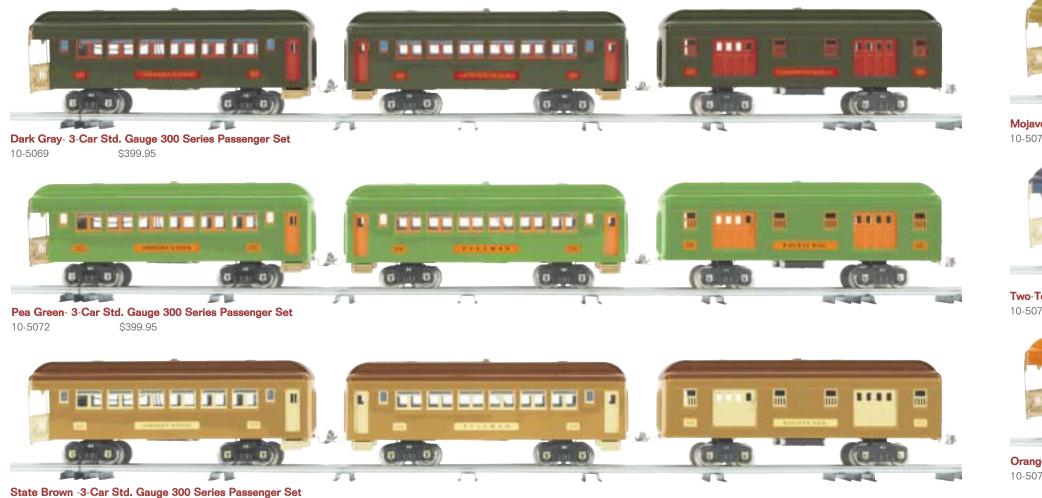
Black & Red - 3-Car O Gauge 710 Series Passenger Set 10-8505 \$399.95





180 SERIES PASSENGER SETS

300 SERIES PASSENGER SETS-



10-5074

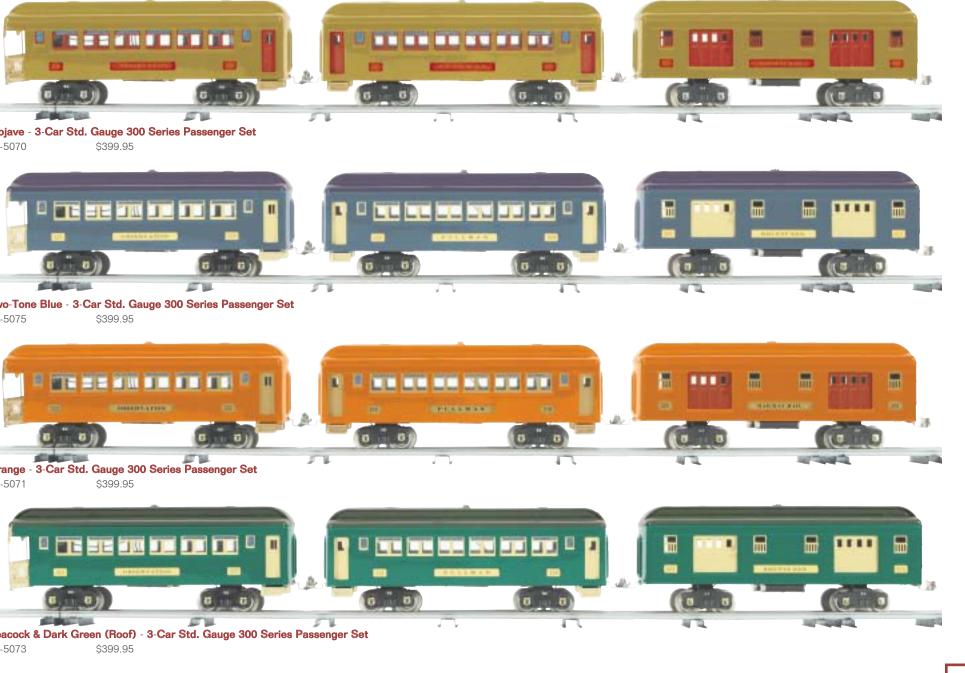
\$399.95

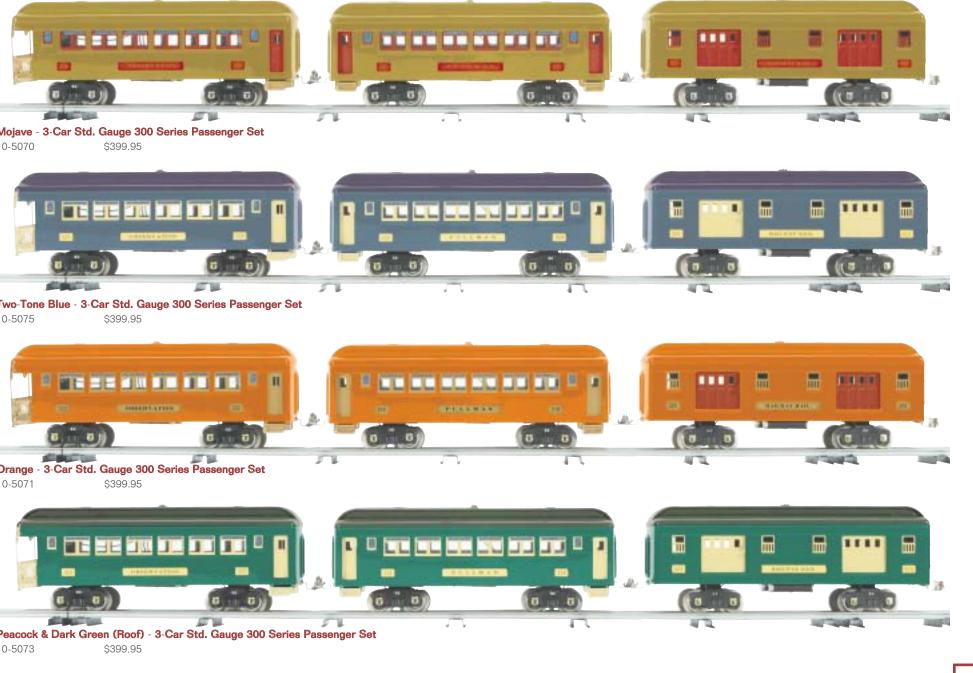
Tinplate passenger trains - faithfully re-created from stamped metal components - and generally boasting bright, colorful enamel paint are not meant to be accurate reproductions of real trains. The attractive liveries found on the 2004 418 passenger sets are an excellent example of how color and realism can be mixed together in the tinplate category. Regardless of the deco scheme, these cars match their original counterparts from the early 20th Century detail for detail, feature for feature.

FEATURES

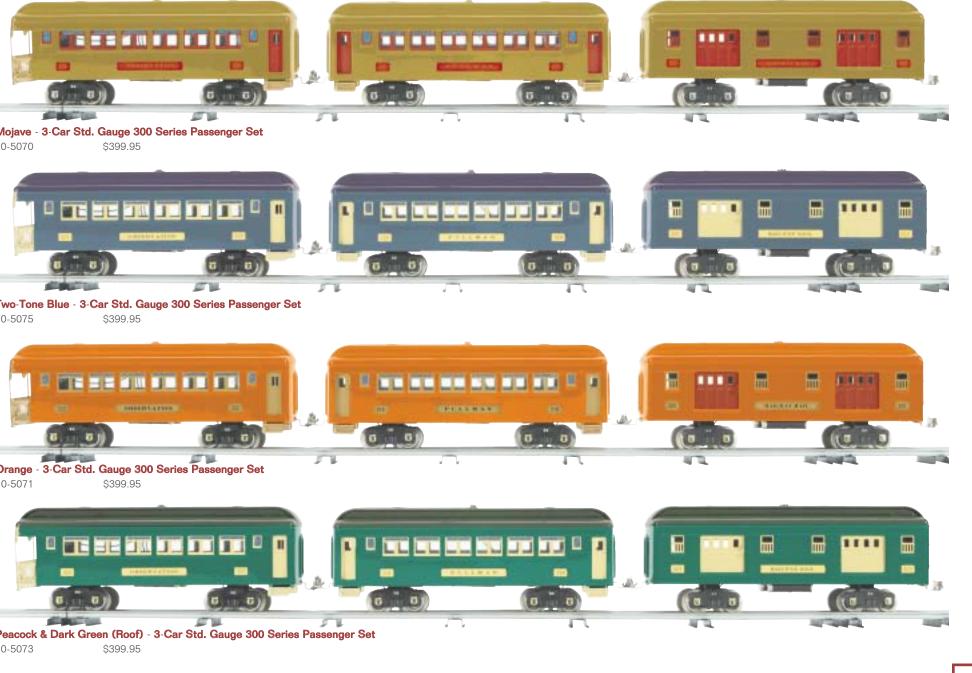
-Metal Wheels and Axles -Overhead Interior Lighting -Baked Enamel Finish -Brass Trim

-Stamped Steel Body and Chassis -Operating Latch Couplers -Colorful, Attractive Paint Schemes -3-Car Sets Feature: (1) Baggage, (1) -Coach, (1) Observation -Unit Measures:43 1/2" x 3 1/8" x 5" -Operates On STD-42 Curves

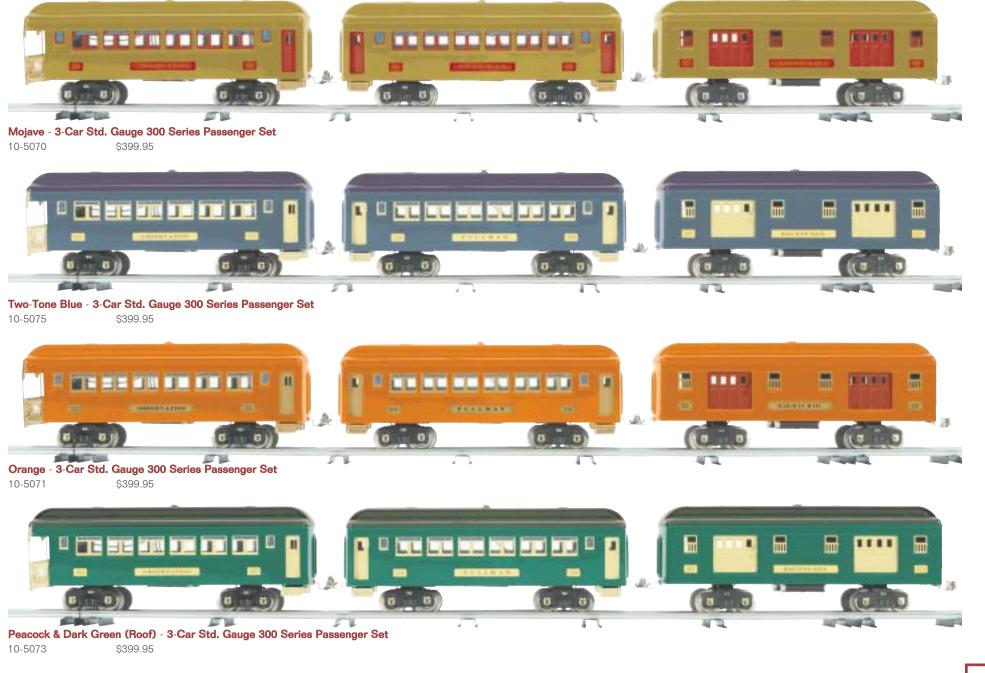




10-5075



10-5071



600 SERIES O-GAUGE PASSENGER SETS



of Lot L. L. Dor H. M.

Two-Tone Blue - 3-Car O Gauge 2600 Series Passenger Set

\$299.95

NEW! Two-Tone Green - 3-Car O Gauge 2600 Series Passenger Set

\$299.95

NEW! Silver & Red (Roof) - 3-Car O Gauge 2600 Series Passenger Set

\$299.95





Apple Green - Ives 4-Car Std. Gauge 240 Set 10-5086 \$699.95

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FEATURES

- Stamped Steel Body and Chassis

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FEATURES

- Stamped Steel Body and Chassis

- Operating Metal Latch Couplers

Colorful, Attractive Paint Schemes

Car Measures: 15 1/4" x 3 9/16" x 5"

- Metal Wheels and Axles

Baked Enamel Finish

- Operates On O-31 Curves

- Metal Wheels and Axles
- Operating Metal Latch Couplers
- Baked Enamel Finish
- Colorful, Attractive Paint Schemes
- Car Measures: 15 1/4" x 3 9/16" x 5"
- Operates On STD-42 Curves

NEW!

10-8503

10-8504

10-8502

240 SERIES PASSENGER SETS

AR AREA AND AND AND THE OF

Cadet Blue - Ives 4-Car Std. Gauge 240 Set 10-5089 \$699.95

ACCESSORIES



Cream/Green - 116 Passenger Station 10-4056 \$399.95 Unit Measures:19 1/2" x 9 1/4" x 9"

Brick/Black - 116 Passenger Station 10-4055 \$399.95 Unit Measures:19 1/2" x 9 1/4" x 9"

White/Red - 116 Passenger Station 10-4057 \$399.95 Unit Measures:19 1/2" x 9 1/4" x 9"



Cream/Maroon - #1875 lves Freight Shed 10-4051 \$299.95 Unit Measures:18" x 6 1/2" x 11"

White/Red - #155 Freight Shed 10-4048 \$299.95 Unit Measures:18" x 6 1/2" x 11"



192 Villa Set 10-4059 \$199.95 Unit Measures:7" x 5" x 5 1/4"



Small Oil Drum Set (10 Piece) - Undecorated 10-4019 \$19.95

Christmas AF Std. Gauge Switch Tower 10-4062 \$299.95 Unit Measures:11 7/8" x 7 9/16" x 9 1/4" Green/Cream/Maroon AF Std. Gauge Switch Tower

IIII

10-4053 \$299.95 Unit Measures:11 7/8" x 7 9/16" x 9 1/4"

192 Villa Set

Unit Measures:7" x 5" x 5 1/4"

10-4072



Cream/Orange/Green AF Std. Gauge Switch Tower 10-4054 \$299.95 Unit Measures:11 7/8" x 7 9/16" x 9 1/4"

Pennsylvania AF Std. Gauge Switch Tower 10-4062 \$299.95 Unit Measures:11 7/8" x 7 9/16" x 9 1/4"

\$199.95



White/Red - 300 Hellgate Bridge 10-1016 Unit Measures: 21" x 10 7/8" x 11"



Green/Cream - 300 Hellgate Bridge 10-1015 \$499.95 Unit Measures: 21" x 10 7/8" x 11"



10-4073 \$69.95 Unit Measures:7" x 5" x 5 1/4"



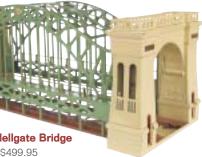
840 POWERHOUSE _____

The original 840 Power Station was cataloged for 14 years, from 1928-1942. The steps, smokestacks, and water tower included with this Tinplate Traditions reproduction are often missing from the suriving originals, having been lost through the years. M.T.H. models the original green, cream, and terracotta as well as the rumored but apparently lost white and red version.

> w/Operating Smoke Stacks \$499.95 Unit Measures: 26" x 19 1/2" x 18"

\$499.95

an III



White/Red - 840 Powerhouse w/Operating Smoke Stacks 10-4024 \$499.95 Unit Measures: 26" x 19 1/2" x 18

436 Powerhouse - Mojave/Cream/Green 10-4050 \$149.95 Unit Measures:9 1/4" x 7 3/4" x 10 1/2"

Cream/Orange - 840 Powerhouse

10-4023

41

ACCESSORIES

NO. 85 RACE CAR SET -----

Even model train manufacturers recognized that not all travelers got to their destinations by rail. Consequently, several "transportation toys" debuted early in the history of model railroading and were marketed to tinplate model railroaders as accessories for their layouts.

The No. 85 Race Car Set of 1912 - 1916 was the forerunner of the slot car era of the 1960s. Two tinplate racing cars, featuring rubber tires and cast driver and mechanic figures, sped around a two-lane oval. Powered by a standard AC transformer, the cars would zip around the track with pickups sparking and motors whining.

The No. 85 set returns to life in the Tinplate Traditions line and can be expanded with additional straight and curved sections of track. This limited-run item is a must for any collector looking to recreate the full range of tinplate products offered in the early years of the last century.



10-4058 Blue & Green

10-4027 Red & Yellow



Straight Race Car Track Section 10-4028 \$19.95

Inside Curve Race Car Track Section 10-4029 \$19.95

Outside Curve Race Car Track Section 10-4030 \$19.95

No. 85 Race Car Set 0-4027 \$699.95

No. 85 Race Car Set

\$699.95 10-4058 Inner Loop Measures: 36 1/4" x 50" Outer Loop Measures: 43 1/2" x 57 3/4"







Item # 10-4027

- (2) Stamped Metal Race Cars
- (2) Race Car Figures
- Start/Finish Line
- 4 Straight Track Sections
- 7 Inside Curve Sections
- 7 Outside Curve Sections
- 1 Power Inside Curve Section
- 1 Power Outside Curve Ssection
- Track Oval Measures 43 1/2" x 57 3/4"
- Operates With Any AC Output

Item# 10-4058

FEATURES

- (2) Stamped Metal Race Cars
- (2) Race Car Figures
- Start/Finish Line
- 4 Straight Track Sections
- 7 Inside Curve Sections
- 7 Outside Curve Sections
- 1 Power Inside Curve Section
- 1 Power Outside Curve Ssection
- Track Oval Measures 43 1/2" x 57 3/4"
- Operates With Any AC Output Transformer

Aluminum #63 Lamp Post Set 10-1108 \$39.95 Unit Measures: 13 3/4" Tall 10.00 Gray/Red #71 Telegraph Post Set 10-1093 Unit Measures:8 3/4" Tall

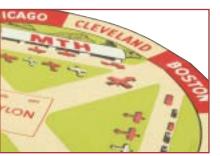


10-1043

Unit Measures: 22" Tall

42

NO. 55 AIRPLANE & NO. 49 AIRPORT SET W/MAT -0-[]-0-



No tinplate layout is complete without air travel plane receives its power from a built-in power Airplane and No. 49 Airport, originally cataloged the joysticks, and you're off and flying. from 1937 - 1939, provide a unique solution that takes your eyes up and above the bustling rail Few of the original No. 55 Airplanes survived the vards and mainlines.

through climbs and dives with two remote-con- tinplate enthusiasts. trol joysticks. Attached to a metal pylon, the air-

for its citizens. The No. 55 Remote Control supply hidden inside the pylon. Plug it in, grab

bumps and crashes from landings. Consequently, finding an original in good or A self-powered airplane circles the airport below excellent condition is a rare experience, making while you control its height, steering the plane this unique reproduction a great choice for most

FEATURES

- Stamped Metal Construction



100





\$129.95



TRACK-

Standard Gauge model railroad fans can find the classic look and style of tinplate track and switches only in our Tinplate Traditions[™] lineup. Best of all, M.T.H.'s track and switches are sure to be found far superior to those hard-to-find originals. Each switch is equipped with a realistic lighted switch block lantern and state-of-the-art switch motors and switch controllers, which ensure they will function flawlessly for years to come. Available in both regular radius and wideradius turnouts, each track section and switch is fully compatible with all standard gauge track and has features that give the Standard Gauge modeler incredible layout diversity.



Black Std. Gauge Switch - Right Hand 42 10-4101 \$79.95

Black Std. Gauge Switch - Left Hand 42 10-4102 \$79.95

Green Std. Gauge Switch - Right Hand 42

Green Std. Gauge Switch - Left Hand 42

\$79.95

\$79.95

\$89.95

\$89.95

Green Std. Gauge Switch (Wide Radius) - Left Hand 72

Green Std. Gauge Switch (Wide Radius) - Right Hand 72

10-4001

10-4002

10-4004

10-4003

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Std. Gauge Track - 1/2 Reg. Straight 10-1034 \$2.99



Std. Gauge Track - 84" Dia. Curved 10-4020 \$4 99



Std. Gauge Track - 36" Extra Ties Straight \$7.99 10-1045



Std. Gauge Track - 42 Reg. Curved 10-1039 \$3.99

Std. Gauge Track - 42 Reg. 1/2 Curved 10-1035 \$2.99



Track Activation Device (TAD) \$9.95 10-1037



Std. Gauge Track Bumpers \$49.95 10-4005



Std. Gauge 90* Crossover \$49.95 10-4006



WHY THE U.L. LISTING?

M.T.H. Electric Trains is committed to manufacturing safe, U.L. approved transformers and power supplies. By subjecting our transformers to the strenuous tests and requirements of the U.L. laboratories, M.T.H. helps ensure that these products meet the same requirements as other consumer electronics sold today. When choosing a new transformer, model railroaders should only look for those that have received a U.L. listing.



Std. Gauge Track - Reg. Straight

\$3.99

Std. Gauge Track - 72 Wide Radius Curve

Std. Gauge Track - Straight w/Extra Ties

\$4.49

\$6.99

Std. Gauge Track - 36" Reg. Straight

\$4.49

10-1038

10-1041

10-4040

10-1036

TRANSFORMERS -

While the power pack that comes with every RailKing Ready-To-Run set provides plenty of power to operate your set & several additional cars, you'll find as you add more track, cars, & accessories to your layout that you need more power to keep everything running. Fortunately, RailKing has you covered.

If you want to power up gradually, you can purchase additional 50-watt Z-500[™], 75-watt Z-750[™] or 100 watt Z-1000[™] transformers as the need arises. Featuring a U.L. approved design, each model utilizes a separate controller which contains bell, horn & direction buttons that can control any manufacturer's locomotives & sound systems including Proto-Sound® equipped steam, diesel & electric locomotives.

If you want to max out your power potential, the 400-watt Z-4000® is the most powerful transformer to receive the UL-listing for the model railroading hobby. The Z-4000 has two separate throttles to let you power two different tracks, & it has two fixed power outputs you can use for operating accessories. A single Z-4000 will power a lot of layout.



400 Watts! The Most Powerful U.L. Listed Transformer!

Z-4000 Transformer 40-4000 \$429.95

> Remote Control Receiver 40-4002 \$39.95

Allows for remote control of the voltage output of your Z-4000 transformer using the DCS Handheld.

Z-4000 FEATURES

- U.L. Listed to U.S. & Canadian Standards
- Pure Sine Wave Power Signal
- (2) 20 Volt Variable Track Outputs
- (1) 14 Volt Fixed Output
- (1) 10 Volt Fixed Output
- Internal Cooling Fan
- On/Off Power Switch
- Power and Overload Indicator Lights
- Compatible As A Power Source For All O Gauge and Standard Gauge AC-Powered Locomotives & Accessories
- Circuit Breaker Protection For Each Output
- Voltage LED Displays
- Amperage LED Displays
- Unit Measures: 8 3/4" x 14 3/4" x 11 1/8"

Z-1000 Transformer 40-1000 \$99.95 With 14 Volt Accessory Port



SIMPLY THE BEST WAY TO RUN A RAILROAD

got to see to became equipped with sound!

Unlike traditional or conventional means of operating a COMMAND CONTROL model railroad, command systems allow the user to inde- Operate up to 99 DCS-equipped engines independently at Passenger Station or Freight Yard Proto-Effects™ built technology and intuitive interface.

There is a new Upgrading to DCS unlocks more features than you'll find in PROTO-SOUND[®] 2.0 ENGINE SOUNDS way of controlling any other command control operating system — features that DCS offers individual control of dozens of sounds built into model railroads are factory-installed in every Proto-Sound® 2.0 train set loco- every M.T.H. locomotive. Rev the diesel motor up manually today that you've motive. Here's just a partial list of what DCS offers:

believe. It's called WIRELESS HANDHELD THROTTLE

DCS[™] (for Digital Run your whole railroad — locomotives, accessories, every-pendently adjustable volume control. Command System) and thing — from one or more DCS handheld remotes. An LCD it's the most revolution- screen indicates which engine you're controlling and its cur- TRAIN SOUNDS ary product to hit model rent speed, adjustable in one-scale-mile-per-hour increments. Add ambience to your railroad with the variety of train railroading since locomotives first Program engines and accessories on the same screen. For sounds built into Proto-Sound® 2.0. The DCS handheld nighttime operation, turn on the screen's backlight.

pendently control each engine even if other engines are on the same time on the same electrically continuous track — into every Proto-Sound[®] 2.0 locomotive. the same track at the same time. The concept has been using one or several DCS wireless handheld remotes. When around since the early 1990's, but only DCS[™] makes it you have guests, give each visitor a DCS handheld and let SMOKE CONTROL simple and easy to use — thanks to its state-of-the art them control their own engine. Just like the prototype, you can Adjust the smoke intensity for a steam or diesel engine at any double-head locomotives, add or drop helper engines, or bring time from the DCS remote. a train into the station with a mainline engine and then have a switcher break up the consist.

before moving your train. Activate auxiliary sounds such as steam letoff and crew conversations. Whistle, bell, and steam chuff or diesel prime mover sounds even have inde-

gives you access to effects such as wheel clickety-clack, coupler opening sounds, and the Doppler effect of a train passing by. DCS also offers one-button activation of the



CONSTANT LIGHTING

Because DCS operates with a constant voltage on Add a Lionel® Command Base to your DCS systhe rails (most operators use 18 volts), engine, tem and you can run engines equipped with caboose, and passenger car lights are always on at a TMCC[®] (Lionel's TrainMaster[®] Command constant intensity. No more "lights-out" when a pas- Control) side-by-side with DCS engines - all from senger train arrives at a station! the DCS handheld controller. If you prefer, you can even use a Lionel CAB-1[®] handheld to control PROGRAMMABLE OPERATION TMCC engines at the same time vou're controlling Record up to 90 minutes of DCS speed, direction, Proto-Sound engines with the DCS controller.

and sound commands as a program that your engines can repeat on demand. Use this feature to LISTEN TO YOUR FAVORITE TUNES run trains automatically on one part of your rail- WITH PROTO-CAST™ road while you manually control another area.

UPGRADABLE SOFTWARE

Unlike any DCC or any other command system, DCS is designed to be upgradable over BE YOUR OWN DISPATCHER the Internet. The latest software can be down- With DCS's built-in remote microphone, real-time loaded to any DCS system ever made, so new radio dispatch calls are just a button push away. features can be added and your investment will not become obsolete.

COMMAND CONTROL EXPLAINED

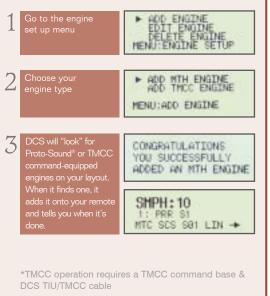
In conventional operation, an AC or DC transformer varies track current to adjust engine speed and direction. Command systems such as DCS[™], however, put a constant voltage on the track (around 18 volts for DCS) and vary speed by telling each engine how much of that voltage to use. Command control allows different engines to do different things - like run at different speeds, go in different \angle directions, or make different sounds - even when they are on the same track.

In the DCS system, commands such as speed, direction, and sound control are sent as radio signals from the handheld throttle to a TIU (track interface unit). The TIU translates those radio signals into digital information that is sent through the rails and picked up by a receiver in the appropriate engine telling it to go, for example, 37 miles per hour, blow the whistle, smoke more heavily, or any other command. DCS locomotives can also send information back to the handheld to let the operator know what they're doing.

TMCC® COMPATIBILITY

DCS is the only command control system that lets you hook up any audio source and play your favorite music right through the train!

INTUITIVE MENUS ALLOW YOU TO PROGRAM, SELECT, AND CONTROL ENGINES, SWITCHES, AND ACCESSORIES.



DCS	MICROPHONE
WIRELESS REMOTE HANDHELD	LCD DISPLAY
B/L - Screen backlight on/off AUX - Auxiliary menu ACC - Accessory menu BELL - Rings bell ENG - Engine menu to select and control ergines) MENU - Access 4 main menus Sound, Control, System, Advanced	SOFTKEYS - Activate locomotive features MC - Turns Proto-Dispatch ™ on & off TR - Track menu Access various tracks / blocks on your tayout SW - Switch menu W/H - Blows whistle/horn THUMBWHEEL - Throttle & selection (scroll & press) tool DIR - Changes locomotive direction
LABOR/REV UP OR DRIFT/REV DN Makes an engine sound like it's working harder or easier BOOST/BRAKE Temporarily Raises or Lowers Speed SMOKE - Turns smoke unit on & off VOL + - Globally increases all sounds ENG SND - Silences engine sounds VOL - Globally decreases all sounds HDLT - Turns headlights on & off PROTOCAST - Activates Proto-Cast TM READ - Search for TIUs, AIUs and Proto-Sound [®] 2.0 Engines on the track	CPLR-F/CPLR-R Fires front & rear couplers START UP - Activates sound, smoke & lights SHUT DOWN - Deactivates all sound, smoke & lights PFA - Activates Passenger/Freight Sounds E-STOP - Cuts power to all tracks DOPPLER - Activates Proto-Doppler [™]
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M.T.H.'s RealTrax® has received U.S. Patent No. 6.019.289. M.T.H.'s Z-4000® Transformer has received U.S. Patent No's. www.clipart.com

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2007 MTHRRC 200 Series Reefer 10-2223 Tinplate 200 Series Membership is \$120.00

O Gauge Tinplate Membership 2800 Series



2007 MTHRRC 2800 Series O Gauge Tank Car 10-8069 Tinplate 2800 Series Membership is \$80.00

Basic Club Membership The Basic Club Membership does not include a club car 60-1000 Basic Membership is \$25.00

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You will receive our full color Club magazines, jam-packed with product news, ideas from other members, rail history, & step-by-step articles explaining how M.T.H. technology can bring your railroad to life.

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8 How does it work?



-M.T.H. ONLINE-

Misplaced an instruction manual or just want to know how a product works? Use Advanced Search to look up the item and view its instruction manual.

GOT QUESTIONS? www.mthtrains.com has answers -0-----

We don't think we're exaggerating when we say M.T.H. has the most useful train manufacturer's site on the Internet. Here's just a sample of the answers you can find online.

What's the latest info on ...?

Use Advanced Search to find the latest info on new products before they're delivered sound sets, cab numbers, feature and paint scheme updates, and other information that arrived after the catalog was published.

Did vou ever make?

Use Advanced Search to search through nearly all of the 10,000 items we've made in the past 26 years, for your favorite road name, engine, or type of rolling stock.

(2) Does any dealer still have ...?

Locate hard-to-find items with our Product Locator, which searches the inventories of M.T.H. dealers across the country.

(3) When is it coming?

Our online Shipping schedule is updated frequently to let you know what's coming soon to your hobby shop.

4 Are you going to make?

View the last several M.T.H. Catalogs online. Or click on Video to see M.T.H. products in action.

How can I fix...?

The Service area of our site allows you to email a question to our factory technicians or find which of our 150+ local service centers is closest to you.

What repair part do I need?

Use Advanced Search to find exploded diagrams and parts lists for M.T.H. locomotives and accessories, and then order the parts online or by phone.

6 What's new?

New arrivals and other news are posted frequently on our home page. To get the news as it happens, sign up for our free weekly electronic newsletter, with information on new M.T.H. products, industry news, and sneak peeks at upcoming specials!



(7) How can I learn more about DCS?

Follow the link to the protosound2.com Web site for DCS and Proto-Sound 2.0 information - and a list of Authorized DCS Demo Centers where you can try DCS hands-on.

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How can I update my DCS system or change a sound set?

Only M.T.H. allows you to update your control system or change an engine's sound set right over the Internet. Follow the link to the protosound2.com Web site for DCS and Proto-Sound 2.0 downloads.

