

COMPLETE
CATALOG
FOR
1948

AMERICAN FLYER



DEVELOPED
AT THE
GILBERT
HALL OF
SCIENCE

NEW

TALKING RAILROAD STATION

NEW

LOUDER, CLEARER "CHOO-CHOO"

NEW

BIGGER PUFFS OF REAL SMOKE

NEW

DIRECTRONIC PROPULSION Locomotives

*New York-Philadelphia-Chicago
-and all points West*

*Who-o-o...
Who-o-o*

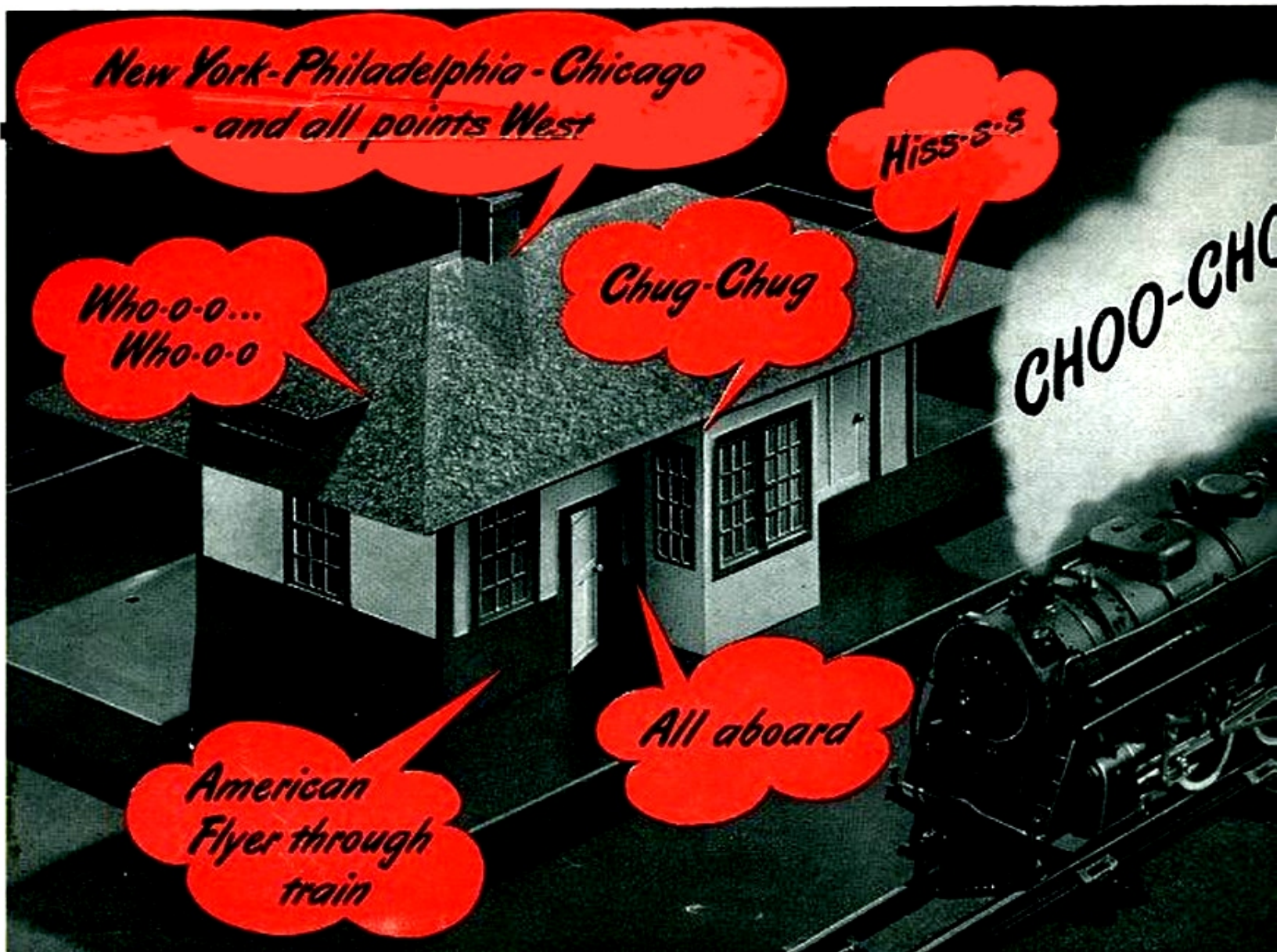
Chug-Chug

Hiss-S-S

CHOO-CHOO

All aboard

*American
Flyer through
train*



AMERICAN FLYER HAS THE BEST OF THE TWO MOST-WANTED FEATURES

Real Smoke and Realistic "Choo-Choos"

Both Positively Synchronized with Train Speed

Two years ago American Flyer created a sensation by announcing the first locomotives with real smoke and realistic "choo-choo" sounds synchronized with train speed.

Today smoke and "choo-choos" have become the two most-wanted features in scale model trains. No locomotive seems complete without them.

Now—American Flyer has further perfected these two thrilling features. The "choo-choos" are louder and clearer. They reproduce the choo choo sounds of a real locomotive with amazing fidelity.

Equally sensational are the improvements that have been made in the smoke. American Flyer locomotives now start to puff smoke within 3 seconds after they are started. The smoke comes out of the smoke stack in bigger puffs. It is clearly visible under all light conditions—even in the dark. And a locomotive will puff smoke for hours on only one smoke cartridge.

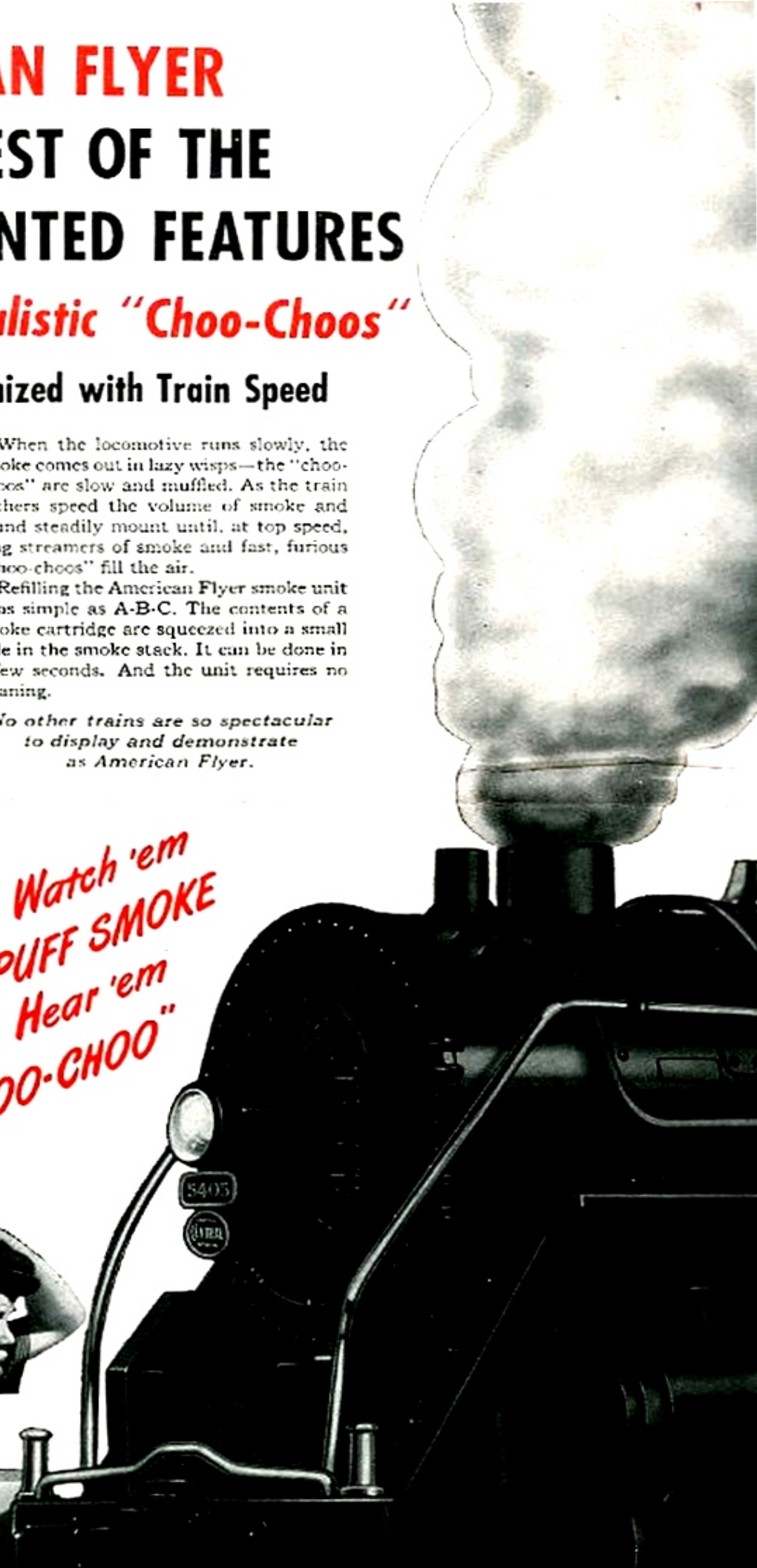
The mechanism of American Flyer's smoke and "choo-choo" generator is simple and dependable. It is located in the locomotive and operated by the same motor that drives the train. Thus, smoke and "choo-choos" are perfectly synchronized with train speed at all times.

When the locomotive runs slowly, the smoke comes out in lazy wisps—the "choo-choos" are slow and muffled. As the train gathers speed the volume of smoke and sound steadily mount until, at top speed, long streamers of smoke and fast, furious "choo-choos" fill the air.

Refilling the American Flyer smoke unit is as simple as A-B-C. The contents of a smoke cartridge are squeezed into a small hole in the smoke stack. It can be done in a few seconds. And the unit requires no cleaning.

*No other trains are so spectacular
to display and demonstrate
as American Flyer.*

*Watch 'em
PUFF SMOKE
Hear 'em
"CHOO-CHOO"*



NEW TALKING R. R. STATION

Produces true-to-life station sounds and stops train by remote control

Here's another exciting American Flyer "first." At the touch of a remote control button, the train stops in front of the station. Then—mingled with the sounds of hissing steam, the chug of pistons and the long wail of the whistle—you hear the voice of the station announcer call "American Flyer through train"—its destination—and "all aboard." As the noises die down, the train starts automatically.



3/16 INCH SCALE

Means more realism...more trackage in less space

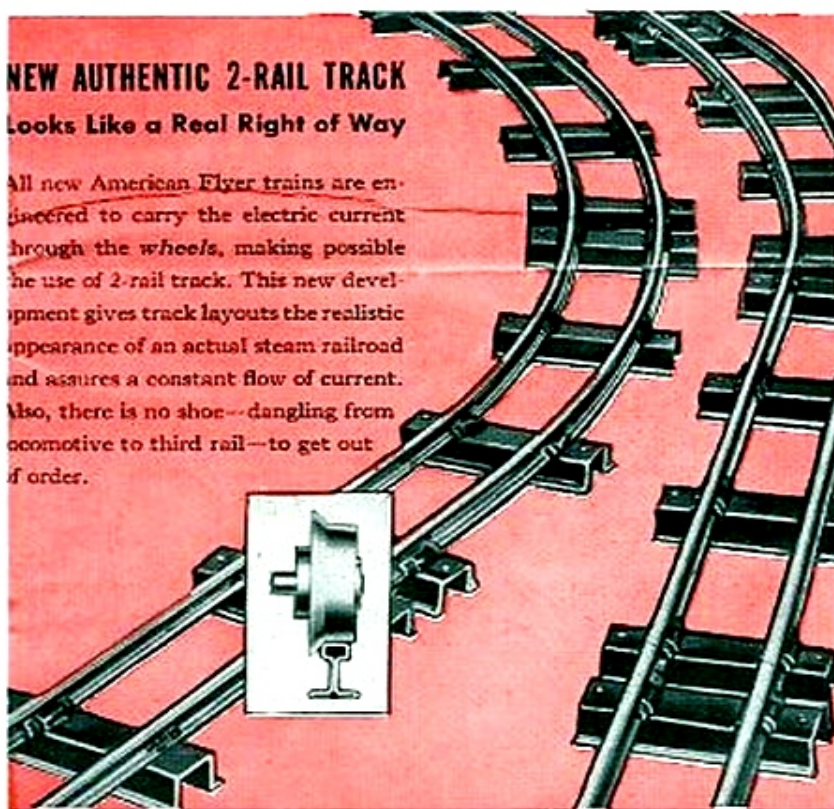
American Flyer 3/16" scale for both trains and track combines the advantages of being large enough to look impressive yet small enough to fit into reasonable floor space. The minimum track diameter required for American Flyer is only 40". A two loop American Flyer system can be laid out in floor space 6 feet square—whereas an "O" gauge scale model train and track needs almost as much space for a single loop.



NEW AUTHENTIC 2-RAIL TRACK

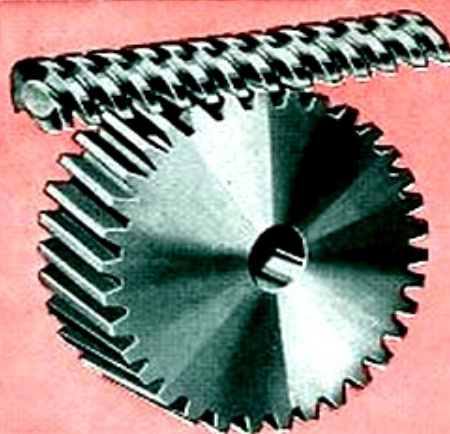
Looks Like a Real Right of Way

All new American Flyer trains are engineered to carry the electric current through the wheels, making possible the use of 2-rail track. This new development gives track layouts the realistic appearance of an actual steam railroad and assures a constant flow of current. Also, there is no shoe—dangling from locomotive to third rail—to get out of order.



SUPERPOWER WORM DRIVE

A SENSATIONAL AMERICAN FLYER DEVELOPMENT



American Flyer's precision-made worm drive banishes jerky "jack-rabbit" pull and provides smooth, quiet operation of the locomotive at all speeds. Slow speeds can be maintained without danger of stalling. Steady motive power is provided for realistic stopping and starting. And a speed up to 12 scale miles per hour is easily possible.

ASK THESE 10 QUESTIONS WHEN YOU CHOOSE A SCALE MODEL RAILROAD

QUESTION	AMERICAN FLYER ↓
1 Does locomotive puff real smoke and is smoke synchronized with train speed?	YES
2 Does locomotive reproduce "choo-choo" sound effects and are they synchronized with train speed?	YES
3 Does motor have superpower worm drive?	YES
4 Are all locomotives, cars and track built to uniform 3/16" scale?	YES
5 Is track realistic 2-rail "T" type?	YES

QUESTION	AMERICAN FLYER ↓
6 Can a two-loop track system be laid out in floor space only 6 feet square?	YES
7 Are cars of plastic with die-cast frames?	YES
8 Does system have Directronic Propulsion locomotive?	YES
9 Does its motor have Alnico permanent magnet?	YES
10 Can two locomotives be operated in same or opposite direction on same track?	YES

DIRECTRONIC PROPULSION LOCOMOTIVES

The simplest, most positive method ever devised for controlling stopping, starting and reversing of scale model trains

EXCLUSIVE WITH AMERICAN FLYER

What does Directronic Propulsion mean?

It means a quicker, easier way to control the direction of a locomotive. With Directronic Propulsion, the throttle of the transformer is used only to regulate the speed of the train. The *direction* of the train is controlled entirely by a separate switch on the Directronic Rectifier. After stops, the train always resumes running in the same direction in which it was previously traveling *unless* the direction is intentionally changed by throwing the direction-control switch.

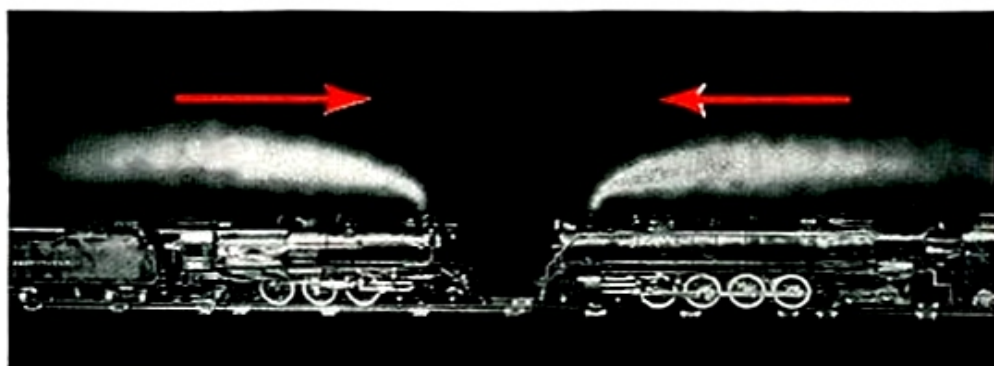
How are Directronic Propulsion locomotives different?

They are equipped with a Directronic Propulsion D.C. motor with Alnico magnet and their operation requires both a transformer and the new American Flyer Directronic Rectifier.

What are the advantages of Directronic Propulsion?

The greatest single advantage is that it banishes jockeying back and forth after stops. In order to stop any standard locomotive and make it resume running in the same direction, it is necessary to stop—reverse—stop—start . . . 4 operations. With Directronic Propulsion, it is only necessary to stop and start.

In addition, Directronic Propulsion eliminates locomotive stopping because of minor dead spots in the track—makes possible operating two trains in the same or in opposite directions on the same track—permits use of block signals and semaphores without interfering with direction of train—assures continuous propulsive power at high or low speeds.

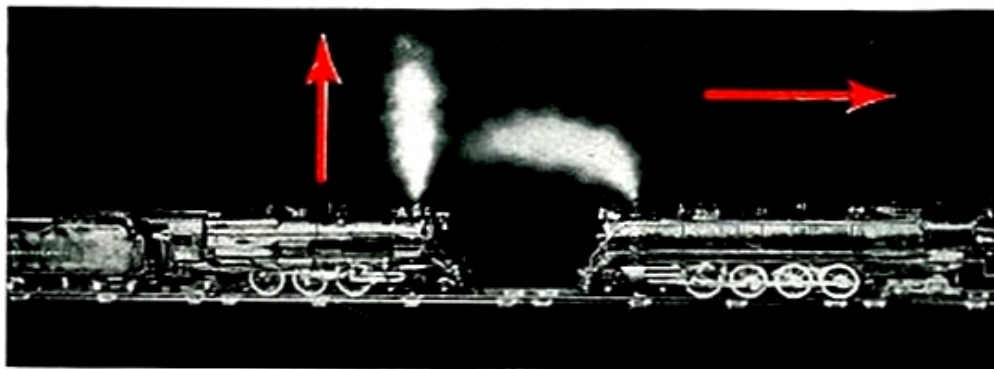


Spectacular Two Train Operation On Same Track

Directronic Propulsion makes possible thrilling new realism when two trains are operated on the same track. With one Directronic Propulsion locomotive and one standard locomotive, both can be made to run in either the same or opposite direction. Every scale model railroader will get thrills by the dozen from seeing two trains rushing towards each other—stopping them just before they collide—then backing them away from each other or making one

back away and the other follow.

There is a never-ending fascination to changing direction of trains this new, simplified way. The direction of the Directronic Propulsion locomotive is controlled by the built-in switch in the Directronic Rectifier. The direction of the standard locomotive is controlled as usual. Speed of both trains is controlled by the same throttle.



HOW TO HOOK-UP DIRECTRONIC LOCOMOTIVES

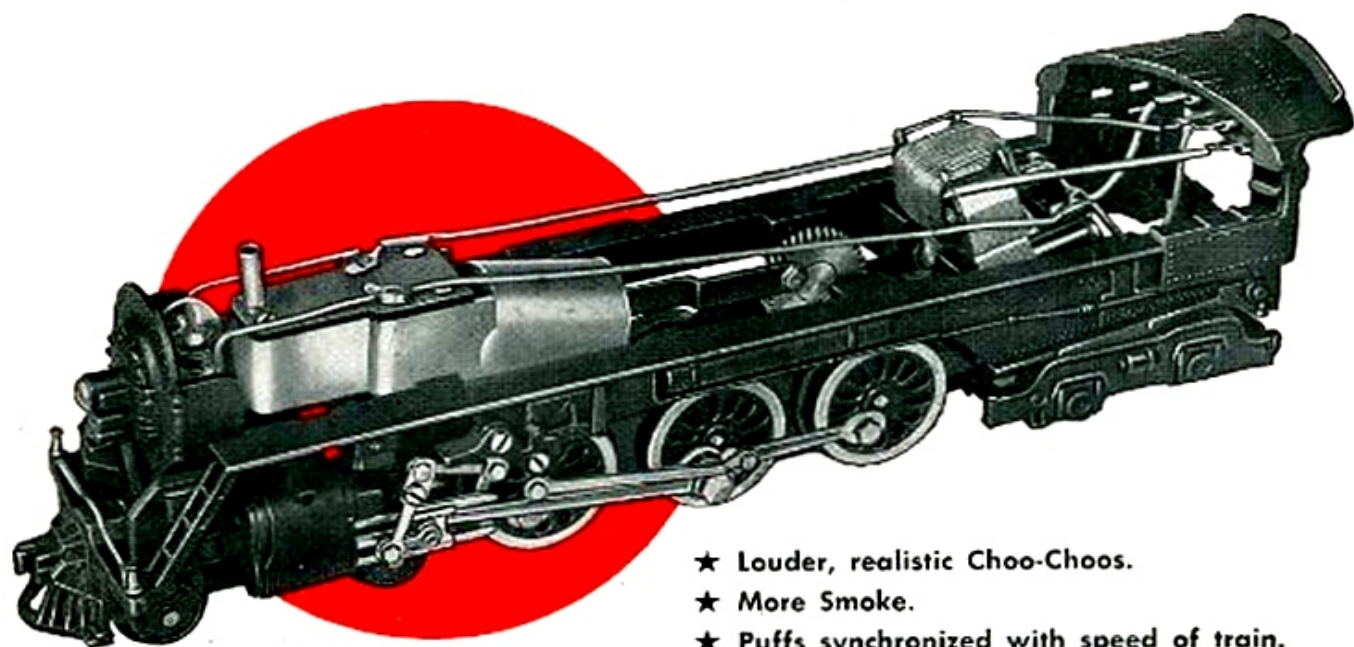
Directronic Locomotives call for only one additional unit of equipment—the Directronic Rectifier. In making the hook-up, a standard transformer is plugged into the house current—the Directronic Rectifier is connected to the transformer—and the track wires to the Directronic Rectifier.

The Directronic Rectifier converts A.C. to D.C., so that power is supplied to the locomotive in a continuous stream—instead of intermittently as with A.C. Reversing the locomotive is effected by changing the polarity of current on the track. The Directronic Rectifier *must* be used for Directronic Propulsion locomotives. It also operates standard locomotives. All other equipment is connected with the transformer, as usual.

**Gilbert Hall of Science
Building**
Fifth Avenue at 25th Street
New York City

IMPROVED SMOKE and "CHOO-CHOO"

— the result of the New American Flyer PISTON-TYPE Unit



**AMERICAN FLYER for
100% REALISM IN RAILROADING.**

- ★ Louder, realistic Choo-Choos.
- ★ More Smoke.
- ★ Puffs synchronized with speed of train.
- ★ Smoke Unit easily filled through stack.
- ★ Simplified mechanism gives longer life.

B. & O. 4 - 6 - 2

(Without Smoke and "Choo-Choo")

- ★ 3/16" Scale Model
- ★ Superpower Worm Drive
- ★ Remote Control
- ★ Automatic Coupling
- ★ Electric Uncoupling
- ★ Two-Rail Track
- ★ Lightweight Plastic Cars



No. 48T Royal Blue Freight Train—23 Pieces—41" long.

LOCOMOTIVE and TENDER No. 330. Combined length—17 1/2".

LOCOMOTIVE—Die cast. Twelve wheels, B. & O. 4-6-2 type. Six drive wheels with eccentric double action piston rods. Four wheel pony—two wheel booster trucks. Lucite electric headlight.

TENDER—Pressed steel, bunker type, with imitation coal and ladder. Double trucks, nickel journal boxes, 8 wheels.

COUPLING—Automatic on every car and rear of tender. Couples anywhere. Cars close together. **ELECTRIC UNCOUPLING**—Push button control.

CARS—Double truck, nickel journal boxes, 8 wheels.
1—633R Box—7 13/16" long with sliding doors, ladders and brake wheel.
1—631 Gondola—8" long, nickel journal boxes.
1—630 Caboose—6" long with light, cupola, end rails and ladders.

FINISH—Locomotive and tender, Royal Blue enamel. Cars, plastic in brilliant never-fade colors.

TRACK—12 sections No. 702 10' curved, 2 sections No. 700 straight, 1 No. 706 uncoupling device with control box.

RUNNING TRACK—140" oval. Diameter—40".

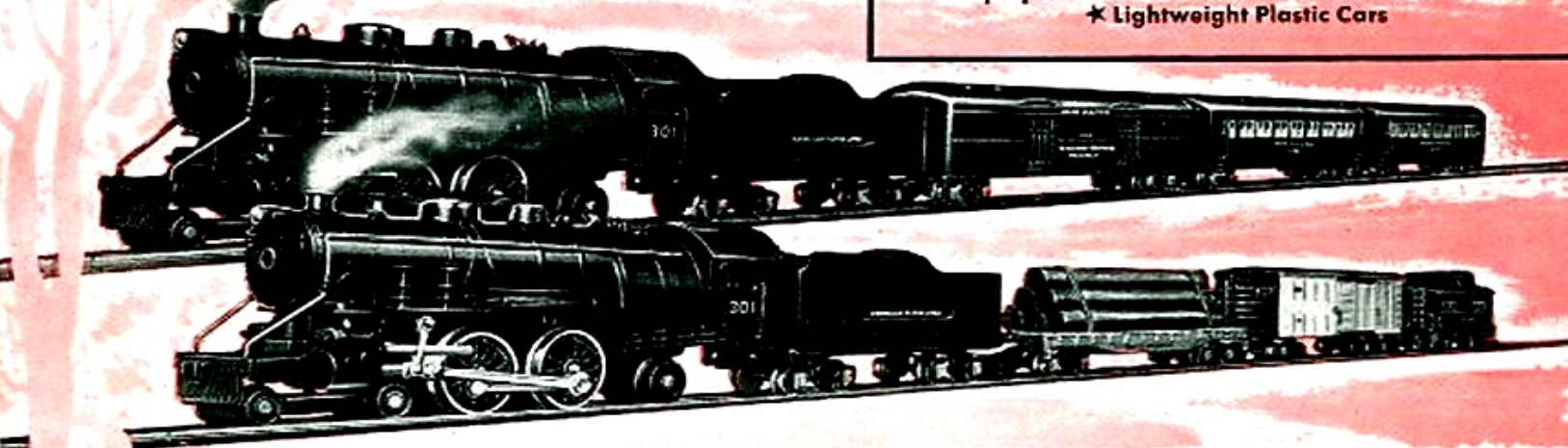
TRACK TERMINAL—1 No. 690.

TRANSFORMER—1 No. 2, 75 watt, 60 cycle Transformer included.

Developed at the Gilbert Hall of Science

ATLANTIC 4 - 4 - 2

- * Real Smoke
- * "Choo-Choo"
- * 3/16" Scale Model
- * Superpower Worm Drive
- * Remote Control
- * Automatic Coupling
- * Electric Uncoupling
- * Two-Rail Track
- * Lightweight Plastic Cars



No. 4801A Atlantic Freight Train—22 Pieces—40 $\frac{3}{8}$ " long.

LOCOMOTIVE and TENDER No. 302AC with "CHOO-CHOO" and SMOKE. Combined length—16"

LOCOMOTIVE—Die cast with removable boiler front for changing headlight. Ten wheels. Atlantic 4-4-2 type. Four drive wheels with eccentric double action piston rods. Four wheel pony—2 wheel booster trucks. Lunte electric headlight. **TENDER**—Pressed steel. Bunker type with imitation coal and ladder. Double trucks, nickel journal boxes, 8 wheels.

COUPLING—Automatic on every car and rear of tender. Couples anywhere. Cars close together. **ELECTRIC UNCOUPLING**—Push button control.

CARS—Double truck, nickel journal boxes, 8 wheels.
1—628 Log—8 $\frac{3}{4}$ " long. Six realistic logs and brake wheel.
1—633 Box 7 13'19" long with sliding doors, ladders and brake wheel.
1—630 Caboose—6' long with light, cupola, end rails and ladders.

FINISH—Locomotive and tender, locomotive black, Cars, plastic in brilliant, never-fade colors.

TRACK—12 sections No. 702 10" curved, 2 No. 700 10" straight and 1 No. 706 uncoupling device and control box.

RUNNING TRACK 140" oval. Diameter—40".

TRACK TERMINAL 1 No. 690.

TRANSFORMER 75 Watt recommended.

No. 4803A—Atlantic Passenger Train—22 Pieces—50 $\frac{1}{2}$ " long. Some specifications as No. 4801A except

CARS—10 $\frac{3}{4}$ " long. Double truck, nickel journal boxes, 8 wheels.
1—651-G Baggage. Double truck, nickel journal boxes, 8 wheels.
2—650-G Coaches. Illuminated.

No. 4607A—Pennsylvania Freight Train—21 Pieces—40 $\frac{1}{2}$ " long.

LOCOMOTIVE and TENDER No. 312AC with "CHOO-CHOO" and SMOKE. Combined length—17 $\frac{3}{4}$ ".

LOCOMOTIVE—Die cast with removable boiler front for changing headlight. Twelve wheels. Pennsylvania 4-6-2 type. Six drive wheels, eccentric arm triple action piston rods, side rods and connecting rods. Four wheel pony—2 wheel booster trucks. Lunte electric headlight. Regulation appointments. Jeweled markers. **TENDER**—Die cast, bunker type with imitation coal, hand rails and jeweled markers. Double truck, nickel journal boxes, 8 wheels.

COUPLING—Automatic on every car and rear of tender. Couples anywhere. Cars close together. **ELECTRIC UNCOUPLING**—Push button control.

CARS—Double truck, nickel journal boxes, 8 wheels.
1—632 Hopper Car, 6 $\frac{3}{4}$ " long. Has ladders.
1—625 Tank—7 $\frac{1}{2}$ " long with ladders, hand rails and brake wheel.
1—630 Caboose—6' long with cupola, end rails and ladders. Illuminated.
FINISH—Locomotive and tender, locomotive black and nickel trim. Cars, plastic in brilliant, never-fade colors.

TRACK—12 sections No. 702 10" curved, 2 No. 700 10" straight and 1 No. 706 uncoupling device and control box.

RUNNING TRACK—140" oval. Diameter—40".

TRACK TERMINAL—1 No. 690.

TRANSFORMER—100 or 150 Watt recommended.

No. 4609A—Pennsylvania Passenger Train—21 Pieces—50 $\frac{1}{2}$ " long.

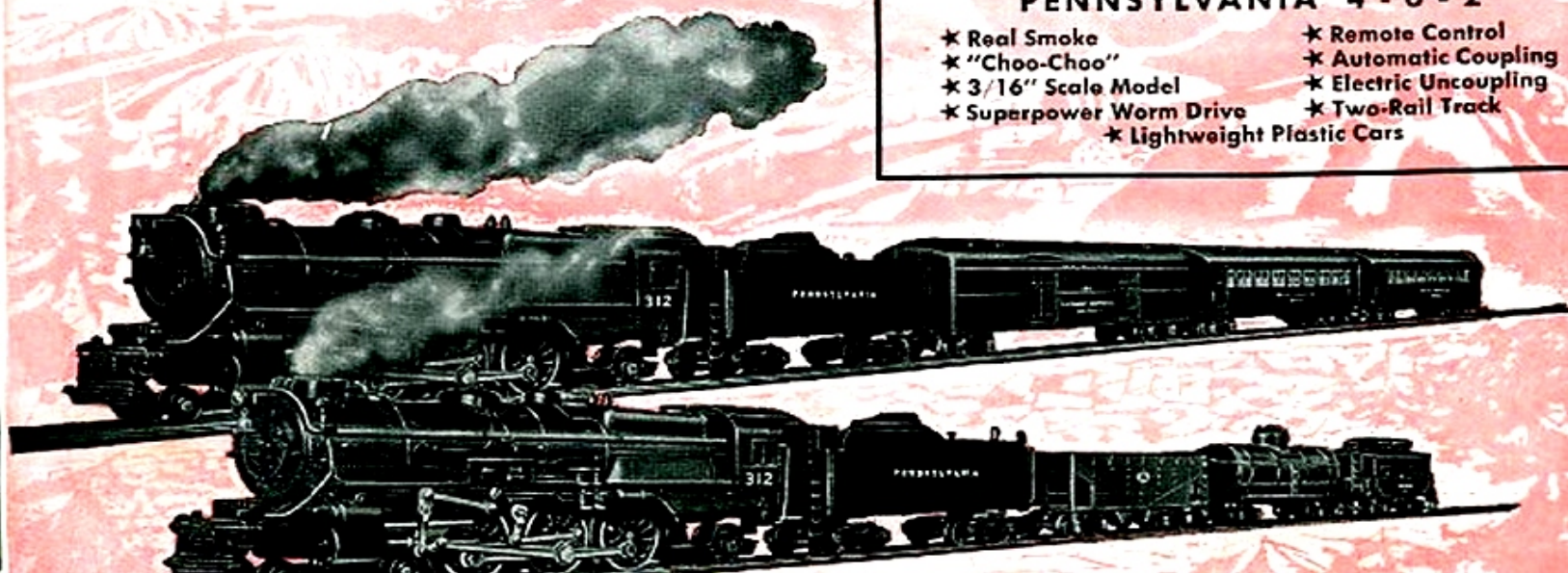
Some specifications as No. 4607A except

CARS—10 $\frac{3}{4}$ " long. Double truck, nickel journal boxes, 8 wheels.
1—651-R Baggage. Double truck, nickel journal boxes, 8 wheels.
2—650-R Coaches. Illuminated.

Developed at the Gilbert Hall of Science

PENNSYLVANIA 4 - 6 - 2

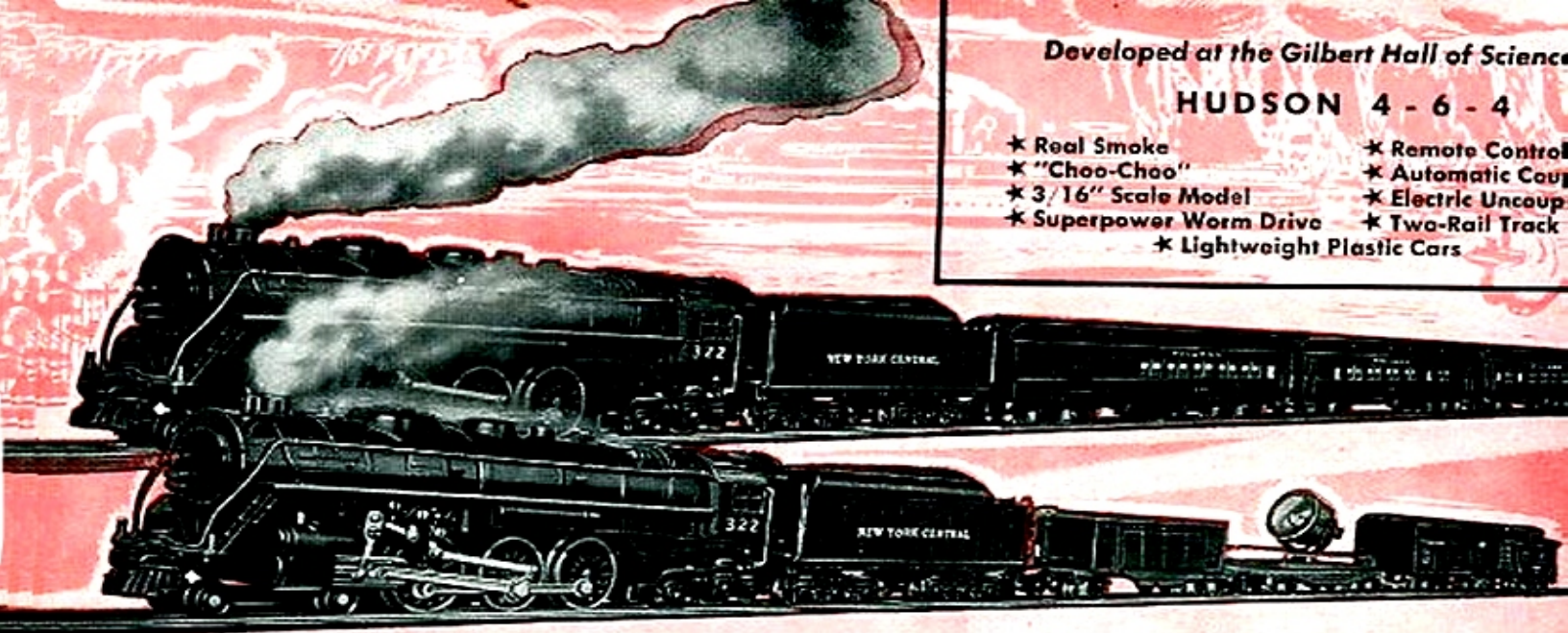
- * Real Smoke
- * "Choo-Choo"
- * 3/16" Scale Model
- * Superpower Worm Drive
- * Remote Control
- * Automatic Coupling
- * Electric Uncoupling
- * Two-Rail Track
- * Lightweight Plastic Cars



Developed at the Gilbert Hall of Science

HUDSON 4 - 6 - 4

- ★ Real Smoke
- ★ "Choo-Choo"
- ★ 3/16" Scale Model
- ★ Superpower Worm Drive
- ★ Remote Control
- ★ Automatic Coupling
- ★ Electric Uncoupling
- ★ Two-Rail Track
- ★ Lightweight Plastic Cars



No. 4611A—New York Central Freight Train— 26 Pieces—52 1/2" long.

LOCOMOTIVE and TENDER No. 322AC with "CHOO-CHOO" and SMOKE. Combined length—19".

LOCOMOTIVE—Die cast, with removable boiler front for changing headlight. Fourteen wheels, 4-6-4 type. Six drive wheels with eccentric arm triple action piston rods, side rods and connecting rods. Four wheel pony—four wheel booster trucks. Lamps electric, headlight, Regulation appointments. **TENDER**—Die cast, Bunker type with imitation coal, hand rails and ladder. Double die cast trucks, 12 wheels.

COUPLING—Automatic on every car and rear of tender. Couples anywhere. Cars close together. **ELECTRIC UNCOUPLING**—Push button control.

CARS—Double truck, nickel journal boxes, 8 wheels.

1-716 Automatic Coal Dump Car with Control Box—7 1/2" long. Just press a button and side of car opens and dumps coal into bin.

1-654 Army Searchlight Car—8 1/2" long. Light turns on swivel base. Tilts to any angle.

1-629 Cattle Car—7 13/16" long with brake wheel, ladder, sliding doors.

1-630 Caboose—6" long with cupola, end rails and ladders. Illuminated.

FINISH—Locomotive and tender, locomotive black. Coal car, pressed steel, enamel finish. Other cars, plastic in brilliant, never-fade colors.

TRACK—12 sections No. 702 10" curved, 4 No. 700 10" straight with 1 No. 706 uncoupling device and control box and 1 No. 712 automatic track section.

RUNNING TRACK—160" oval. Diameter—40".

TRACK TERMINAL—1 No. 690.

TRANSFORMER—100 or 150 Watt recommended.

No. 4613A—New York Central Passenger Train—25 Pieces—69 3/4" long. Same specifications as No. 4611 except

CARS—Double trucks, nickel journal boxes.

1-653-R Baggage and Club Car—12" long with sliding and hinged doors. Illuminated. Has 6 wheel trucks.

2-652-M Pullmans—12" long with imitation shades in windows, hinged doors. Illuminated. Has 6 wheel trucks.

1-654-R Observation Car—11 15/16" long, with imitation shades in windows. Illuminated. Has 6 wheel trucks.

RUNNING TRACK—160 oval. Diameter—40".

No. 4615—Union Pacific Freight Train—26 Pieces—63" long.

LOCOMOTIVE and TENDER No. 222 D.C. with "CHOO-CHOO" and SMOKE. Combined length—21 1/2".

LOCOMOTIVE—Die cast, with removable boiler front for changing headlight. Sixteen wheels, Union Pacific 4-8-4 type. Eight drive wheels, realistic eccentric triple action piston rods, side rods and connecting rods. Four wheel pony four wheel booster trucks. Regulation appointments. Jeweled markers. Lamps electric, headlight. **TENDER**—Die cast, oil type with double die cast trucks, 12 wheels. Has hand rails and ladders.

COUPLING—Automatic on every car and rear of tender. Couples anywhere. Cars close together. **ELECTRIC UNCOUPLING**—Push button control.

CARS—Double truck, nickel journal boxes, 8 wheels.

1-625 Log—8 1/2" long. Six realistic logs and brake wheel.

1-633 Box 7 13/16" long with sliding doors, ladders and brake wheel.

1-635 Wrecker—8 1/2" long. Cab and boom turns on swivel base. Boom extends and lowers.

1-632 Hopper—6 1/2" long. Has ladders.

1-650 Caboose—6" long with cupola, end rails and ladders. Illuminated.

FINISH—Locomotive and tender, locomotive black. Cars, plastic in brilliant, never-fade colors.

TRACK—12 sections No. 702 10" curved, 4 sections No. 700 10" straight with 1 No. 706 uncoupling device and control box.

RUNNING TRACK—160" oval. Diameter—40".

TRACK TERMINAL—1 No. 690.

TRANSFORMER—No. 15 Directronic Rectifier and Transformer must be used.

No. 4617—Union Pacific Passenger Train—25 Pieces—72 1/4" long. Same specifications as No. 4615 except

CARS—Double trucks, nickel journal boxes.

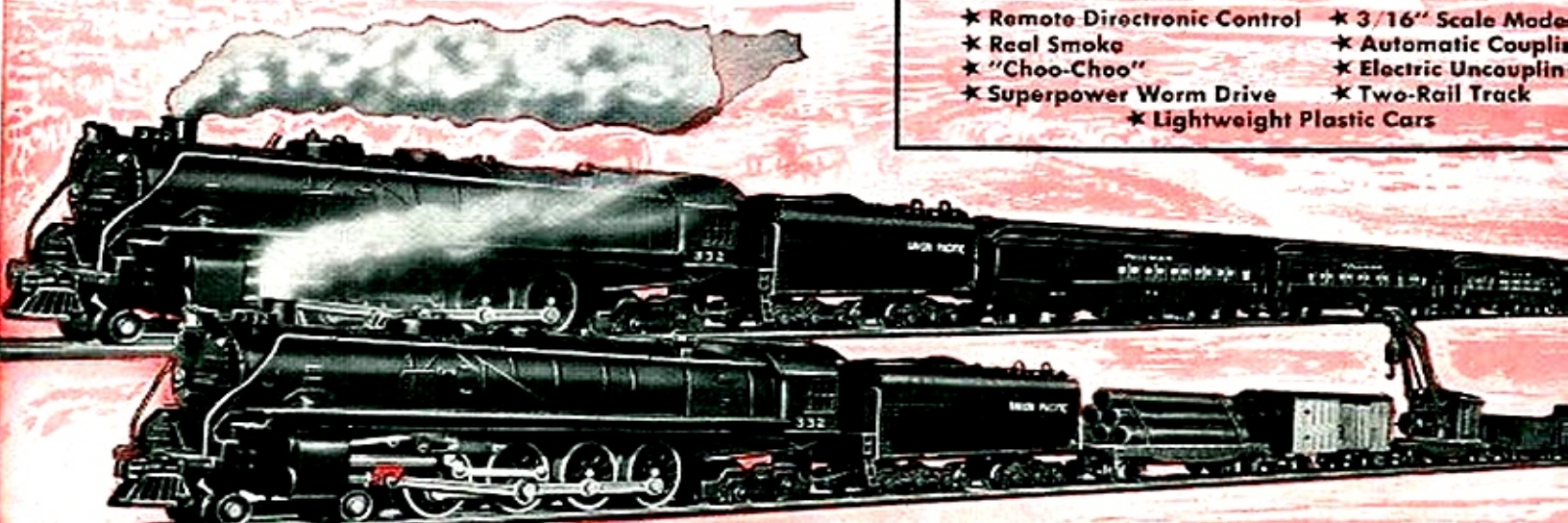
1-653-G—Baggage and Club Car—12" long with sliding and hinged doors. Illuminated. Has 6 wheel trucks.

2-652-G—Pullmans—12" long, with imitation shades in windows. Illuminated. Has 6 wheel trucks.

1-654-G—Observation—11 15/16" long with imitation shades in windows. Illuminated. Has 6 wheel trucks.

TRANSFORMER—No. 15 Directronic Rectifier and Transformer must be used.

New Directronic Propulsion Locomotive



Developed at the Gilbert Hall of Science

UNION PACIFIC 4 - 8 - 4

- ★ Remote Directronic Control
- ★ Real Smoke
- ★ "Choo-Choo"
- ★ Superpower Worm Drive
- ★ 3/16" Scale Model
- ★ Automatic Coupling
- ★ Electric Uncoupling
- ★ Two-Rail Track
- ★ Lightweight Plastic Cars

Developed at the Gilbert Hall of Science

NICKEL PLATE 0 - 8 - 0

- ★ Remote Directronic Control
- ★ Real Smoke
- ★ "Choo-Choo"
- ★ Superpower Worm Drive
- ★ 3 1/16" Scale Model
- ★ Automatic Coupling
- ★ Electric Uncoupling
- ★ Two-Rail Track
- ★ Lightweight Plastic Cars



New Directronic Propulsion Locomotive

No. 4618 Nickel Plate Switcher—26 Pieces—48 1/2" long.

LOCOMOTIVE and **TENDER** No. 312 D.C. with "CHOO-CHOO" and **SMOKE** FEATURE. Combined length—143 1/4".

LOCOMOTIVE—Die cast with removable boiler front for changing headlight. Eight wheels, 0-8-0 type. Right drive wheels with eccentric arm triple action piston rods, side rods and connecting rods. Regulation appointments. Large electric headlight. **TENDER**—Die cast, Dunker type with imitation coal and imitation rear light and hand rails. Double trucks, nickel journal boxes, 8 wheels.

COUPLING—Automatic on every car and rear of tender. Coupling rod on front of locomotive. Couples anywhere. Cars close together. **ELECTRIC UNCOUPLING**—Push button control.

CARS—Double truck, nickel journal boxes, 8 wheels.

1-715 Automatic Army Unloading Car with **Armored Car and Control Box**—7 1/4" long. Just press a button and platform on car extends, tilts and shoots unloading truck down incline.

1-634 Army Searchlight Car—8 1/4" long. Light turns on swivel base. Tilts to any angle.

1-631 Gondola—8" long.

1-630 Caboose—6" long with cupola, end rails and ladders. Illuminated.

FINISH—Locomotive and tender, locomotive black, Army unloading car, pressed steel, enamel finish. Other cars, plastic in brilliant, never-fade colors.

TRACK—12 sections No. 702 10" curved, 4 No. 700 10" straight with 1 No. 706 built-in uncoupling device and control box, 1 No. 712 automatic track section.

RUNNING TRACK—140" oval. Diameter 40".

TRACK TERMINAL—1 No. 690.

TRANSFORMER—No. 15 Directronic Rectifier and Transformer must be used.

No. 4730A Nickel Plate Switcher—26 Pieces—48 1/2" long.

Same specifications as No. 4618 except

It is not directronically propelled. Has Universal Motion; runs on either A.C. or D.C. No. 15 Rectifier not required. No. 8H, 100 Watt Transformer recommended.

No. 4619A Pennsylvania Freight Train—27 Pieces—49 1/2" long.

LOCOMOTIVE and **TENDER** No. 312AC with "CHOO-CHOO" and **SMOKE**.

LOCOMOTIVE—Die cast with removable boiler front for changing headlight. Twelve wheels, Pennsylvania 4-6-2 type. Six drive wheels with eccentric arm triple action piston rods, side rods and connecting rods. Four wheel pony—two wheel booster trucks. Regulation appointments with Lucite electric headlight and jeweled markers. **TENDER**—Die cast, Dunker type with imitation coal and imitation rear light and hand rails. Double trucks, nickel journal boxes, 8 wheels.

COUPLING—Automatic on every car and rear of tender. Couples anywhere. Cars close together. **ELECTRIC UNCOUPLING**—Push button control.

CARS—Double truck with nickel journal boxes, 8 wheels.

1-717 Automatic Log Car with **Control Box**—7 11/16" long. Holds 3 realistic logs which are dumped to the ground by remote control.

1-627 Girder Car—8 1/4" long, loaded with a realistic bridge girder. Has brake wheel.

1-632 Hopper—6 1/2" long. Has ladders and brake wheel.

1-630 Caboose—6" long with cupola, end rails and ladders. Illuminated.

1-751 Log Loader with **Control Box**—8 3/4" wide x 11 1/2" long x 11" high. Elevator lifts log to overhead conveyor which carries it underneath roof to end of arms and drops log into car below.

FINISH—Locomotive and tender, locomotive black. Log car, pressed steel, enamel finish. Other cars, plastic in brilliant, never-fade colors.

TRACK—12 sections No. 702 10" curved, 4 No. 700 10" straight, 1 No. 706 uncoupling device and control box, 1 No. 712 automatic track section.

RUNNING TRACK—160" oval. Diameter 40".

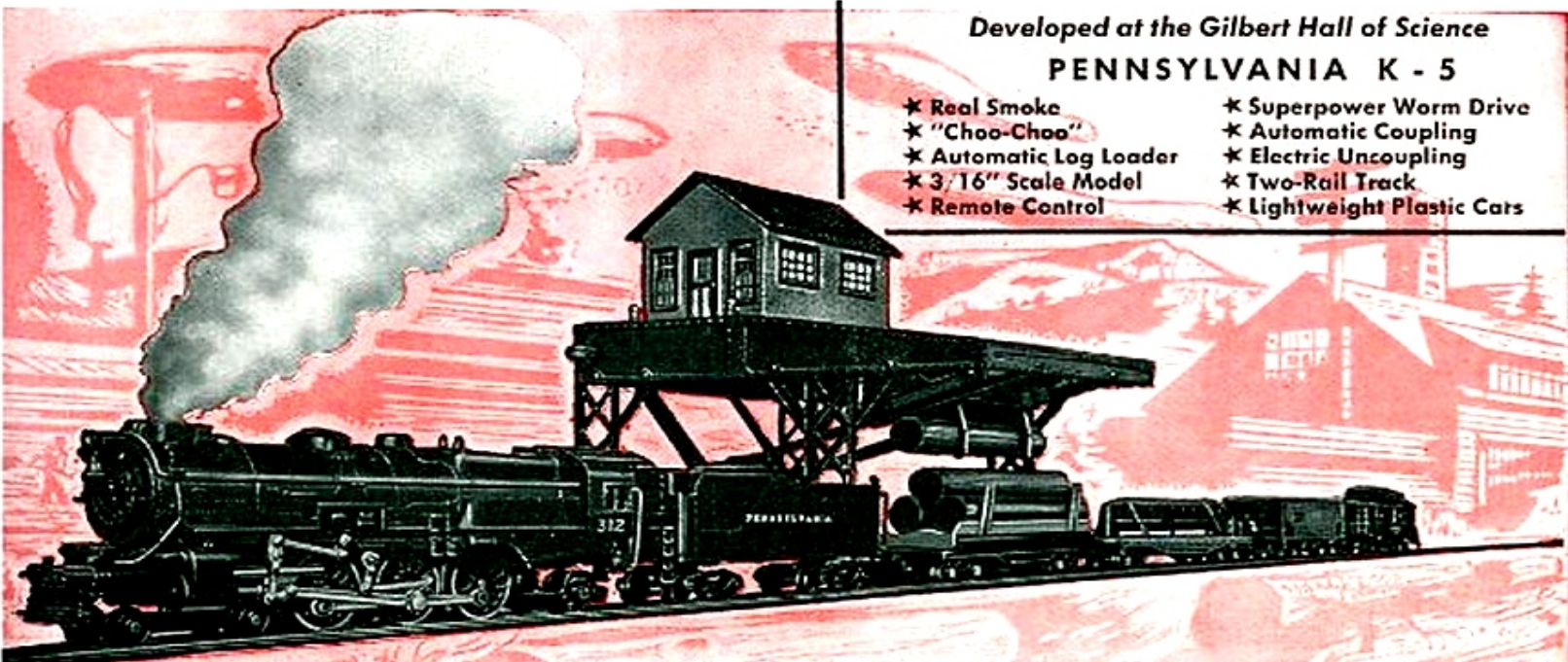
TRACK TERMINAL—1 No. 690.

TRANSFORMER—100 or 150 Watt recommended.

Developed at the Gilbert Hall of Science

PENNSYLVANIA K - 5

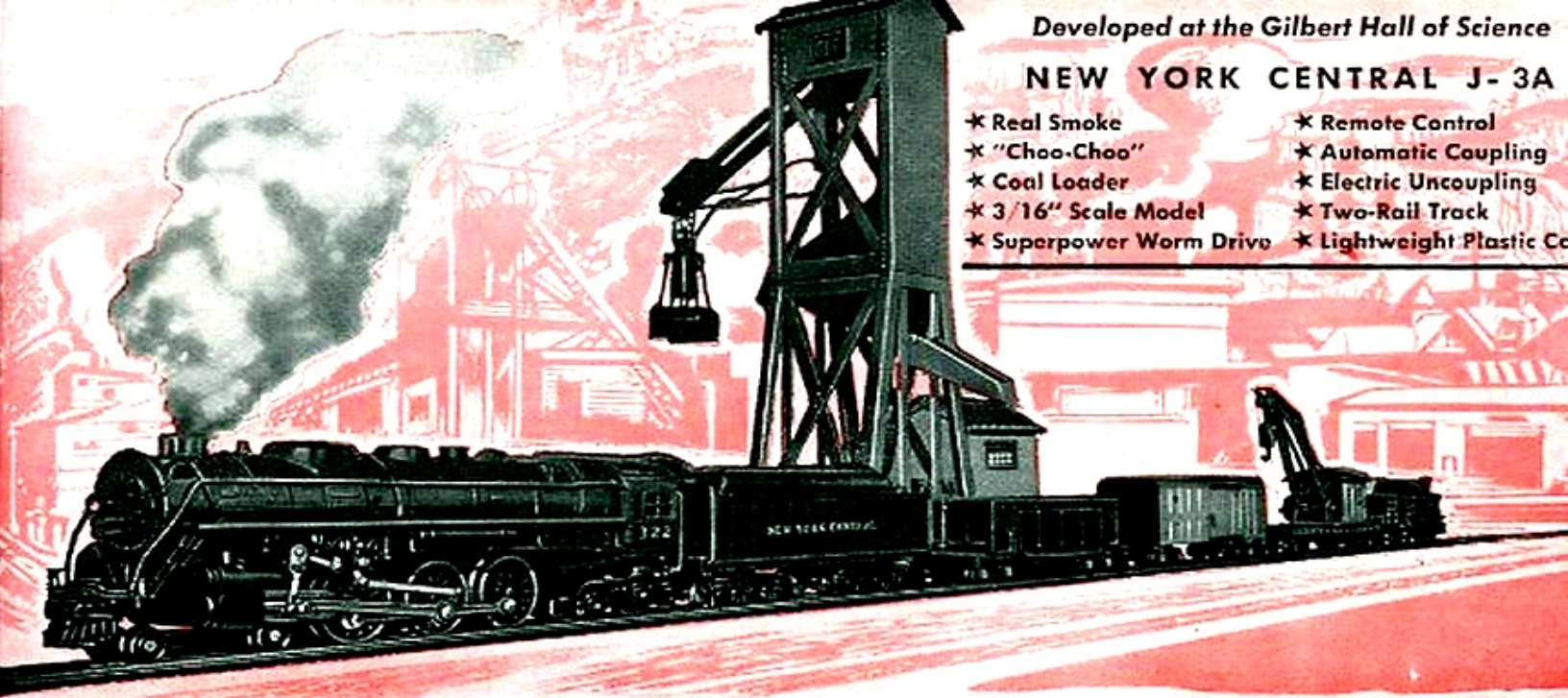
- ★ Real Smoke
- ★ "Choo-Choo"
- ★ Automatic Log Loader
- ★ Remote Control
- ★ Superpower Worm Drive
- ★ Automatic Coupling
- ★ Electric Uncoupling
- ★ Two-Rail Track
- ★ Lightweight Plastic Cars



Developed at the Gilbert Hall of Science

NEW YORK CENTRAL J-3A

- ★ Real Smoke
- ★ "Choo-Choo"
- ★ Coal Loader
- ★ 3/16" Scale Model
- ★ Superpower Worm Drive
- ★ Remote Control
- ★ Automatic Coupling
- ★ Electric Uncoupling
- ★ Two-Rail Track
- ★ Lightweight Plastic Cars



No. 4620A—New York Central Freight Train—27 Pieces—52 1/2" long.

LOCOMOTIVE and TENDER No. 322AC with "CHOO-CHOO" and SMOKE FEATURE. Combined length—19".

LOCOMOTIVE—Die cast with removable boiler front for changing headlight. Fourteen wheels, 4-8-4 type. Six drive wheels, eccentric arm triple action piston rods, side rods and connecting rods. Four wheel pony-4 wheel booster trucks. Regulation appointments. Lucite electric headlight. **TENDER**—Die cast. Hunker type with imitation coal, hand rails and ladder. Double die cast trucks, 12 wheels.

COUPLING—Automatic on every car and rear of tender. Couples anywhere. Cars close together. **ELECTRIC UNCOUPLING**—Push button control.

CARS—Double truck, nickel journal boxes, 8 wheels.

- 1-716 Automatic Coal Dump Car with Control Box—7 1/2" long. Just press a button and side of car opens and dumps coal into bin.
- 1-833 Box—7 1/2" long with sliding doors, ladders and brake wheel.
- 1-615 Wrecker—8 1/2" long. Cab and boom turns on swivel base. Boom raises and lowers.
- 1-630 Caboose—6" long with cupola, end rails and ladders. Illuminated.
- 1-752 Seaboard Coaler with Control Box—8 1/2" wide x 10 1/2" long x 16 1/2" high. Bucket drops to coal pile, picks up coal, is then hoisted to top of tower, dumping coal into chute leading to car below.

FINISH—Locomotive and tender, locomotive black. Coal car, pressed steel, enamel finish. Other cars, plastic in brilliant, never-fade colors.

TRACK—12 sections No. 702 10" curved, 4 No. 700 10" straight, 1 No. 706 uncoupling device and control box, 1 No. 712 automatic truck section.

RUNNING TRACK—160" oval. Diameter—40".

TRACK TERMINAL—1 No. 690.

TRANSFORMER—100 or 150 Watt recommended.

No. 4621 Union Pacific Passenger Train—29 Pieces—81 1/4" long.

LOCOMOTIVE and TENDER No. 332 D.C. with "CHOO-CHOO" and SMOKE. Combined length—21 1/2".

LOCOMOTIVE—Die cast with removable boiler front for changing headlight. Sixteen wheels, 4-8-4 type. Eight drive wheels, eccentric arm triple action piston rods, side rods and connecting rods. Four wheel pony-4 wheel booster trucks. Regulation appointments. Lucite electric headlights and jeweled markers. **TENDER**—Die cast, oil type. Has hand rails and ladders. Double die cast trucks, 12 wheels.

COUPLING—Automatic on every car and rear of tender. Couples anywhere. Cars close together. **ELECTRIC UNCOUPLING**—Push button control.

CARS—Die cast, double truck, nickel journal boxes, 8 wheels.

- 1-718-R Automatic Mail Pick-Up Car with Control Box—10 1/2" long. Metal pick-up arm extends, picks up one mailing as another is ejected.
- 2-650-R Coaches—10 1/2" long. Illuminated.
- 1-652-R Pullman—12" long, with imitation shades in windows, hinged doors. Illuminated. Has six wheel trucks.
- 1-654-R Observation—11 1/2" long with imitation shades in windows. Illuminated. Has six wheel trucks.

FINISH—Locomotive and tender, locomotive black. Cars, plastic in brilliant, never-fade colors.

TRACK—12 sections No. 702 10" curved, 6 No. 700 10" straight and 1 No. 706 uncoupling device and control box, 1 No. 713 mail pick up track section.

RUNNING TRACK—180" oval. Diameter—40".

TRACK TERMINAL—1 No. 690.

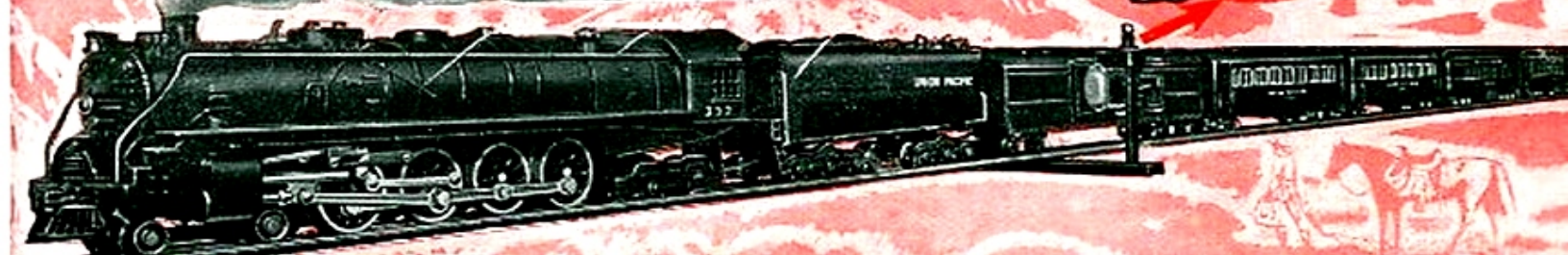
TRANSFORMER—No. 15 Directronic Rectifier and Transformer must be used.

Developed at the Gilbert Hall of Science

UNION PACIFIC—8 DRIVE WHEEL

- ★ Remote Directronic Control
- ★ Real Smoke
- ★ "Choo-Choo"
- ★ Automatic Mail Car
- ★ Superpower Worm Drive
- ★ 3/16" Scale Model
- ★ Automatic Coupling
- ★ Electric Uncoupling
- ★ Two-Rail Track
- ★ Lightweight Plastic Cars

New Directronic Propulsion Locomotive



NEW SUPERPOWER "Safety First" TRANSFORMERS

"Safety First" is the motto of the railroads, and the motto of American Flyer's engineers in perfecting these superpower "Safety First" transformers.

Output is limited to 15 volts, materially reducing danger of burning out lights, motors, etc. Simplified three terminal post arrangement eliminates complicated equipment circuits. Engineer's Throttle control, standard on all models, shows "miles per hour" train is set for. While made especially for American Flyer trains, these transformers are equally useful with other electrical toys. They operate only on alternating current.

TRANSFORMER

Nos. 2, 2B, 8B
Nos. 2B, 8B
Nos. 8B, 12B
No. 15 Directronic
Rectifier

RECOMMENDED FOR TRAIN SET

Nos. 4801A, 4803A
Nos. 4607A, 4609A, 4611A, 4613A
Nos. 4619A, 4620A
No. 15 Directronic Rectifier plus 2B, 8B or 12B Transformer must be used for the following trains: Nos. 4615, 4617, 4618, 4621, HO-140, HO-141



No. 2B TRANSFORMER
75 Watts, 60 Cycles
Has built-in circuit breaker.

No. 2 TRANSFORMER
same as above, but without
circuit breaker.



No. 8B "SAFETY FIRST" TRANSFORMER —
100 Watts, 60 Cycles . . .
Green pilot light shines when current is passing through; red light when there's trouble.



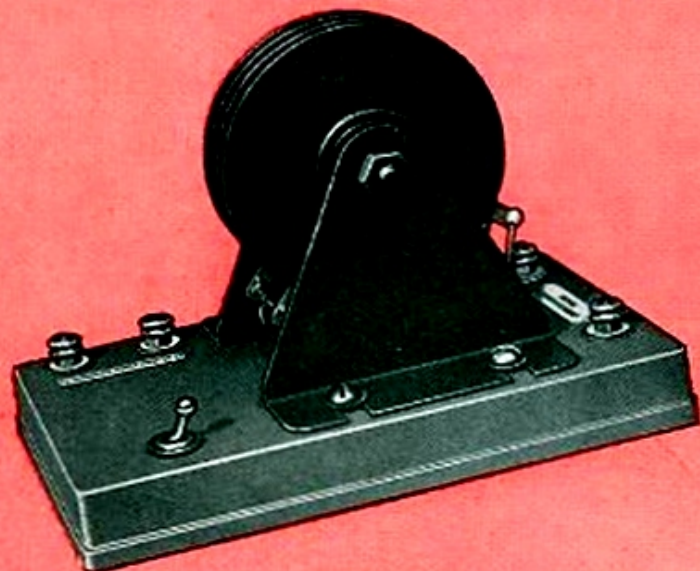
**No. 12B "SAFETY FIRST" NEW TWIN
CONTROL TRANSFORMER**—250 Watts,
60 Cycles . . .

For heavy duty on large track layouts with numerous accessories. Dual speed control throttles. Operates from 2 to 4 trains on the same or 2 separate layouts and at different rates of speed. Built-in circuit breaker protects load as well as variable voltage. Red and green pilot lights, handy off-and-on switch.

It is advisable to sell the higher wattage transformer to provide for future train set additions.

All American Flyer "Safety First" Transformers are approved by the Underwriters' Laboratories.

NEW! NO. 15 DIRECTRONIC RECTIFIER



Must be used for

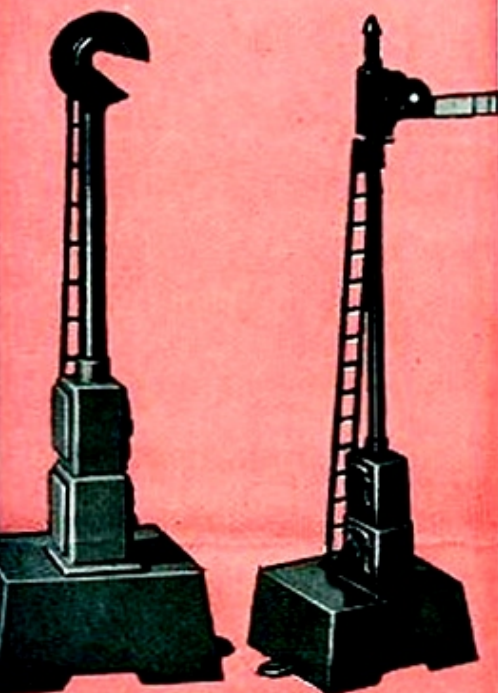
Directronic Propulsion Locomotives

Capacity — 4 Amperes

Converts A.C. to D.C. so that power is supplied to the locomotive in a continuous stream instead of intermittently as with A.C. Equipped with a toggle switch and two sets of terminals for transformer and track connections, the Directronic Rectifier must always be used with a transformer.

TRACKS—SWITCHES—TRACK CONTROLS

for exciting realistic action



LEFT, No. 587 BLOCK SIGNAL.

NOT AVAILABLE

RIGHT, No. 588 SEMAPHORE BLOCK SIGNAL. Realistic operation. Semaphore arm goes horizontal, light to red to stop train—raises to vertical, light to green to proceed. Electrically operated by remote control for one train. Two train no-collision operation works automatically from track trips. Enamel finish. Size 7½" high, base 1¾" x 1¾".

Both equipped with two automatic track trips and remote control box.



No. 720 PAIR SWITCHES (remote control) . . . Quick action electric switches with red and green lights, new remote control box with two switch control levers. Lights stay on when train is shut off.



No. 725—RAILROAD CROSSING . . . Unit consists of two straight sections of track, each 10" long, at 90°.



No. 702 CURVE TRACK . . . 10" long

3/16" SCALE TRACKS . . . 40" diameter

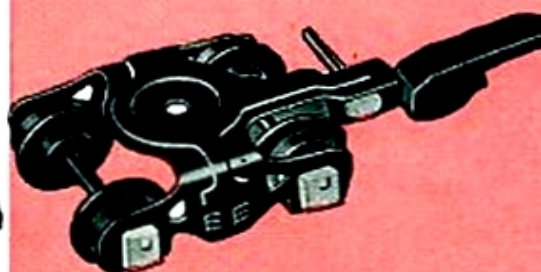
No. 703 ½ CURVE TRACK . . . 5" long



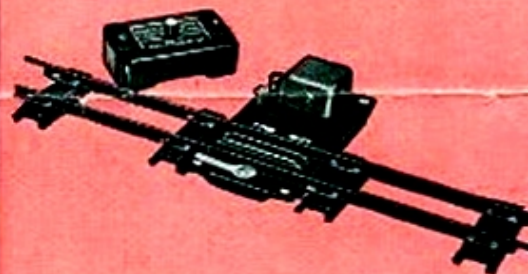
No. 700 STRAIGHT TRACK . . . 10" long

No. 701 ½ STRAIGHT TRACK . . . 5" long

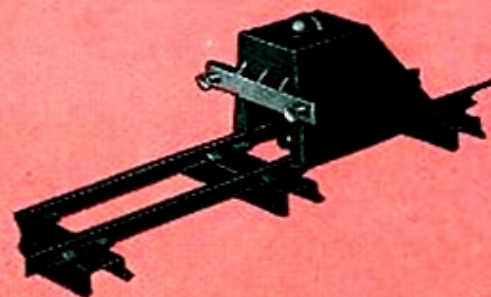
No. 692 TRACK LOCK . . . Keeps tracks from separating when trains are being operated.



No. 694 AUTOMATIC COUPLERS, TRUCKS, WHEELS AND AXLES . . . Fine for converting cars with old style couplers to new automatic positive action type that will fit new 3/16" scale track. Sold in pairs.



No. 706 REMOTE CONTROL ELECTRIC UNCOUPLER . . . A new clamp-on type—complete with a 10" section of straight track and electric control button.



No. 730 BUMPER . . . Easily snapped on and off. Equipped with recoil spring and light.

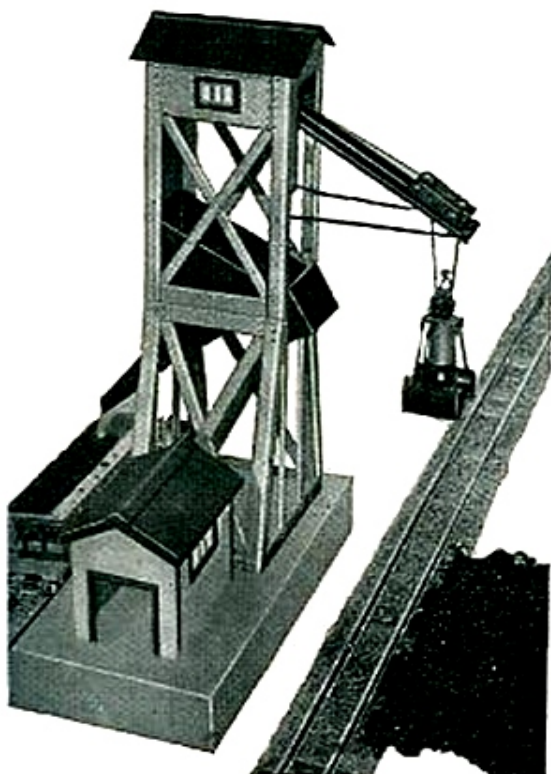


No. 690 TRACK TERMINAL . . .
No. 691 12 STEEL TRACK PINS . . .
No. 692 4 FIBER TRACK PINS . . .

UP GOES THE BUCKET DOWN SLIDES THE COAL

No. 752 AUTOMATIC SEABOARD
COALER . . .

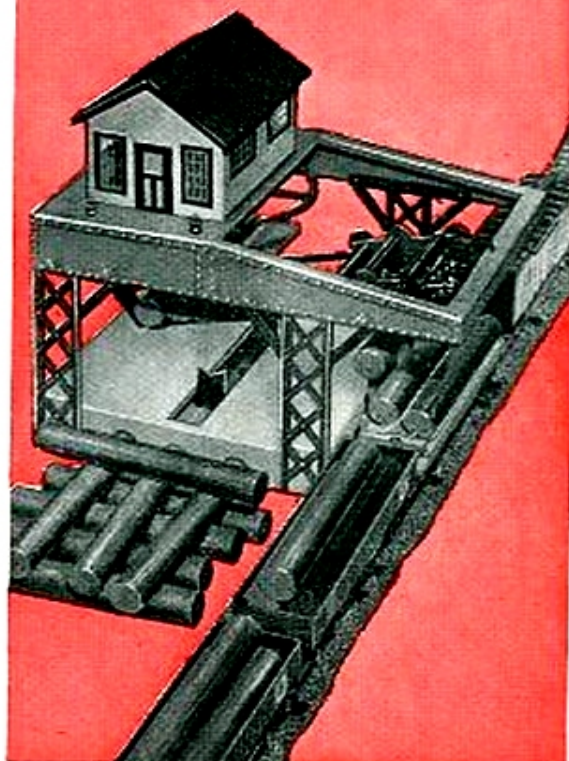
Bucket drops to coal pile—jaws open and snap together when full. Loaded bucket is then hoisted to top of tower, dumping coal into chute leading to car below. Remote control. Size 8 3/8" x 10 3/4" x 16 1/2".



PRESS A BUTTON AND THE LOG STARTS TO ROLL

No. 751 AUTOMATIC LOG LOADER . . .

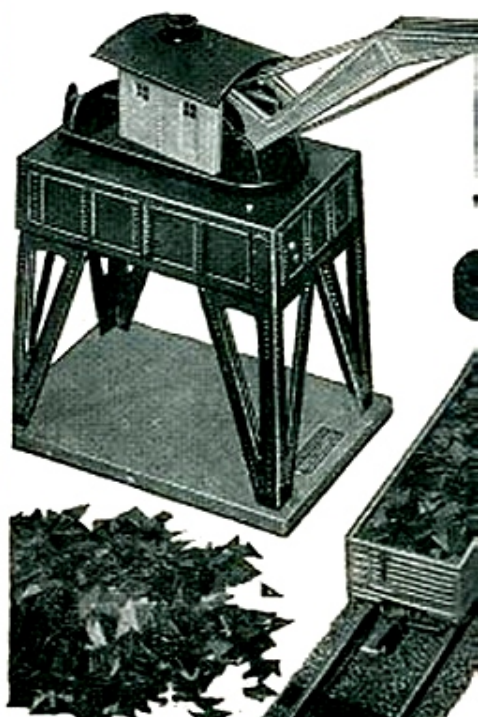
Elevator lifts log to overhead conveyor, which carries it underneath roof to end of arms and drops log into car below. Action directed by two remote control push buttons. Size 8 1/2" x 11 1/2" x 11".



WATCH THIS ELECTROMATIC CRANE SWING METAL INTO A CAR

No. 583 ELECTROMATIC CRANE . . .

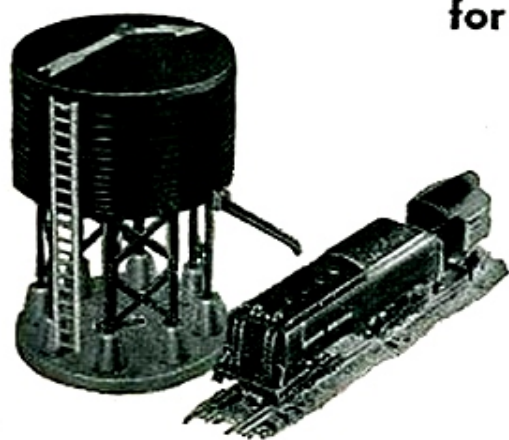
Grabs up load of steel by powerful electro magnet—hoists it high in the air—swings over car—lowers—and drops metal into car. Every movement controlled by remote control. Size 11" x 4" x 6".



TOWERING REALISTIC LOADING AND UNLOADING EQUIPMENT

All Operated by Electric
Push-Button Control

for 3/16" Systems also suitable
for "O" Gauge Systems



No. 596 WATER TANK . . .

Includes Track Terminal, Push Button
Lower, raise water spout by remote control.
Aviation warning light on top of tank. Size
11" x 6" x 6 1/2".

BULBS—ALWAYS HAVE EXTRAS ON HAND

Sold in Standard Packages Only

Lamps are used as follows: No. 440 and 453 in all Locomotives and cars, all stations and equipment except Nos. 579, 580 and 588. No. 451 for No. 579 and No. 580 lamp posts. No. 441 where Red globes are required. No. 443 where Green globes are required. No. 453 must be used in No. 720 Switches.

No.	Volts	Globe	Color	Diame.	Lamps in Pkg.
440	14	Round	Clear	7/16"	3
441	18	Round	Red	9/16"	3
443	18	Round	Green	9/16"	3
451	14	Round	Frosted	5/8"	1
453	18	Round	Clear	7/16"	3



No. 755 TALKING STATION . . .

Equipped with automatic electric audio announcer—Produces true-to-life sound effects of real railroad—hissing steam, chug of pistons, train announcer, etc. Stops and starts trains by remote control. Rooms station with windows, interior light and swinging door. Freight section has raised platform and sliding doors. Entire outfit on platform. Enamel finish. Size 6 x 12 x 8".

No. 598 TALKING STATION RECORD



No. 612 FREIGHT AND PASSENGER STATION with CRANE . . .

Track terminal included.
 Passenger section illuminated. Freight section has raised loading platform, sliding doors. Hand-operated crane has swivel base, boom that raises, lowers. Size 19" x 8" x 3 1/4".



No. 586F WAYSIDE STATION with FIGURES . . .

Smart new suburban station with baggage track, operator and porter. Double bench, long roof and two lights. Enamel finish. Size 12" x 5" x 3 3/4".



No. 579 SINGLE STREET LIGHT . . .
No. 580 DOUBLE STREET LIGHT . . .

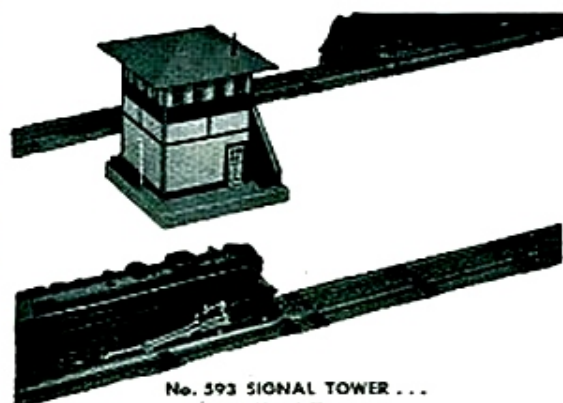
With Track Terminal
 Electrical contact through terminals in sturdy base.

No. 249 TUNNEL
 11 1/2" long — 7" high



No. 750 TRESTLE BRIDGE . . .

Includes Track Terminal
 Built of heavy steel. The tender's house has an interior light on top. Bright enamel finish. Size 17 3/4" x 8 3/4" x 4 3/4".



No. 593 SIGNAL TOWER . . .

With Track Terminal
 A stairway leads up to the lighted operators' room on the second floor. Windows on three sides. Brilliantly colored enamel finish. Size 7 3/8" x 5 1/2".



No. 589 PASSENGER AND FREIGHT STATION . . .

Includes Track Terminal
 Big passenger station with realistic windows, swinging door and interior illumination. Brilliantly enameled. Size 6" x 12" x 8".



No. 577 WHISTLING BILLBOARD . . .

Includes Signal Control Box
 Whistles any time by remote control. Illuminated. Size 4" x 7 1/2" x 4".



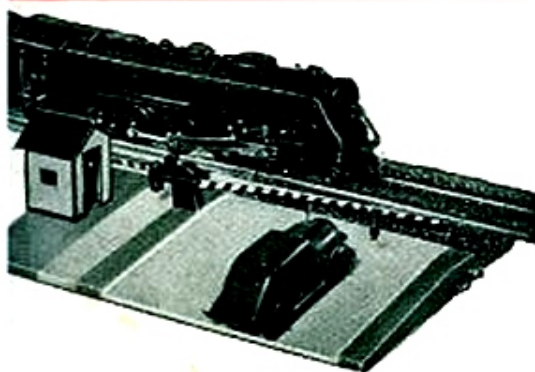
No. 585 TOOL SHED . .

Has bright enamel finish, plastic roof and sliding door. Adds realism to sidings, classification yards, etc. Size 4 1/2" x 6 3/4" x 5 1/4".



No. 582 AUTOMATIC BLINKER SIGNAL . . .

With Automatic Track Trips
 Double bolt's eye Lucite blinkers flash red automatically as train passes. Mounted on sturdy base. Enamel finish. Size 4 1/2" x 2 3/8" x 2-3/16".



No. 591 CROSSING GATE . . .

With Watchman's Shack
 Your speeding train automatically controls raising and lowering of double arm gates. Red light shines when gate is down. Die cast. Size 10" x 5 1/4".



No. 578 STATION FIGURE SET . . .

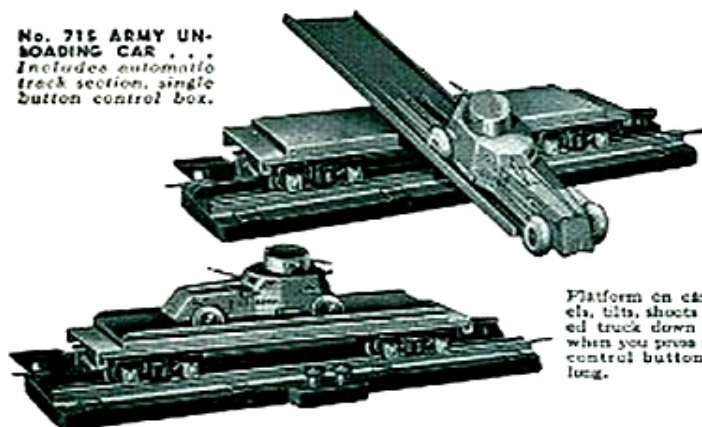
The set comprises six hand painted workers, a platform truck, two milk cans and a barrel. They add great realism to your railroad scenes.



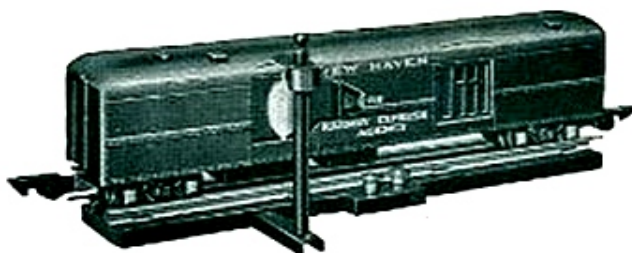
No. 581 GIRDER BRIDGE . . .

Sturdy, strong, modern girder type. Slips easily under any straight track section. Finished in silver and perfect in every detail. Size 10" x 1 3/4" x 4 1/8".

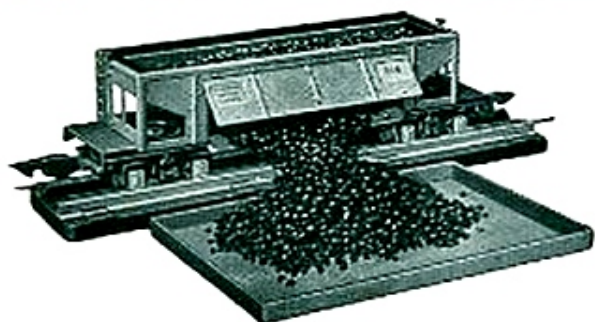
No. 715 ARMY UNLOADING CAR . . . Includes automatic track section, single button control box.



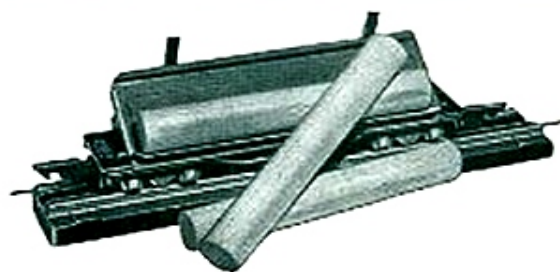
Platform on car swivels, tilts, shoots armored truck down incline when you press remote control button. 7 3/4" long.



No. 718 MAIL PICK-UP AND DISCHARGING CAR . . . Includes special track section, single button control box. By remote control the car's metal pick-up arm extends, picks up one mailbag as another is ejected. Load. 10 3/4".



No. 716 AUTOMATIC COAL DUMP CAR . . . Includes automatic track section, imitation coal, bin, single button control box. Side wings open via remote control, coal pours out into unloading bin. Turcan red outside, black inside. 7 3/8" long.



No. 717 LOG UNLOADING CAR . . . Includes automatic track section, single button control box, three realistic logs. Holds 3 logs which are dumped to ground by remote control. Black chassis, yellow platform. 7-11/16" long.



No. 636 DEPRESSED CENTER FLAT CAR . . . Six wheel trucks with nickel journal boxes. Loaded with a gigantic reel of cable. Gray with yellow reel. 10 1/2" long.

3/16" SCALE MODEL ROLLING STOCK AND ACTION CARS



No. 651 BAGGAGE CAR . . . Double track, nickel journal boxes, eight wheels. Red or green. 10 3/4" long.



No. 621 GONDOLA CAR . . . Sturdily constructed from railroad blueprints. Green. 8".



No. 622 HOPPER CAR . . . Nickel journal boxes, ladder, eight wheels. Gray. 6 3/4" long.



No. 654 OBSERVATION CAR with light . . . Observation platform, imitation window shades. Red or green. 11-15/16" long.



No. 650 COACH with light . . . Double track, nickel journal boxes. Red or green. 10 3/4" long.



No. 627 GIRDER CAR . . . Loaded with a realistic bridge girder. Has brake wheel. Gray chassis, red girder. 8 3/4" long.



No. 628 LOG CAR . . . Has brake wheel and six realistic logs. Gray chassis. 8 3/4" long.



No. 629 CATTLE CAR . . . Has brake wheel, ladder, door you can open or shut. Red. 7-13/16" long.



No. 653 BAGGAGE AND CLUB CAR with light . . . Sliding and hinged doors. Red or green. 12" long.



No. 639 CABOOSE . . . Illuminated. Nickel journal boxes, eight wheels. Red. 6" long.



No. 634 ARMY SEARCHLIGHT CAR . . . Turns and tilts on swivel base. Gray chassis, black platform, yellow lamp housing. 8 3/4" long.



No. 652 PULLMAN with light . . . Like real—over to the imitation window shades. Red or green. 12" long.



No. 625 TANK CAR . . . Has ladders, hand rail and brake wheel. Orange with black chassis. 7 3/4" long.



No. 633 BOX CAR . . . Has ladder, brake wheel. Sliding doors add to the fun. White sides, red roof. 7-13/16"



No. 635 WRECKER CAR . . . Cab and boom turn on swivel base; boom and hook raise and lower. Gray chassis, green boom, yellow house, red roof.

Developed at the Gilbert Hall of Science

"HO" GAUGE
THE HOBBYISTS' LINE



AMERICAN FLYER "HO" TRU-MODEL TRAINS AND EQUIPMENT

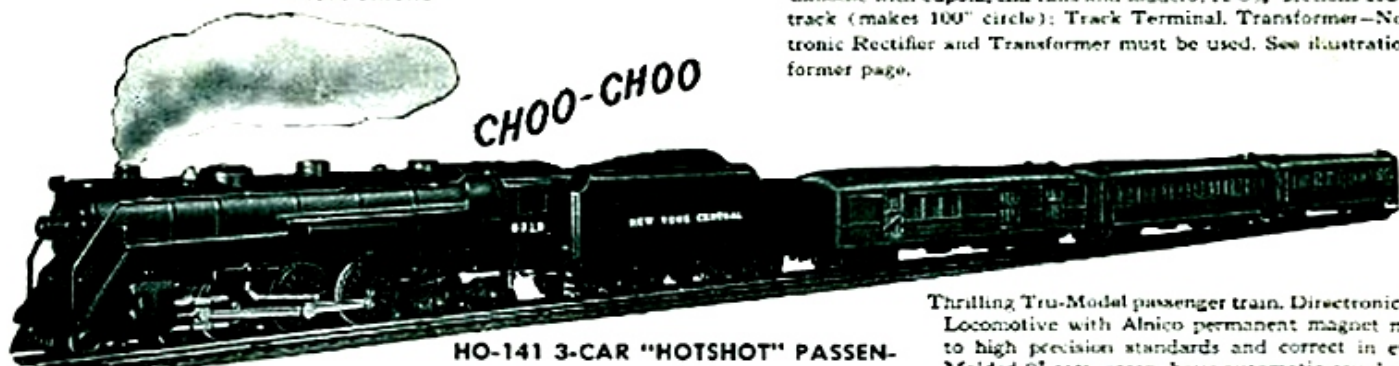
- ★ New Directronic Propulsion Locomotive
- ★ Built to Scale from Railroad Blueprints
- ★ "Choo-Choo" ★ Real Smoke
- ★ Superpower Worm Drive
- ★ Two-Rail Track on Realistic Bakelite Roadbed



HO-140 3-CAR "HOTSHOT" FREIGHT TRAIN—31" LONG with Directronic Propulsion Locomotive, "Choo-Choo," Real Smoke

A marvel of Tru Model design and precision construction, the 14' die-cast N. Y. C. Hudson type Directronic Propulsion Locomotive with Alnico permanent magnet motor surges over the iron, pouring out clouds of smoke, and roaring its "choo choos." Eccentric arms, valve levers and piston rods. Lucite headlight. Molded cars have automatic couplers.

Set consists of: 1 HO-151 N. Y. C. Hudson type (4-6-4) D.C. Locomotive and Tender, 14" long; 1 HO-128 "Lehigh N. E." Gondola, Gray; 1 HO-124 "Merchants Dispatch" Car, White and Tuscan red; 1 HO-131 illuminated Caboose with cupola, end rails and ladders; 12 8 $\frac{3}{4}$ " sections HO-260 curved track (makes 100" circle); Track Terminal. Transformer—No. 15 Directronic Rectifier and Transformer must be used. See illustration on transformer page.



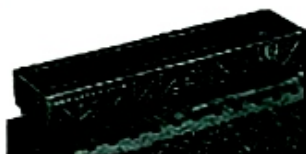
HO-141 3-CAR "HOTSHOT" PASSENGER TRAIN—42" LONG with Directronic Propulsion Locomotive, "Choo-Choo," Real Smoke

Thrilling Tru-Model passenger train. Directronic Propulsion Locomotive with Alnico permanent magnet motor. Built to high precision standards and correct in every detail. Molded 9" cars, green, have automatic couplers.

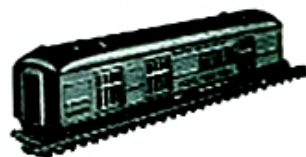
Set consists of: 1 HO-151 D.C. Locomotive and Tender, 14" long; 1 HO-133 illuminated Baggage and Mail Car; 2 HO-135 Passenger coaches; 12 8 $\frac{3}{4}$ " sections HO-260 curve track. Realistic Bakelite Roadbed (makes 100" circle—32" diameter); Track Terminal. Transformer—No. 15 Directronic Rectifier and Transformer must be used.



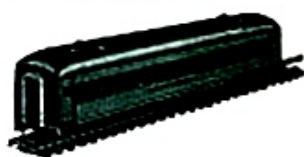
HO-151 D.C. "N.Y.C." (4-6-4) Electronic Propulsion LOCOMOTIVE AND TENDER—14" long Die-cast, "Choo-Choo," real smoke, worm drive, Alnico Permanent Magnet motor. Lucite headlight.



HO-128 GONDOLA CAR "Lehigh New England," gray, 6"



HO-133 "N.H." BAGGAGE AND MAIL CAR Two four-wheel trucks, automatic couplers. Illuminated, Green, 9".



HO-135 "N.H." PASSENGER COACH Simulated glass windows, automatic couplers. Illuminated, Green, 9".



HO-131 CABOOSE Cupola, end rails, ladders. Illuminated, 6"



HO-124 "M.D." REFRIGERATOR CAR 9"

★ HO-268 REMOTE CONTROL TRACK SWITCHES

"HO" GAUGE SWITCHES

Sold in pairs only

Unique control box included with each pair of switches permits controlling train from a distant point. Red and green lights on switches indicate in which direction they are set.

★ Rails mounted on realistic Bakelite roadbed

★ HO-263 1/2 SEC. STRAIGHT TRACK, 4" long

★ HO-260 CURVED TRACK, 8 3/4" long

★ HO-264 1/2 SEC. CURVED TRACK, 4 3/16" long

12 8 3/4" sections make a 32" diameter circle.

★ HO-250 TRACK TERMINAL
May be attached to any curve sec-



AMERICAN FLYER STEP DISPLAY No. 100

This display has been thoroughly sales-tested and offers a practical and effective way to show the entire American Flyer train line.

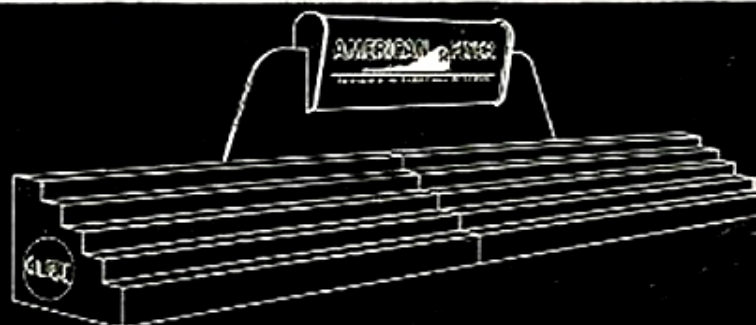
Display consists of two sets of steps, each of which is 60" long x 18" deep and with three steps 3" wide and 3" high.

Placed back to back, the two sets of steps measure 60" x 36" at the base and make an ideal island display. Track layout may be built

around base of display, using space at two ends for stations, automatic loading equipment and other accessories. Placed end to end, the two sets of steps make a wall display 120" long x 18" wide.

Display background is in two tones of blue with red lettering on white panel; can readily be fitted to either method of using display.

Write for Prices



The A. C. GILBERT COMPANY

Factory: Erector Square, New Haven, Conn., U. S. A.