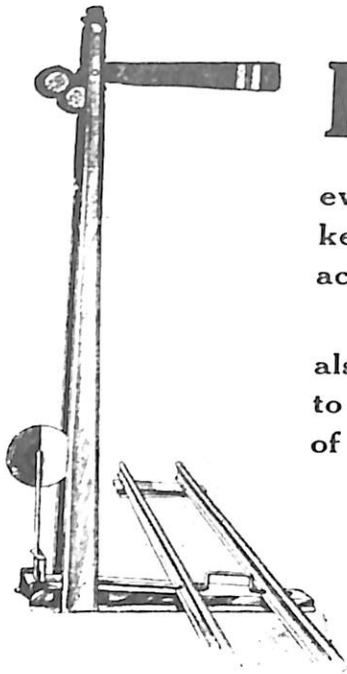


1910

Ives Toys





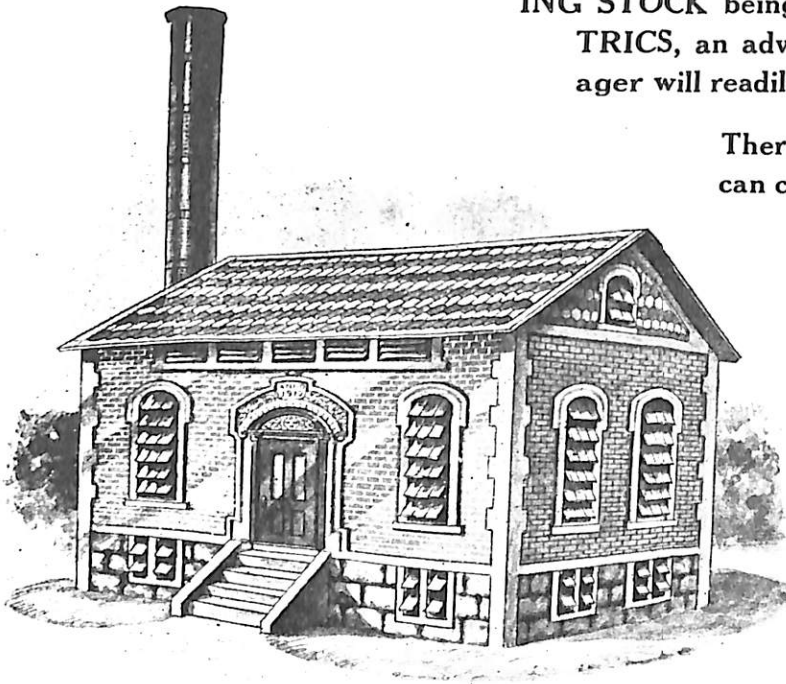
SIGNAL WITH CHECK
No. 107 for 0 Gauge Track
No. 108 for 1 Gauge Track

LITTLE need be said of the IVES MINIATURE RAILWAY SYSTEM. The young railroader knows its value. In this descriptive Railway Book he will find everything needed to further the interests of his line and keep the Trackage, Rolling Stock, Freight and Passenger accommodations up to a high standard of efficiency.

His ADVISORY BOARD (father and mother) may also be interested in looking through the Railway Book to note the completeness of all details, and the perfection of the ACCESSORIES, which allows the young Manager to select modern equipment along American Lines.

In adding the Electric Service we take one step nearer the "IDEAL" in MINIATURE RAILROADING. The gauge of TRACK being standard, the present MECHANICAL outfits can be successfully operated on the THIRD RAIL TRACKS, which permits all of the MECHANICAL ROLLING STOCK being used with the ELECTRICS, an advantage which the Manager will readily appreciate.

There is no amusement that can compare with the



POWER HOUSE

- No. 200—To place over batteries
- No. 201—Contains transformer and connections for alternating current
- No. 202—Contains transformer and connections for direct current

IVES MINIATURE RAILWAY SYSTEM

MECHANICAL
or ELECTRIC,
in bringing out,
and developing
the mind and
ingenuity of the
boys.

MADE BY

THE IVES MANUFACTURING CORPORATION
Bridgeport, Conn., U. S. A.

Original catalog printed black and red ink throughout.

Reproduced June 1, 1965 By

LESTER T. GORDON

2343 West 67th St.

Indianapolis, Ind.

1910

President, EDWARD R. IVES

Secretary, CHARLES H. SILLIMAN

Treasurer, HARRY C. IVES

THE IVES MANUFACTURING CORPORATION

MAKERS OF

MECHANICAL **IVES TOYS** ELECTRICAL

THE IVES MINIATURE RAILWAY SYSTEM

BRIDGEPORT, CONN.

COMPLETE SETS
STATIONS
BRIDGES



TRACKAGE
SIGNALS
TUNNELS, Etc.

Division Manager, The Ives Miniature Railway System:

Dear Mr. Manager:

This is a letter of instruction regarding the operation of your railroad.

After laying the Track as described on page 19, place your Train upon it.

After winding the Locomotive release the Brake (if your Locomotive is of such a number as calls for one) and the Train is ready to run.

If Electric, follow instructions on page 4.

Place your Stations, Bridges, Train Sheds, Switches, Signals and Freight Houses wherever you, as Manager, think they will be of the best service.

After the Train has traveled for a short time, you, acting as Inspector, should wipe the Tracks thoroughly. The first running loosens small particles from the Rails, which make the Cars draw hard. After the Rails become smooth, only occasional cleaning is necessary to keep your Track in good condition. Oil the Locomotive occasionally with fine sewing machine oil. Just a small drop on each bearing is all that is necessary.

This Railroad should be operated just like a big one.

If a Locomotive seems too strong, a weight in the Tender or an extra Car will hold it.

The responsibility for the successful operation of The Ives Miniature Railway System depends upon you as Manager, and the best results will be obtained by carefully following instructions contained in this letter.

Yours very truly,

THE IVES MANUFACTURING CORPORATION,
Bridgeport, Conn.

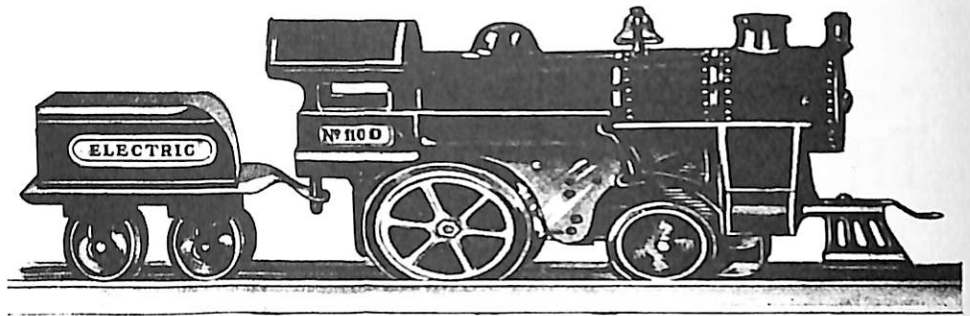
Original catalog printed black and red ink throughout.

Reproduced June 1, 1965 By

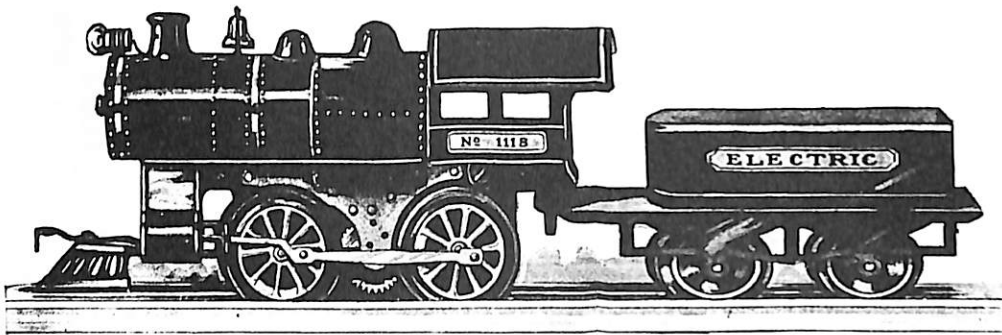
LESTER T. GORDON

2343 West 67th St.

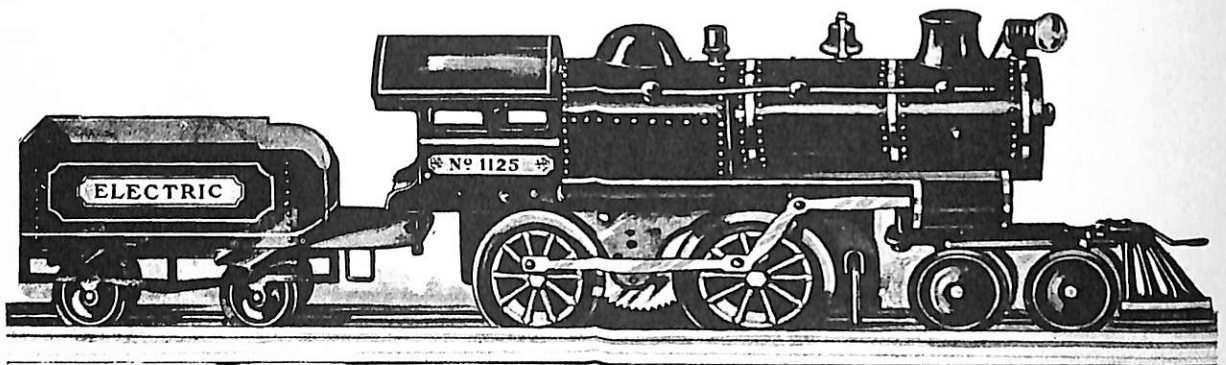
Indianapolis, Ind.



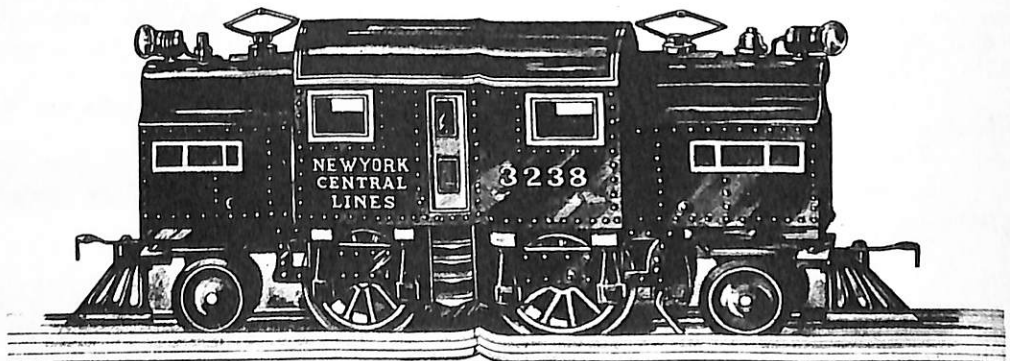
No. 1100 Electric Locomotive, 6½ inches long.



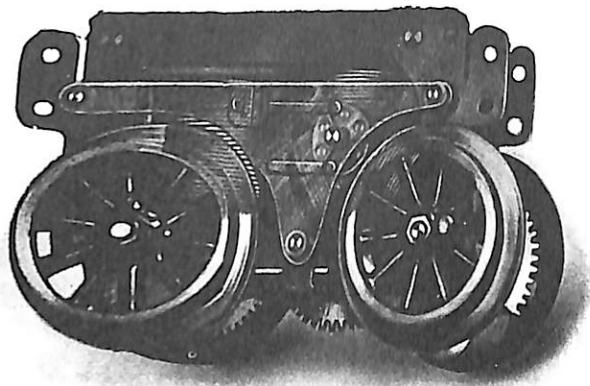
No. 1118 Electric Locomotive with electric headlight.
 No. 1117 " " without electric headlight.
 7½ inches long.



No. 1125 Electric Locomotive, 8¼ inches long; reverses, electric headlight.



No. 3238 Electric Locomotive, New York Central type, 9¼ inches long; reverses.
 2 electric headlights.



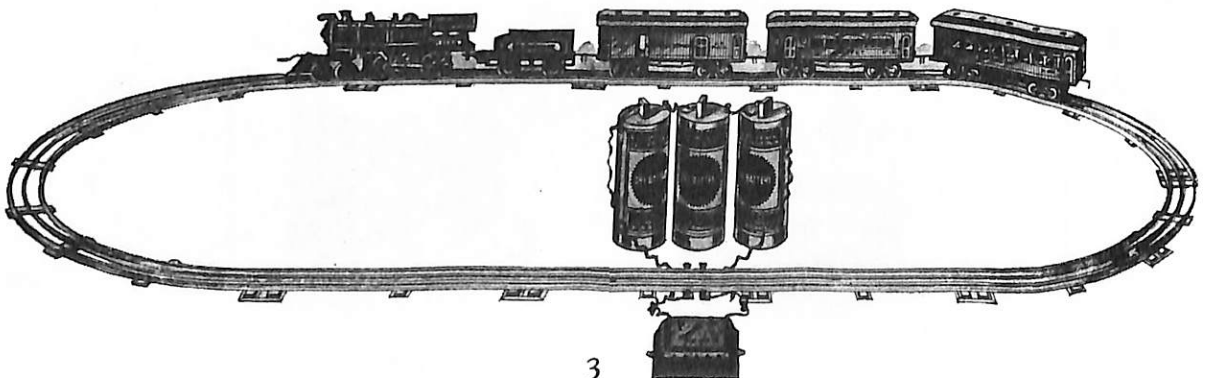
ELECTRIC TRAIN SETS

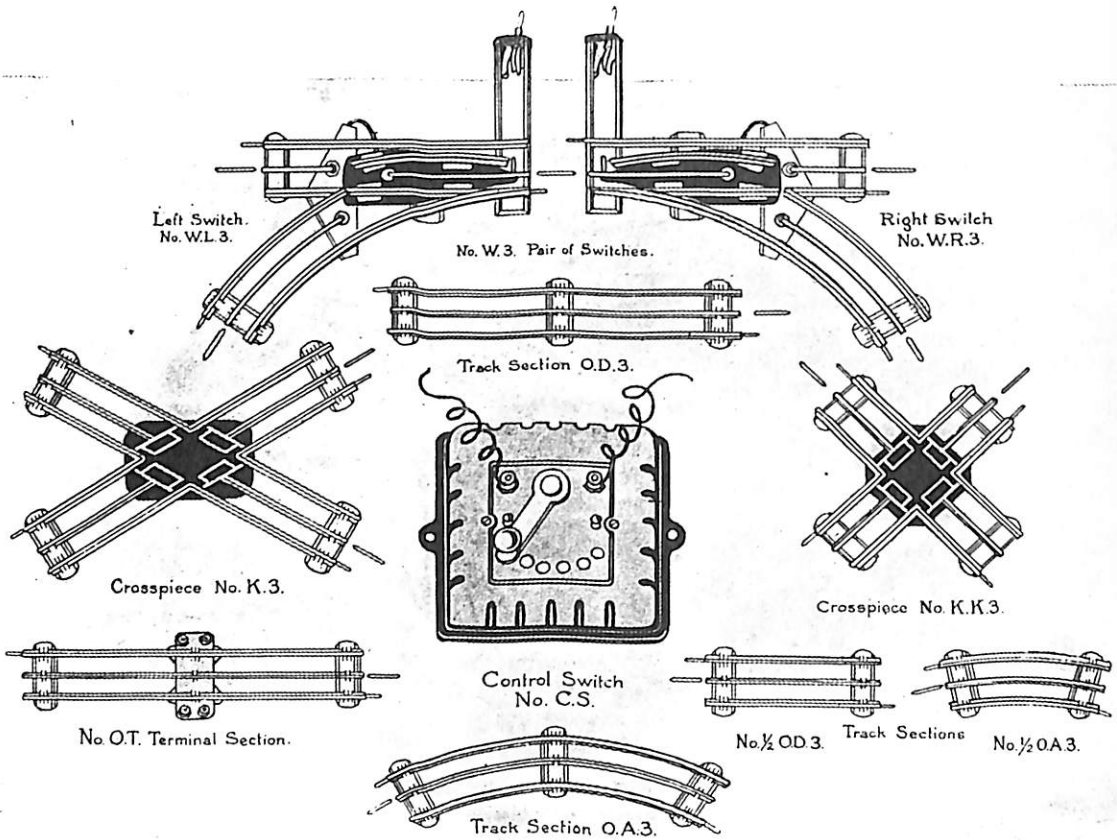
No. 0 Gauge Track, 3rd Rail System

- No. 1105 Electric Train.**—Electric Locomotive No. 1100, Tender, No. 50 Car, No. 51 Car, No. 52 Car; Tracks 8 No. OA3, 1 No. OD3, 1 No. OT Terminal, 1 No. C. S. Control Switch, 1 set Connections.
- No. 1114 Electric Train.**—Electric Locomotive No. 1117, Tender, No. 60 Car, No. 61 Car; Tracks, 8 No. OA3, 3 No. OD3, 1 No. OT Terminal, 1 No. C. S. Control Switch, 1 set Connections.
- No. 1115 Electric Train.**—Electric Locomotive No. 1118, with headlight, Tender, No. 60 Car, No. 61 Car, No. 62 Car; Tracks, 8 No. OA3, 5 No. OD3, 1 No. OT Terminal, 1 No. C. S. Control Switch, 1 set Connections.
- No. 1126 Electric Train.**—Electric Locomotive No. 1125, with headlight, Tender, No. 129 Car, No. 130 Car, No. 131 Car; Tracks, 8 No. OA3, 7 No. OD3, 1 No. OT Terminal, 1 No. C. S. Control Switch, 1 set Connections.
- No. 1127 Electric Train.**—Same as No. 1126 with N. Y. C. Type of Electric Locomotive with two headlights. No tender.

-
- No. 1100 Electric Locomotive.**—Single geared.
- No. 1117 Electric Locomotive.**—Double geared.
- No. 1118 Electric Locomotive.**—Double geared. Electric headlight.
- No. 1125 Electric Locomotive.**—Double geared. Reverses. Electric headlight.
- No. 3238 Electric Locomotive.**—N. Y. C. Type. Double geared. Reverses. Two Electric headlights.
- No. OA3 Curved Third Rail Track.**
- No. OD3 Straight Third Rail Track.**
- No. OT Third Rail Terminal.**
- No. C. S. Control Switch.**

No. 1126 Electric Train, set up, and properly connected with batteries and control switch.
All the necessary connections are furnished with each train, but no batteries.





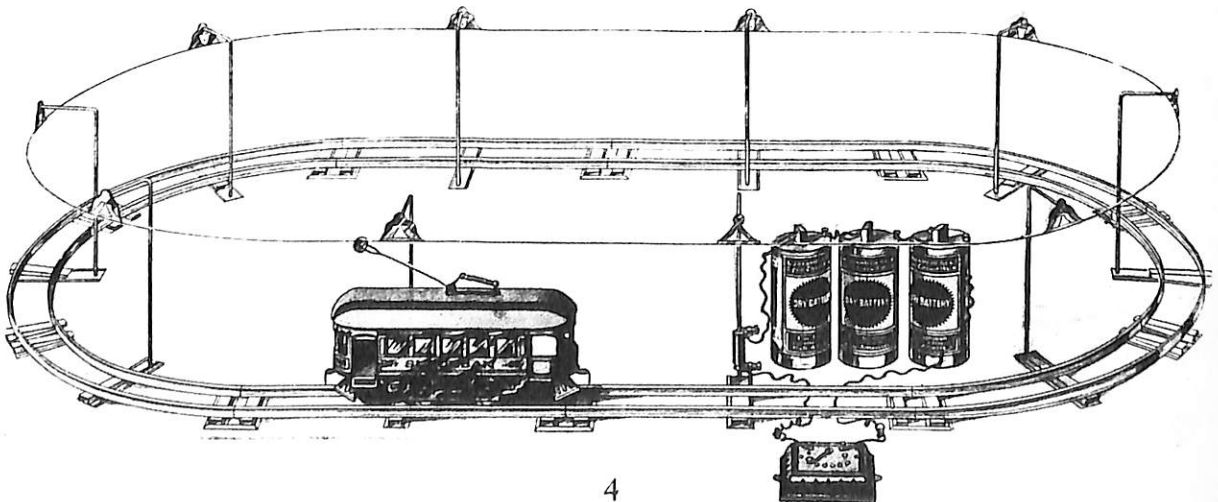
THIRD RAIL TRACKAGE

Lay the Third Rail Track as described on page 19, but insert the loose pin in one end of the third, or middle rail, which when inserted in the third rail of the adjoining section makes a perfect circuit. Connect batteries and Control Switch with Terminal Section, as shown in cut of Train No. 1126, page 3. The operator can regulate the speed, stopping and starting, by moving the lever on Control Switch. This is an ideal method for handling the Train. It is best to run the Train slowly at first. When one becomes accustomed to the use of the Control Switch, high speed can be obtained on the straight Track, but the speed must be reduced at curves. If one or more sections of "dead" Track are desired, remove one or more loose pins from the third rail. Three good dry batteries are all that is necessary to supply the current.

No. 810 ELECTRIC TROLLEY SET No. 0 Gauge Track

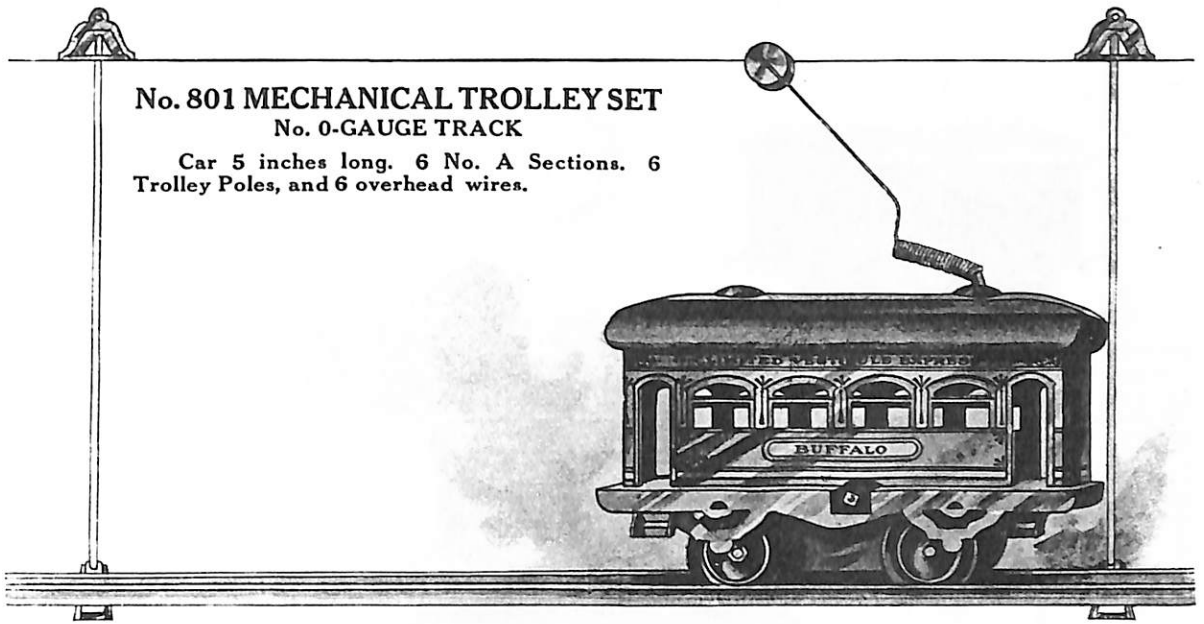
Car $7\frac{3}{4}$ inches long. 6 No. A sections, 4 No. D sections, 9 Trolley poles, 1 Terminal Trolley pole, 10 overhead wires, and 1 No. C. S. Control Switch.

Set up the Track for Electric Trolley System the same as described on opposite page. Make battery connections with Terminal pole and Control Switch same as illustrated below.



No. 801 MECHANICAL TROLLEY SET
No. 0-GAUGE TRACK

Car 5 inches long. 6 No. A Sections. 6
Trolley Poles, and 6 overhead wires.



INSTRUCTIONS FOR TROLLEYS

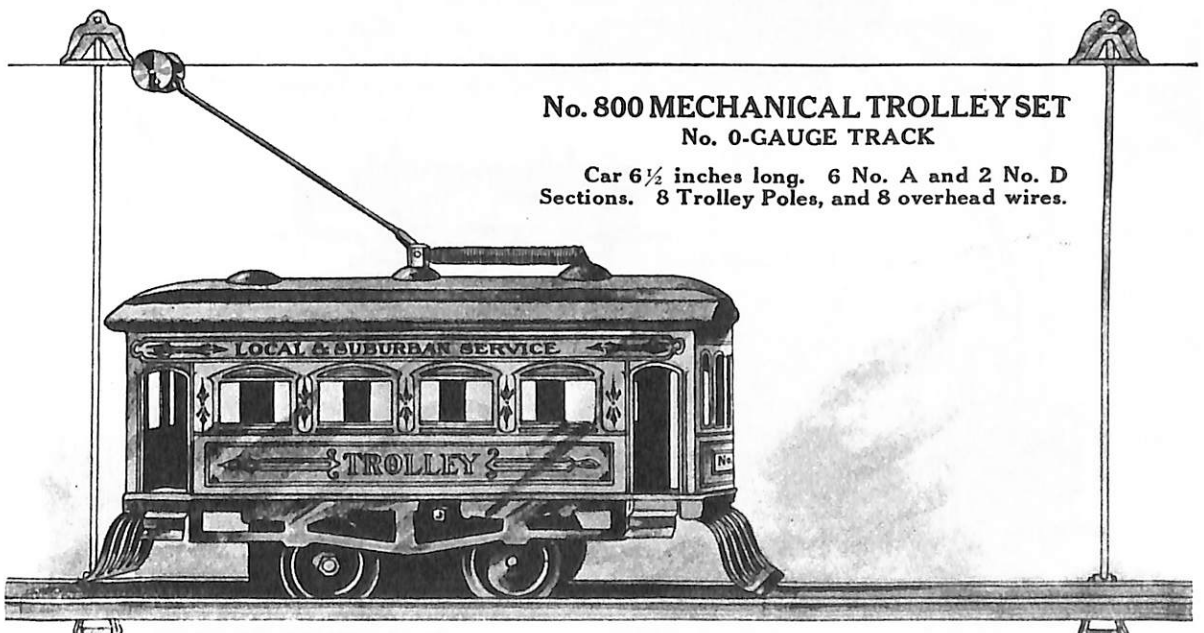
After putting the Track together, as described on page 19, slide the base of the pole on to the middle Track sleeper of each Track section as far as it will go.

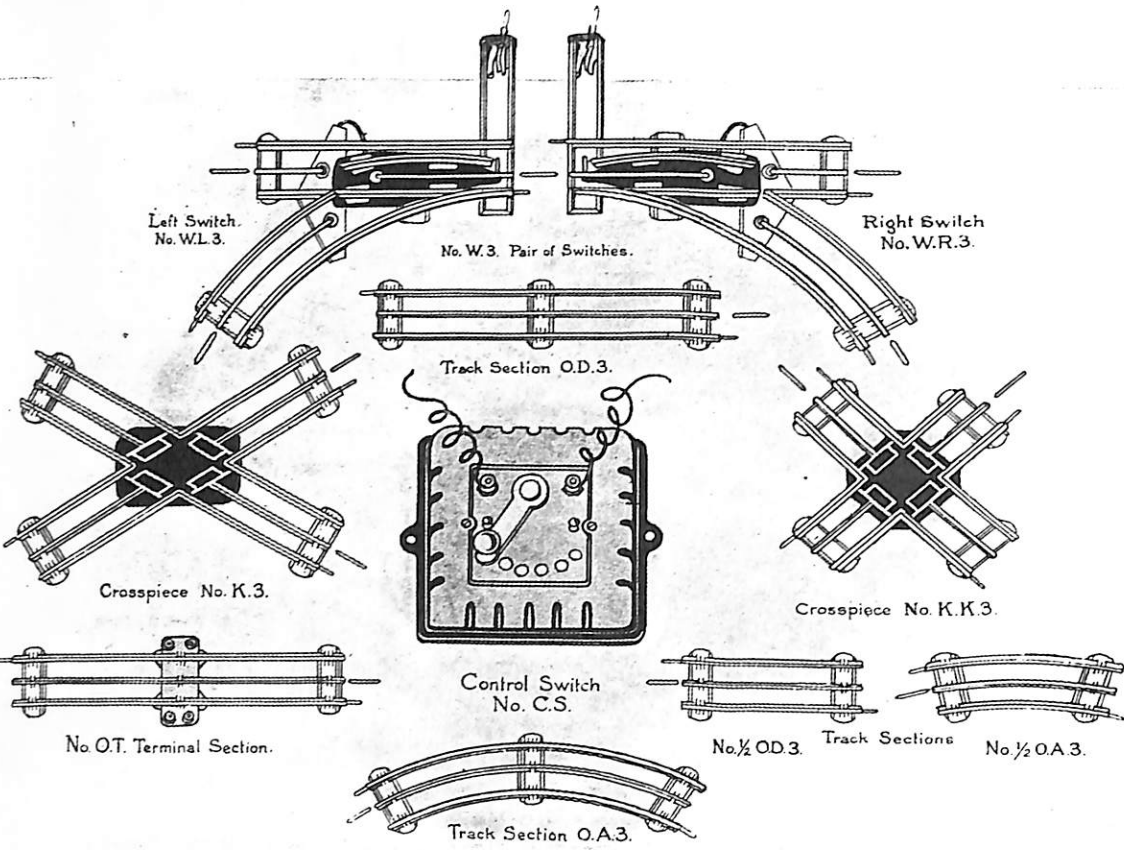
All poles should be on the inside of track, or circle. The overhead wires are to be inserted into the hollow ends of the hangers. Keep the wire as level as possible, as a short bend will throw the Trolley wheel off. Run from left to right.

Tracks can be enlarged in the usual manner, but a pole and overhead wire must be added with each section.

No. 800 MECHANICAL TROLLEY SET
No. 0-GAUGE TRACK

Car 6½ inches long. 6 No. A and 2 No. D
Sections. 8 Trolley Poles, and 8 overhead wires.



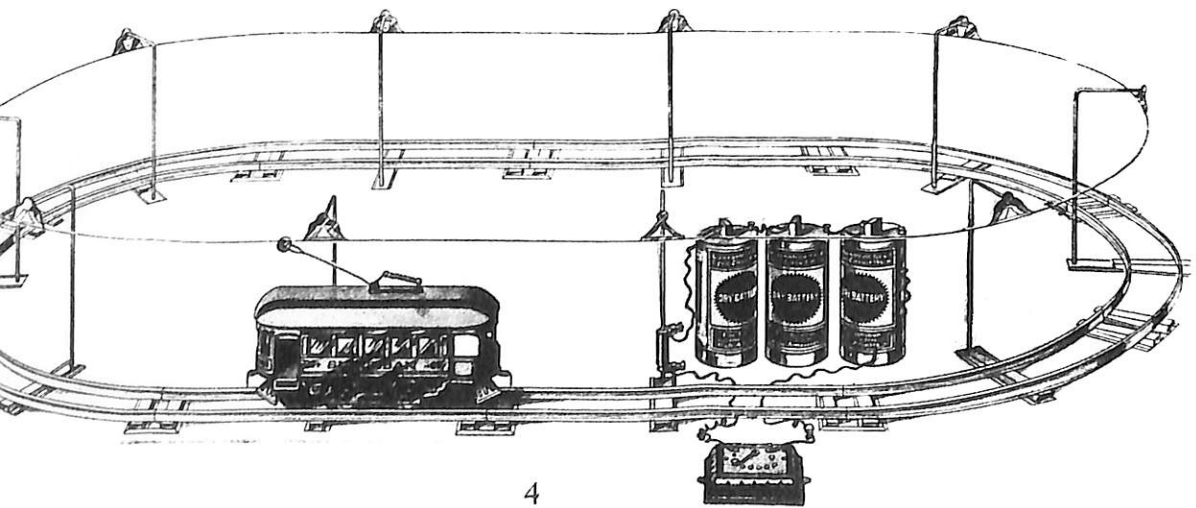


THIRD RAIL TRACKAGE

Lay the Third Rail Track as described on page 19, but insert the loose pin in one end of the third, middle rail, which when inserted in the third rail of the adjoining section makes a perfect circuit. Connect batteries and Control Switch with Terminal Section, as shown in cut of Train No. 1126, page 3. The operator can regulate the speed, stopping and starting, by moving the lever on Control Switch. This is an ideal method for handling the Train. It is best to run the Train slowly at first. When one becomes accustomed to the use of the Control Switch, high speed can be obtained on the straight Track, but the speed must be reduced at curves. If one or more sections of "dead" Track are desired, remove one or more loose pins from the third rail. Three good dry batteries are all that necessary to supply the current.

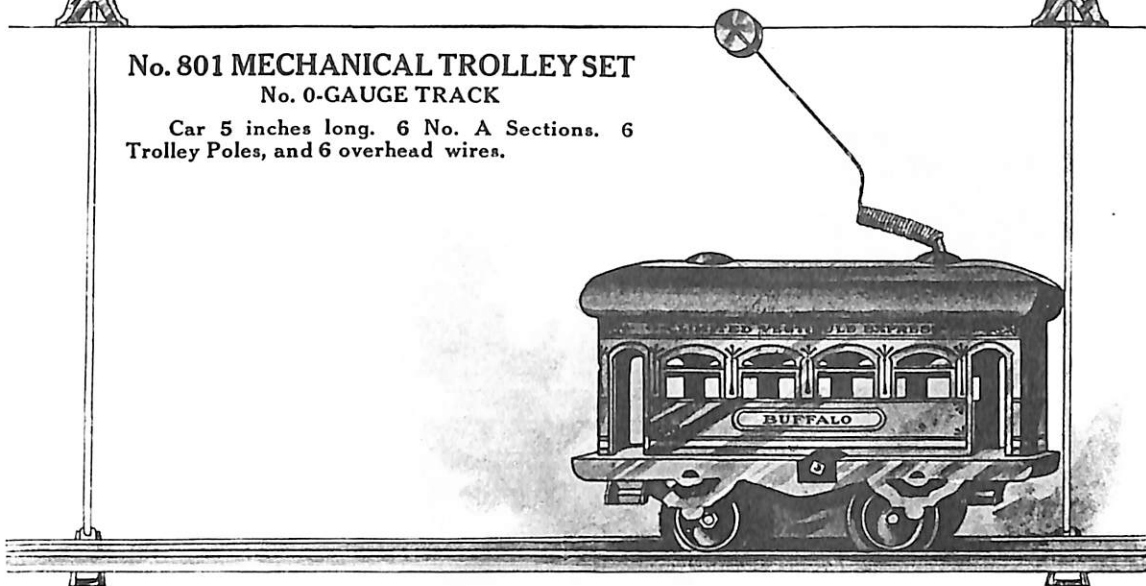
No. 810 ELECTRIC TROLLEY SET No. 0 Gauge Track

Car 7 3/4 inches long. 6 No. A sections, 4 No. D sections, 9 Trolley poles, 1 Terminal Trolley pole, 10 overhead wires, and 1 No. C. S. Control Switch.
Set up the Track for Electric Trolley System the same as described on opposite page. Make battery connections with Terminal pole and Control Switch same as illustrated below.



No. 801 MECHANICAL TROLLEY SET
No. 0-GAUGE TRACK

Car 5 inches long. 6 No. A Sections. 6
Trolley Poles, and 6 overhead wires.



INSTRUCTIONS FOR TROLLEYS

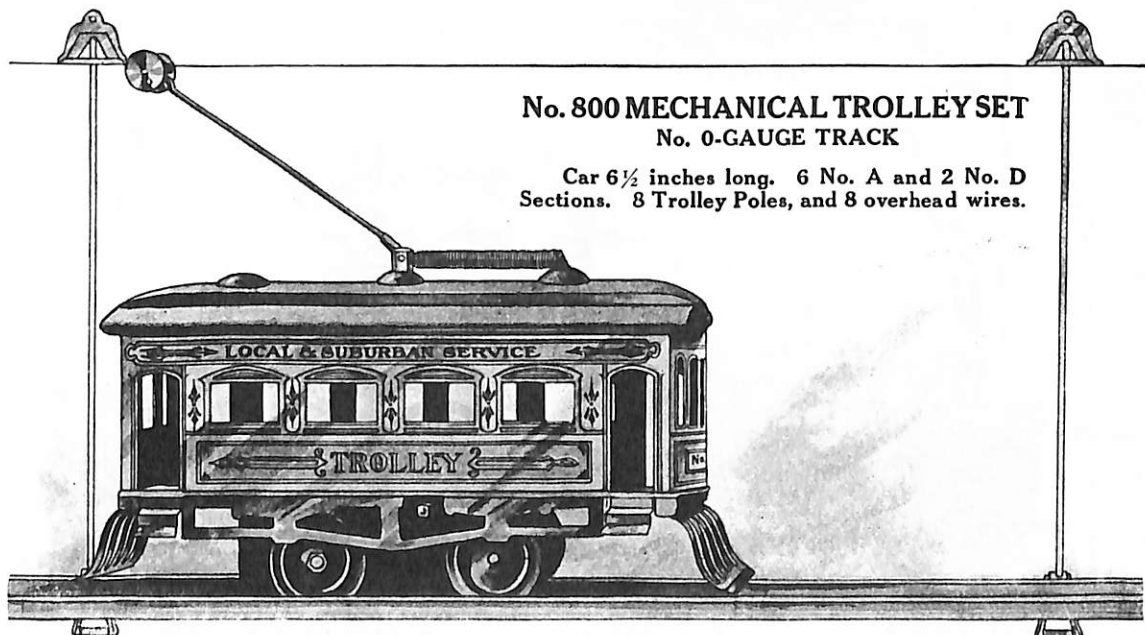
After putting the Track together, as described on page 19, slide the base of the pole on to the middle Track sleeper of each Track section as far as it will go.

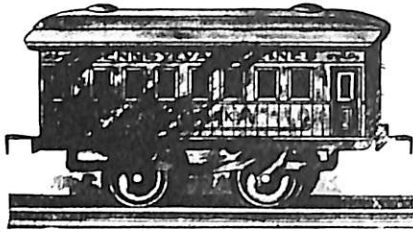
All poles should be on the inside of track, or circle. The overhead wires are to be inserted into the hollow ends of the hangers. Keep the wire as level as possible, as a short bend will throw the Trolley wheel off. Run from left to right.

Tracks can be enlarged in the usual manner, but a pole and overhead wire must be added with each section.

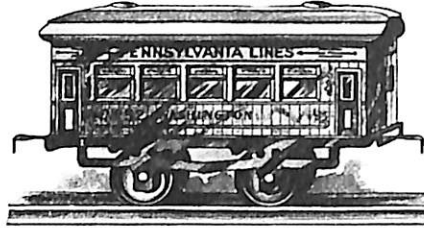
No. 800 MECHANICAL TROLLEY SET
No. 0-GAUGE TRACK

Car 6½ inches long. 6 No. A and 2 No. D
Sections. 8 Trolley Poles, and 8 overhead wires.

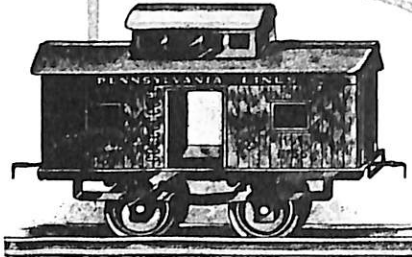




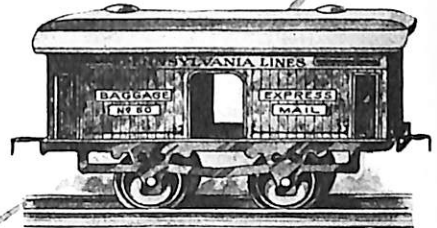
No. 51 Passenger Car, 5¼ inches long.



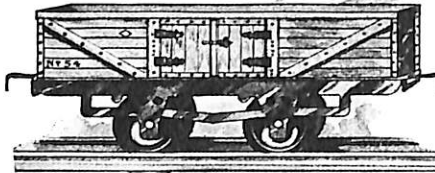
No. 52 Parlor Car, 5¼ inches long.



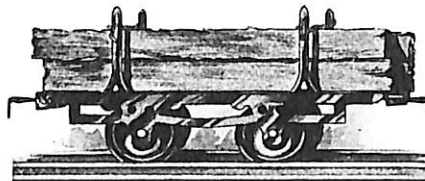
No. 56 Caboose, 5 inches long.



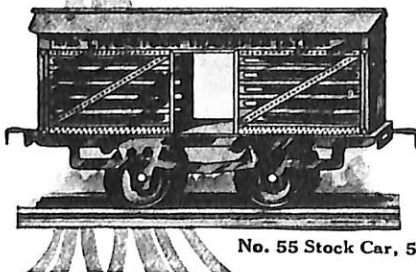
No. 50 Baggage Car, 5¼ inches long.



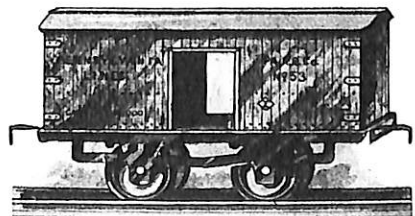
No. 54 Gravel Car, 5 inches long.



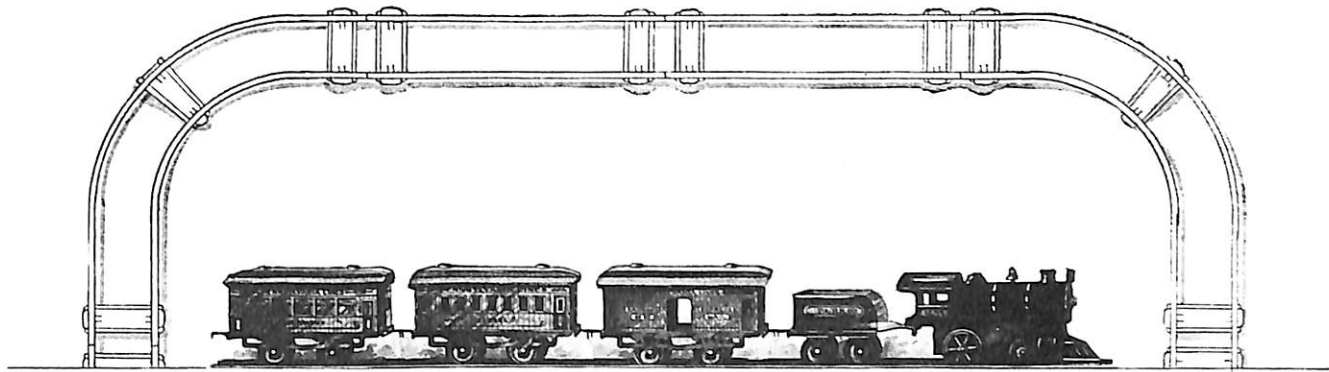
No. 57 Lumber Car, 5 inches long.



No. 55 Stock Car, 5 inches long.



No. 53 Freight Car, 5 inches long.

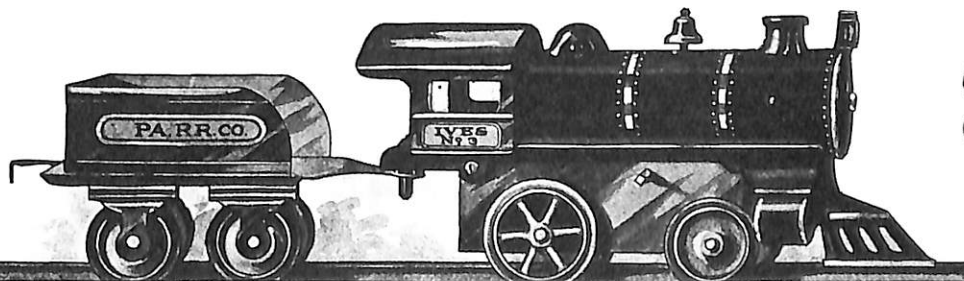


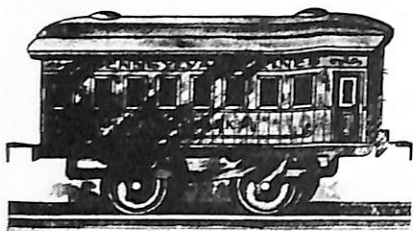
MECHANICAL TRAIN SETS, No. 50 SERIES

No. 0 Gauge

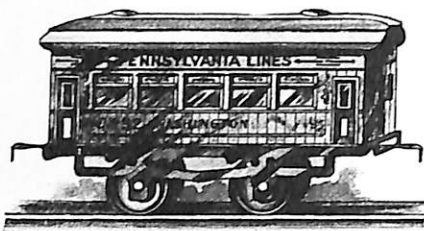
- No. 0 Passenger Train.**—Iron Locomotive No. 0, Tender, one Passenger Car No. 51, Tracks 6 No. A, making Figure No. 0.
- No. 1 Passenger Train.**—Iron Locomotive No. 1, Tender, one Passenger Car No. 51, Tracks 6 No. A, 3 No. D, making Figures Nos. 0 and 2.
- No. 2 Passenger Train.**—Iron Locomotive No. 2, Tender, Baggage Car No. 50, Passenger Car No. 51, Tracks 6 No. A, 2 No. D, making Figures Nos. 0 and 1.
- No. 3 Passenger Train.**—Iron Locomotive No. 3, Tender, Baggage Car No. 50, Passenger Car No. 51, Drawing Room Car No. 52, Tracks 6 No. A, 4 No. D, making Figures Nos. 1 and 2.
- No. 4 Passenger Train.**—Iron Locomotive No. 4, Tender, Baggage Car No. 50, Passenger Car No. 51, Tracks 10 No. A and 1 No. K, making Figure No. 13.
- No. 5 Freight Train.**—Iron Locomotive No. 2, Tender, Lumber Car No. 57, Caboose No. 56, Tracks 6 No. A, 2 No. D, making Figures Nos. 0 and 1.
- No. 6 Freight Train.**—Iron Locomotive No. 4, Tender, Merchandise Car No. 53, Stock Car No. 55, Caboose No. 56, Tracks 6 No. A, 4 No. D, making Figures Nos. 1 and 2.
- No. 7 Freight Train.**—Iron Locomotive No. 4, Tender, three Gravel Cars No. 54, Caboose No. 56, Tracks 6 No. A, 6 No. D, making Figures Nos. 1, 2 and 3.

Locomotives Nos. 0, 1, 2, 3 and 4.—6 inches long. Speed-Governed.

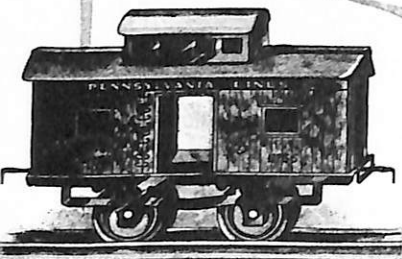




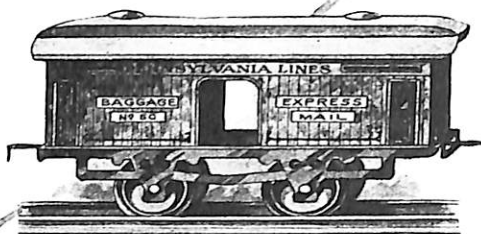
No. 51 Passenger Car, 5 1/4 inches long.



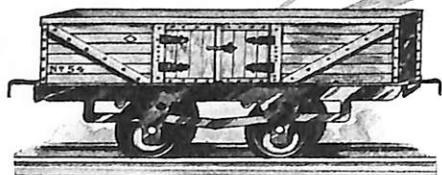
No. 52 Parlor Car, 5 1/4 inches long.



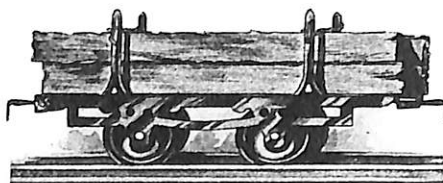
No. 56 Caboose, 5 inches long.



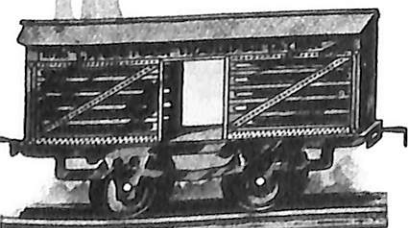
No. 50 Baggage Car, 5 1/4 inches long.



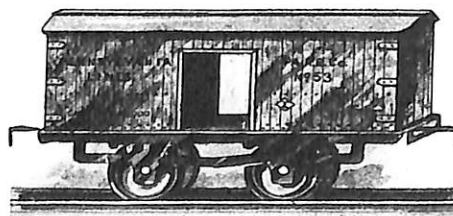
No. 54 Gravel Car, 5 inches long.



No. 57 Lumber Car, 5 inches long.



No. 55 Stock Car, 5 inches long.



No. 53 Freight Car, 5 inches long.

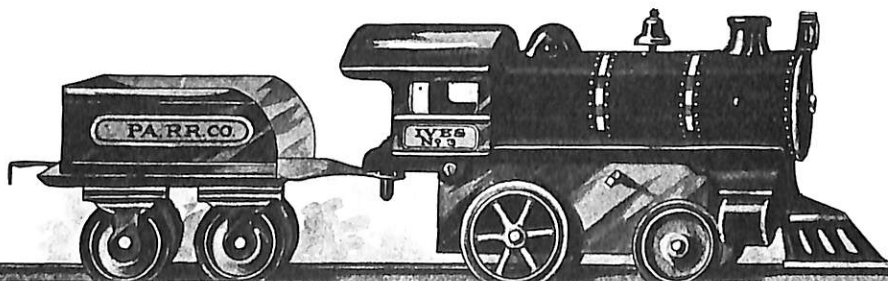


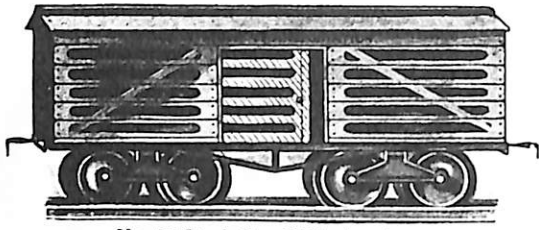
MECHANICAL TRAIN SETS, No. 50 SERIES

No. 0 Gauge

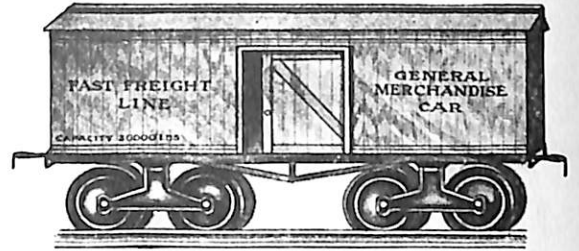
- No. 0 Passenger Train.—Iron Locomotive No. 0, Tender, one Passenger Car No. 51, Tracks 6 No. A, making Figure No. 0.
- No. 1 Passenger Train.—Iron Locomotive No. 1, Tender, one Passenger Car No. 51, Tracks 6 No. A, 3 No. D, making Figures Nos. 0 and 2.
- No. 2 Passenger Train.—Iron Locomotive No. 2, Tender, Baggage Car No. 50, Passenger Car No. 51, Tracks 6 No. A, 2 No. D, making Figures Nos. 0 and 1.
- No. 3 Passenger Train.—Iron Locomotive No. 3, Tender, Baggage Car No. 50, Passenger Car No. 51, Drawing Room Car No. 52, Tracks 6 No. A, 4 No. D, making Figures Nos. 1 and 2.
- No. 4 Passenger Train.—Iron Locomotive No. 4, Tender, Baggage Car No. 50, Passenger Car No. 51, Tracks 10 No. A and 1 No. K, making Figure No. 13.
- No. 5 Freight Train.—Iron Locomotive No. 2, Tender, Lumber Car No. 57, Caboose No. 56, Tracks 6 No. A, 2 No. D, making Figures Nos. 0 and 1.
- No. 6 Freight Train.—Iron Locomotive No. 4, Tender, Merchandise Car No. 53, Stock Car No. 55, Caboose No. 56, Tracks 6 No. A, 4 No. D, making Figures Nos. 1 and 2.
- No. 7 Freight Train.—Iron Locomotive No. 4, Tender, three Gravel Cars No. 54, Caboose No. 56, Tracks 6 No. A, 6 No. D, making Figures Nos. 1, 2 and 3.

Locomotives Nos. 0, 1, 2, 3 and 4.—5 inches long, Speed-Governed.

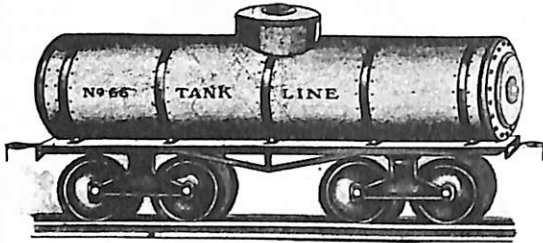




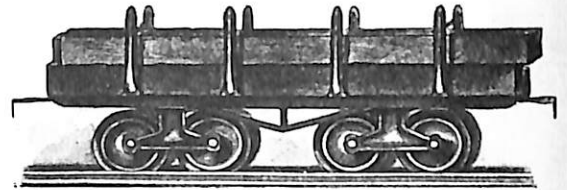
No. 65 Stock Car, 6½ inches long.



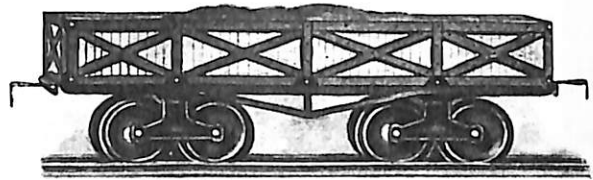
No. 64 Merchandise Car, 6½ inches long.



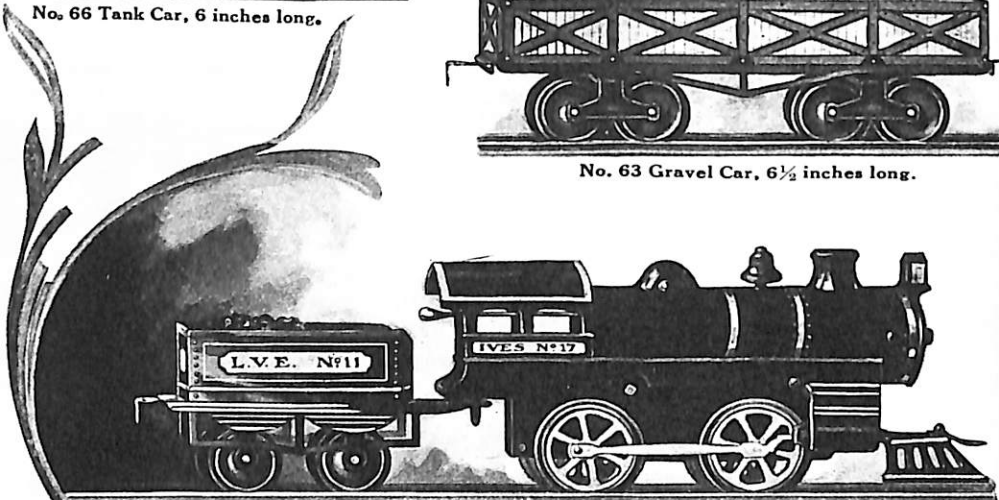
No. 66 Tank Car, 6 inches long.



No. 69 Lumber Car, 6½ inches long



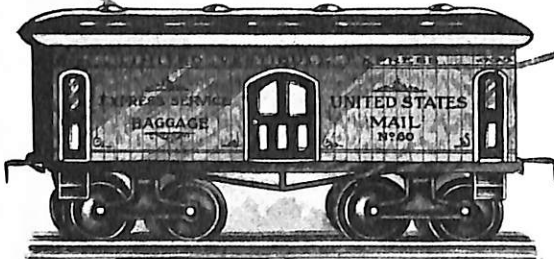
No. 63 Gravel Car, 6½ inches long.



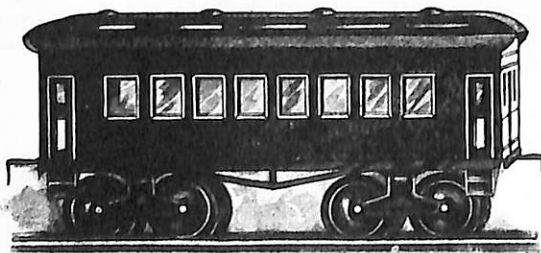
No. 11 Tender

No. 17 Locomotive,
speed-governed,

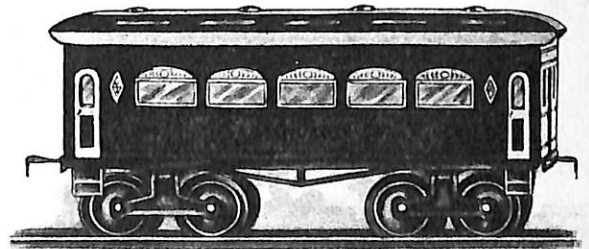
7½ inches long,
with brake.



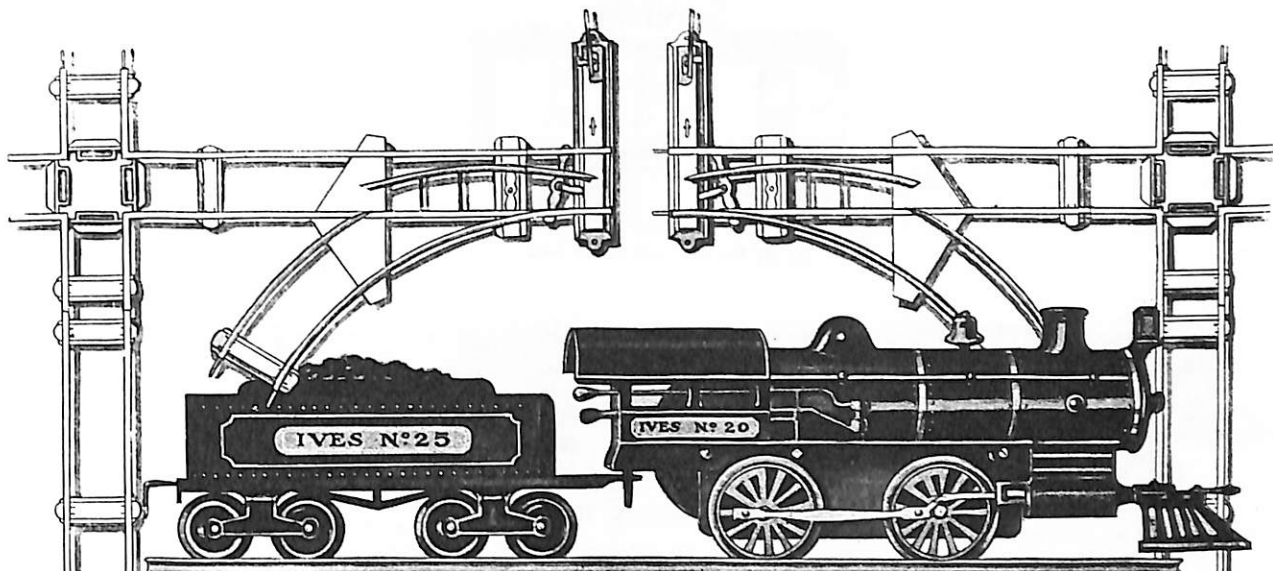
No. 60 Baggage Car, 6¾ inches long.



No. 61 Passenger Car, 6¾ inches long.



No. 62 Drawing Room Car, 6¾ inches long.



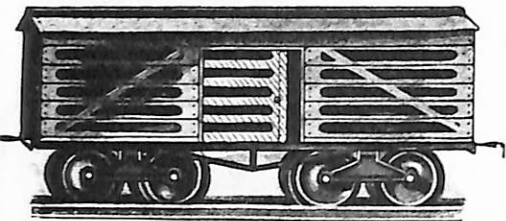
Locomotive No. 20. Reverses, Brake, Speed-Governed. 8 inches long.

MECHANICAL TRAIN SETS, No. 60 SERIES

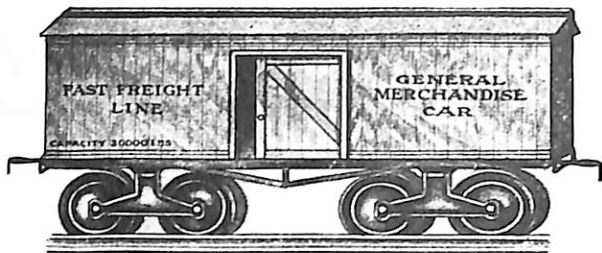
For No. 0 Gauge Track

- No. 8 Freight Train.—Locomotive No. 17, Tender, Lumber Car No. 69, Caboose No. 67, Tracks 6 No. A, 3 No. D, 1 No. DA.
- No. 9 Freight Train.—Locomotive No. 17, Tender, two Gravel Cars No. 64, Caboose No. 67, Tracks 6 No. A, 5 No. D, 1 No. DA.
- No. 10 Freight Train.—Locomotive No. 17, Tender, Refrigerator Car No. 68, Stock Car No. 65, Merchandise Car No. 64, Caboose No. 67, Tracks 6 No. A, 7 No. D, 1 No. DA.
- No. 11 Passenger Train.—Locomotive No. 17, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Tracks 6 No. A, 3 No. D, 1 No. DA, making Figures Nos. 1 and 2.
- No. 12 Passenger Train.—Locomotive No. 17, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Drawing Room Car No. 62, Tracks 6 No. A, 5 No. D, 1 No. DA, making Figures Nos. 1, 2 and 3.
- No. 13 Passenger Train.—Locomotive No. 17, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Drawing Room Car No. 62, Tracks 10 No. A, 3 No. D, 1 No. DA and 1 K, making Figures Nos. 1, 2, 9 and 13.
- No. 14 Passenger Train.—Locomotive No. 17, Tender, Baggage Car No. 60, Vestibule Car No. 61, Drawing Room Car No. 62, Tracks 8 No. A, 3 No. D, 1 No. DA, and 1 Pair No. W (Switches) making Figures Nos. 1, 2 and 10.
- No. 15 Passenger Train.—Locomotive No. 17, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Vestibule Drawing Room Car No. 62, Tracks 11 No. A, one No. 107 Signal, 9 No. D, 1 No. AA, 1 No. K, making Figures Nos. 2, 3, 6, 9 and 13.
- No. 16 Passenger Train.—Locomotive No. 20, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Vestibule Drawing Room Car No. 62, Tracks 17 No. A, 1 No. AA, 7 No. D, 1 No. DA, and 1 No. K, making Figures Nos. 1, 2, 3, 4, 5, 6, 7, 9, 11, 12, and 13.
- No. 17 Passenger Train.—Locomotive No. 20, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Vestibule Drawing Room Car No. 62, Tracks 9 No. A, 1 No. AA, 6 No. D, 1 No. DA and 1 pr. No. HW (Switches) making Figures Nos. 1, 2, 3, 10, 21 and 23.

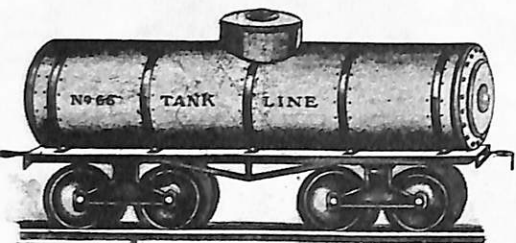




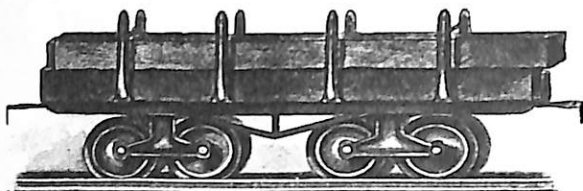
No. 65 Stock Car, 6½ inches long.



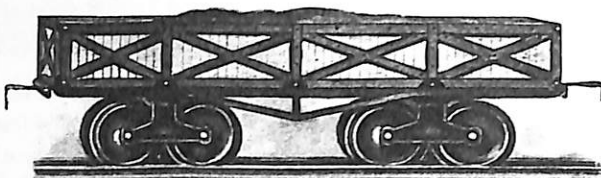
No. 64 Merchandise Car, 6½ inches long.



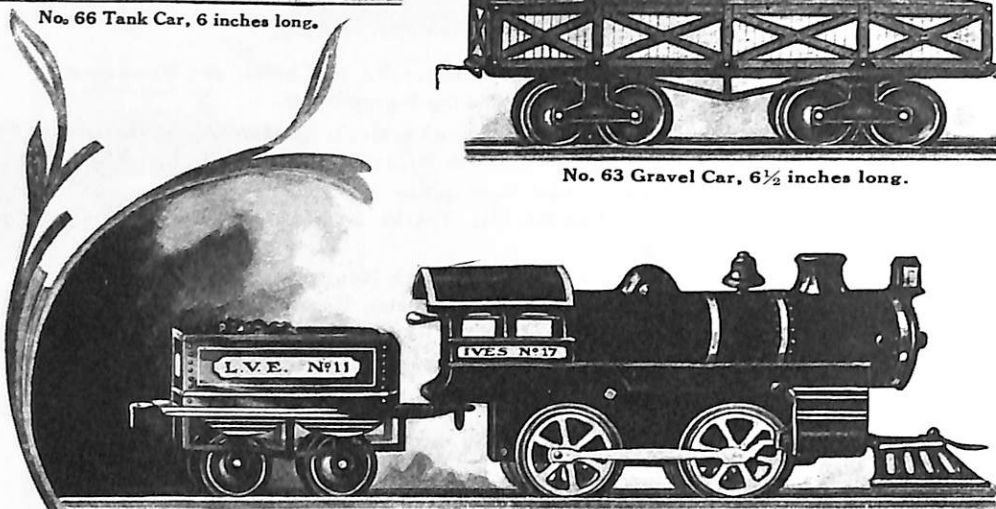
No. 66 Tank Car, 6 inches long.



No. 69 Lumber Car, 6½ inches long



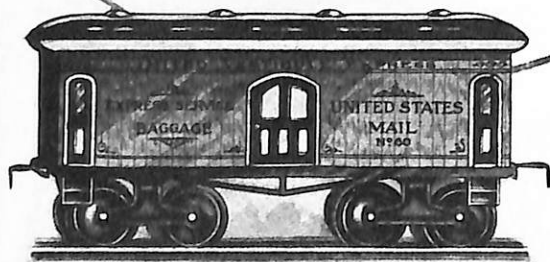
No. 63 Gravel Car, 6½ inches long.



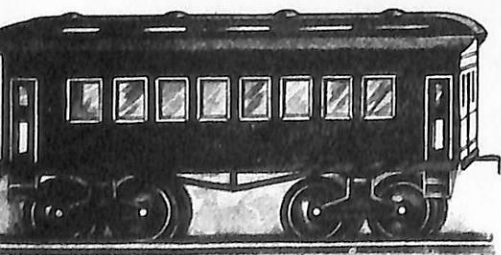
No. 11 Tender

No. 17 Locomotive,
speed-governed,

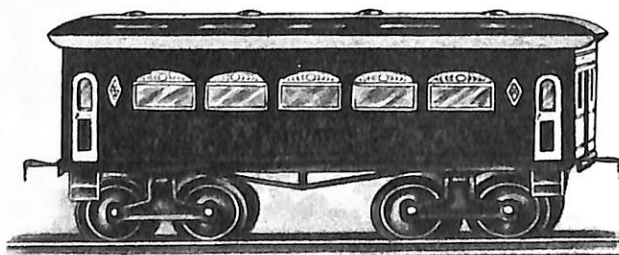
7½ inches long,
with brake.



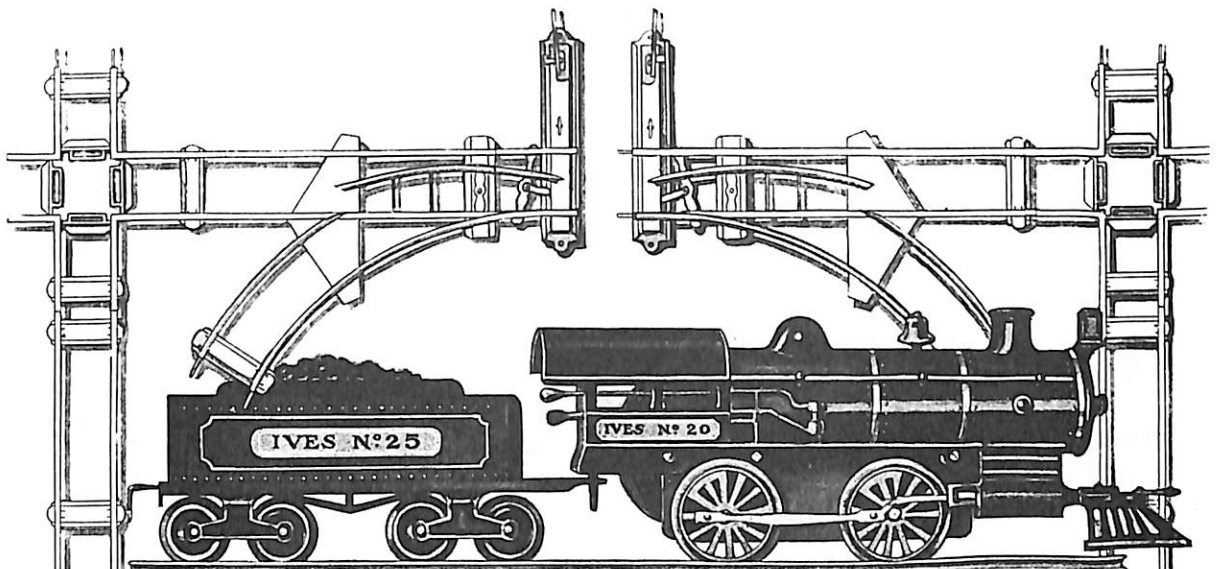
No. 60 Baggage Car, 6¾ inches long.



No. 61 Passenger Car, 6¾ inches long.



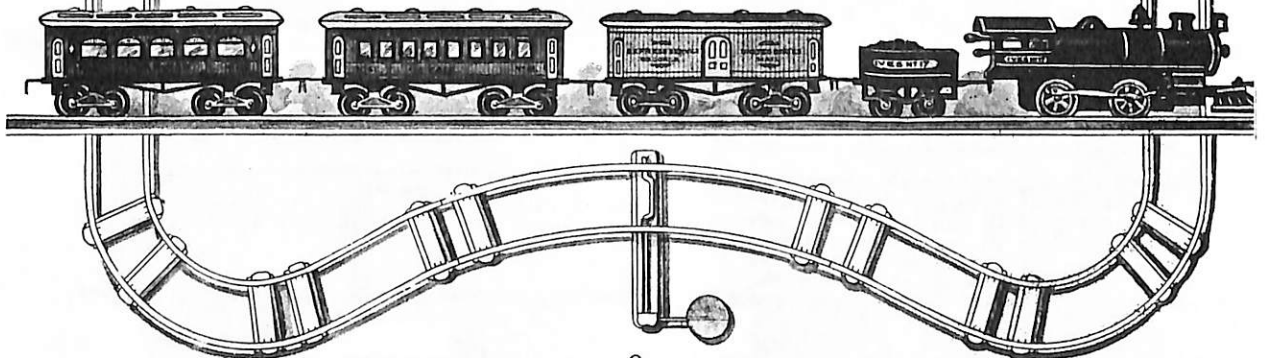
No. 62 Drawing Room Car, 6¾ inches long.

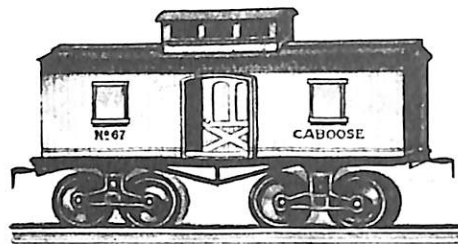


Locomotive No. 20. Reverses, Brake, Speed-Governed. 8 inches long.

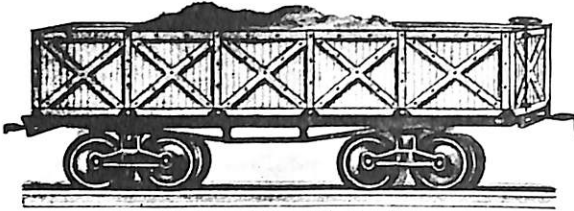
MECHANICAL TRAIN SETS, No. 60 SERIES For No. 0 Gauge Track

- No. 8 Freight Train.—Locomotive No. 17, Tender, Lumber Car No. 69, Caboose No. 67, Tracks 6 No. A, 3 No. D, 1 No. DA.
- No. 9 Freight Train.—Locomotive No. 17, Tender, two Gravel Cars No. 64, Caboose No. 67, Tracks 6 No. A, 5 No. D, 1 No. DA.
- No. 10 Freight Train.—Locomotive No. 17, Tender, Refrigerator Car No. 68, Stock Car No. 65, Merchandise Car No. 64, Caboose No. 67, Tracks 6 No. A, 7 No. D, 1 No. DA.
- No. 11 Passenger Train.—Locomotive No. 17, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Tracks 6 No. A, 3 No. D, 1 No. DA, making Figures Nos. 1 and 2.
- No. 12 Passenger Train.—Locomotive No. 17, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Drawing Room Car No. 62, Tracks 6 No. A, 5 No. D, 1 No. DA, making Figures Nos. 1, 2 and 3.
- No. 13 Passenger Train.—Locomotive No. 17, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Drawing Room Car No. 62, Tracks 10 No. A, 3 No. D, 1 No. DA and 1 K, making Figures Nos. 1, 2, 9 and 13.
- No. 14 Passenger Train.—Locomotive No. 17, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Drawing Room Car No. 62, Tracks 8 No. A, 3 No. D, 1 No. DA, and 1 Pair No. W (Switches) making Figures Nos. 1, 2 and 10.
- No. 15 Passenger Train.—Locomotive No. 17, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Vestibule Drawing Room Car No. 62, Tracks 11 No. A, one No. 107 Signal, 9 No. D, 1 No. AA, 1 No. K, making Figures Nos. 2, 3, 6, 9 and 13.
- No. 16 Passenger Train.—Locomotive No. 20, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Vestibule Drawing Room Car No. 62, Tracks 17 No. A, 1 No. AA, 7 No. D, 1 No. DA, and 1 No. K, making Figures Nos. 1, 2, 3, 4, 5, 6, 7, 9, 11, 12, and 13.
- No. 17 Passenger Train.—Locomotive No. 20, Tender, Baggage Car No. 60, Vestibule Passenger Car No. 61, Vestibule Drawing Room Car No. 62, Tracks 9 No. A, 1 No. AA, 6 No. D, 1 No. DA and 1 pr. No. HW (Switches) making Figures Nos. 1, 2, 3, 10, 21 and 23.

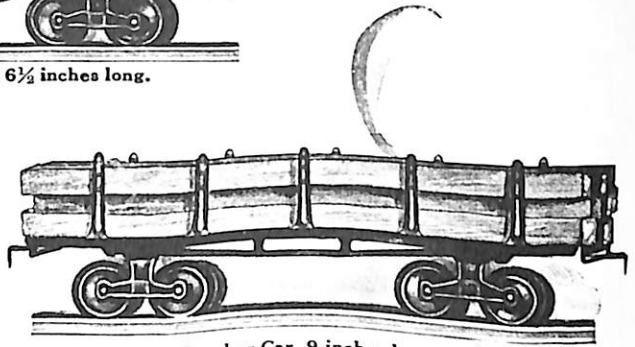




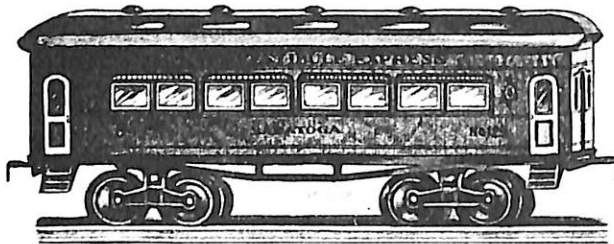
No. 67 Caboose, 6½ inches long.



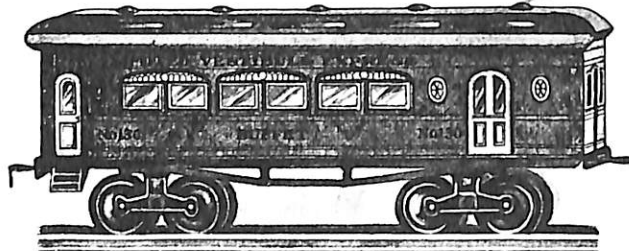
No. 128 Gravel Car, 9 inches long.



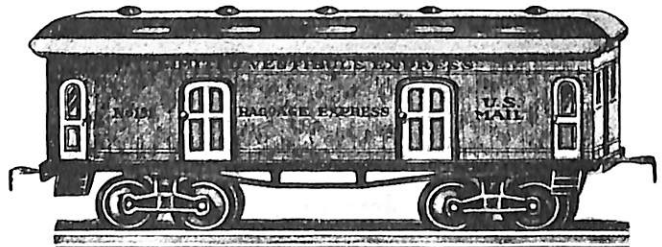
No. 123 Lumber Car, 9 inches long.



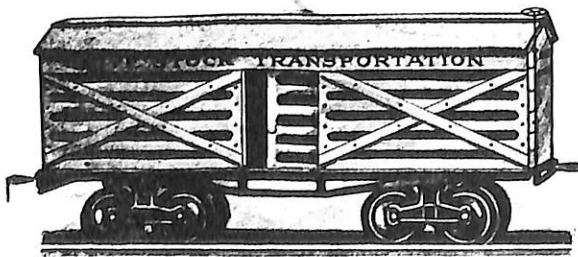
No. 129 Drawing Room Car, 9¼ inches long
Imitation Glass Windows.



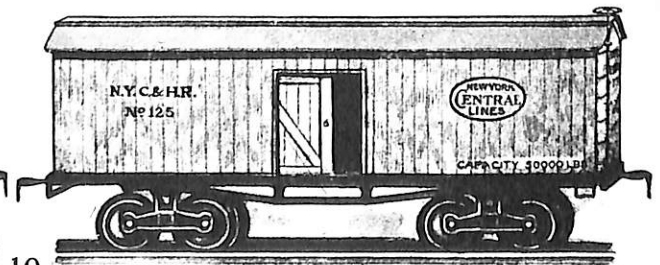
No. 130 Combination Car, 9¼ inches long,
Imitation Glass Windows.



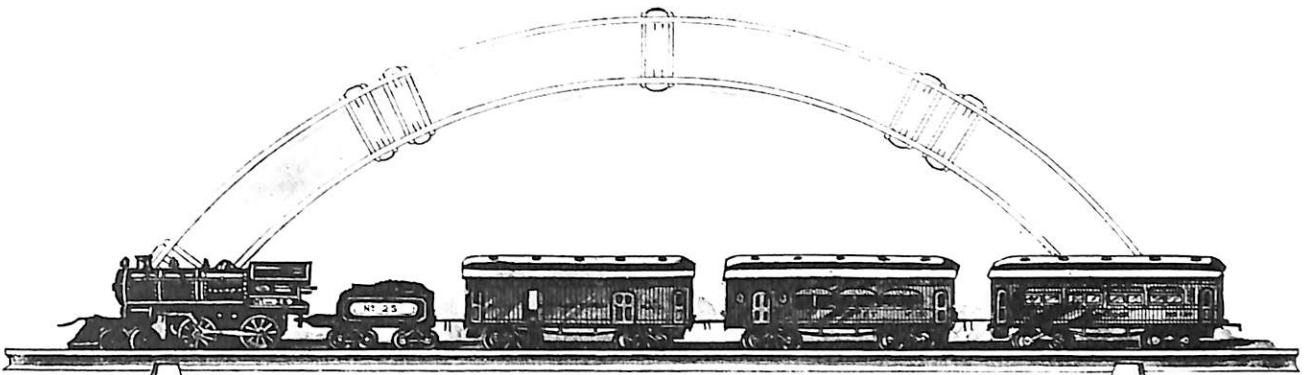
No. 131 Baggage Car, 9¼ inches long.



No. 127 Stock Car, 9 inches long,



No. 125 Merchandise Car, 9 inches long,



MECHANICAL TRAIN SETS, No. 130 SERIES

For No. 0 Gauge Track

No. 19R Freight Train.—Locomotive No. 25, Tender, two Gravel Cars No. 128, Caboose No. 67, Tracks 6 No. A, 5 No. D, 1 No. DA, making Figures Nos. 1, 2 and 3.

No. 20R Passenger Train.—Locomotive No. 25, Tender, Combination Car No. 130 with Tracks 6 No. A, 5 No. D, and 1 No. DA, making Figures Nos. 1, 2 and 3.

No. 21R Passenger Train.—Locomotive No. 25, Tender, Combination Car No. 130, Drawing Room Car No. 129, Tracks 6 No. A, 7 No. D, and 1 No. DA, making Figures Nos. 1, 2 and 3.

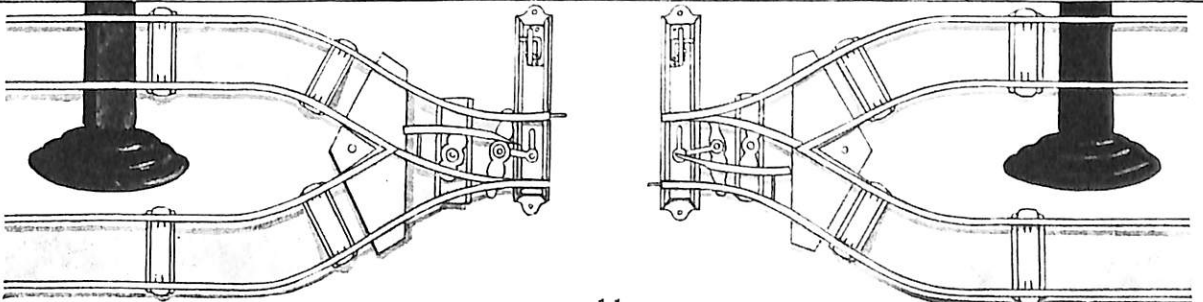
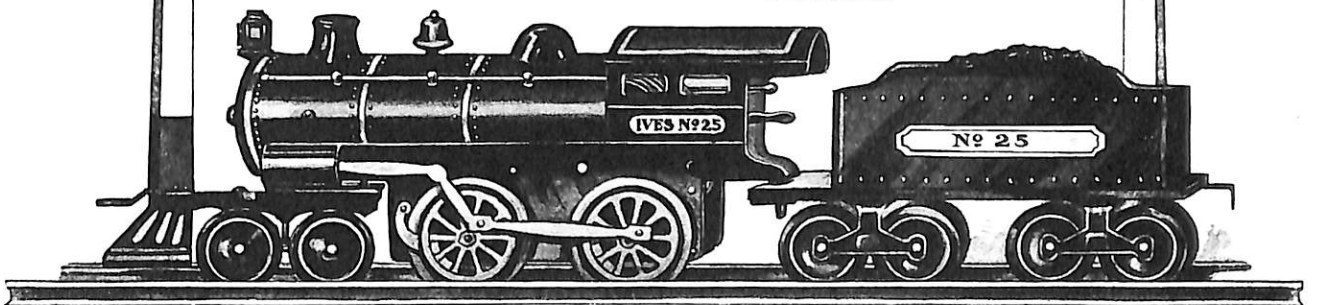
No. 22R Passenger Train.—Locomotive No. 25, Tender, Combination Car No. 130, Drawing Room Car No. 129, Tracks 9 No. A, 7 No. D, 1 No. DA, and 1 No. K, making Figures Nos. 2, 9 and 13.

No. 23R Passenger Train.—Locomotive No. 25, Tender, Baggage Car No. 131, Drawing Room Car No. 129, Tracks 9 No. A, 1 No. AA, 6 No. D, 1 No. DA and 1 pr. HW Switches, making Figures Nos. 1, 2, 3, 10, 21 and 23.

No. 24R Passenger Train.—Locomotive No. 25, Tender, Baggage Car No. 131, Combination Car No. 130, Drawing Room Car No. 129, Tracks 21 No. A, 1 No. AA, 13 No. D, 1 No. DA, 2 No. K and 1 pr. HW Switches, making Figures Nos. 1 to 15 inclusive, Nos. 18, 20, 21, 23 and 25.

No. 30R Freight Train.—Locomotive No. 25, Tender, one Lumber Car No. 123, one Merchandise Car No. 125, one Caboose No. 67, Tracks 17 No. A, 1 No. AA, 7 No. D, 1 No. DA and 1 No. K, making Figures Nos. 1, 2, 3, 4, 5, 6, 7, 9, 11, 12 and 13.

No. 25 Locomotive. Reverses, Brake, Speed-Governed.
9 inches long.



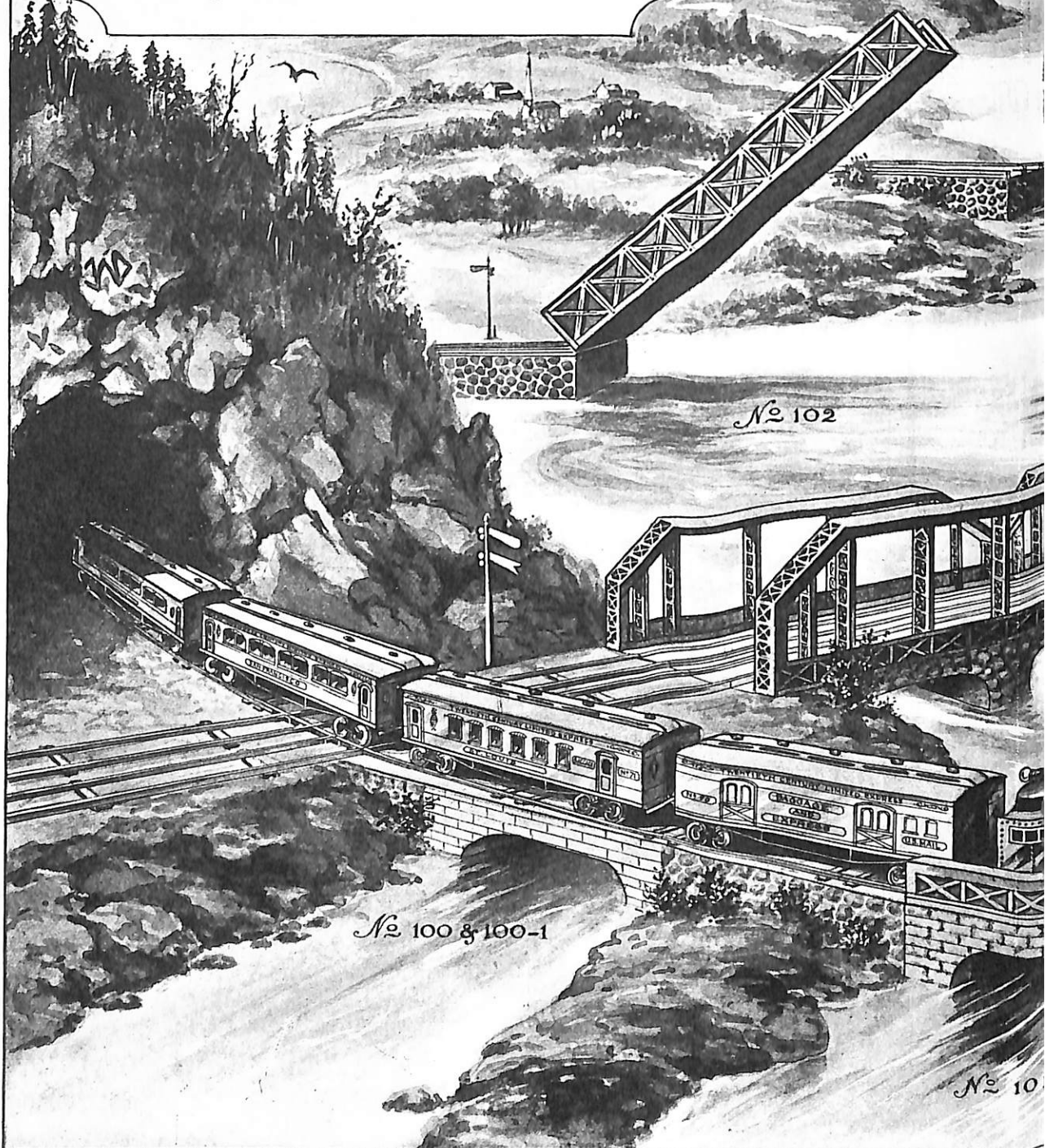
No. 98—Single Trestle Work Bridge (3 sections), 31 inches long, for No. 0 Gauge Track.

No. 99-1—Double Trestle Work Bridge (4 sections), 56 inches long, for No. 1 Gauge Track

No. 98-1—Single Trestle Work Bridge (3 sections), 42 inches long, for No. 1 Gauge Track.

No. 102—Roller Lift Bridge, 31 inches long. Drops into position as Train approaches, for No. 0 Gauge Track.

No. 97—Swing Draw Bridge (3 sections), 31 inches long, for No. 0 Gauge Track.



No. 100—Bridge (2 sections), 21 inches long, for No. 0 Gauge Track.

No. 100-1—Bridge (2 sections), 28 inches long, for No. 1 Gauge Track.

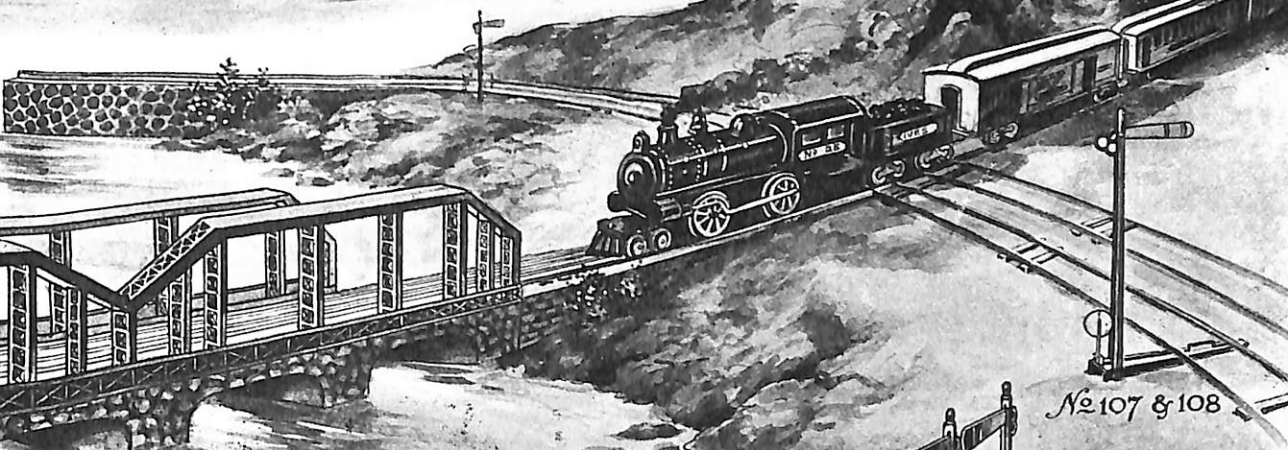
No. 101—Bridge (3 sections), 31 inches long, for No. 0 Gauge Track.

No. 101-1—Bridge (3 sections), 42 inches long, for No. 1 Gauge Track.

No. 99—Double Trestle Work Bridge (4 sections), 41 inches long, for No. 0 Gauge Track.

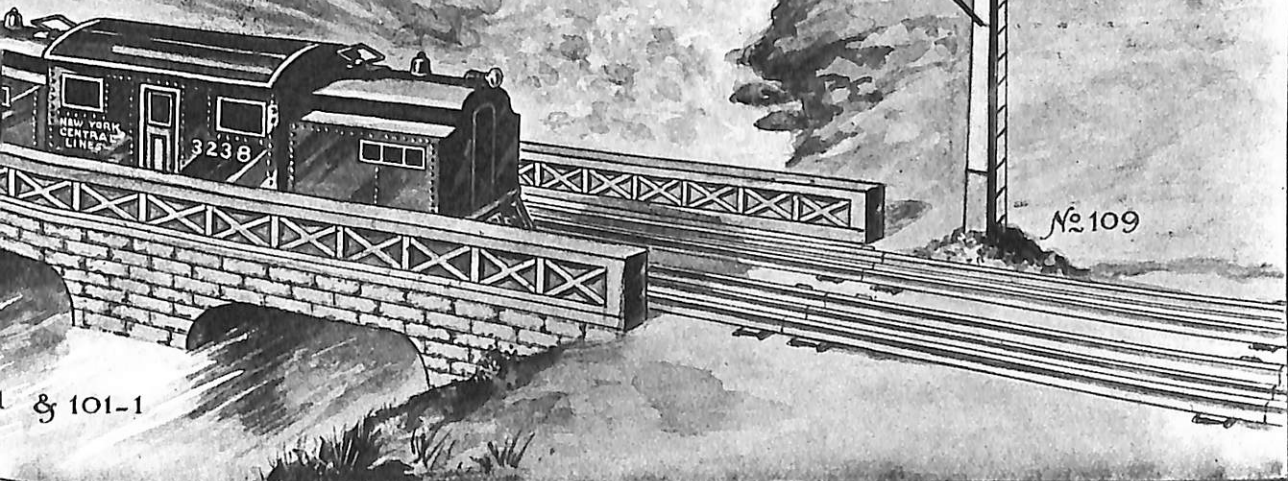


No 97



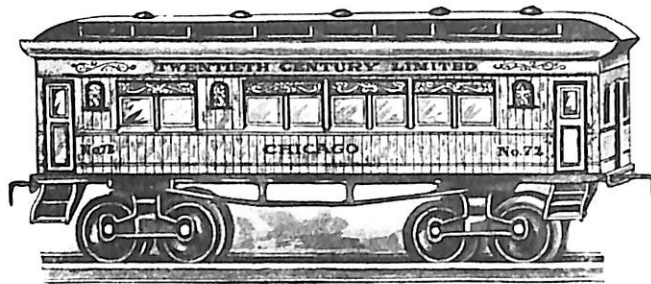
No 99 & 99-1

No 107 & 108



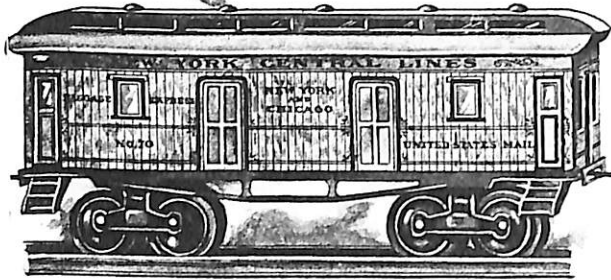
No 109

& 101-1

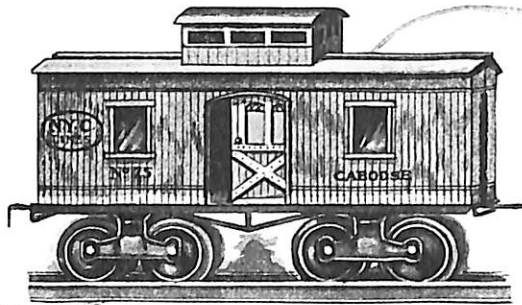
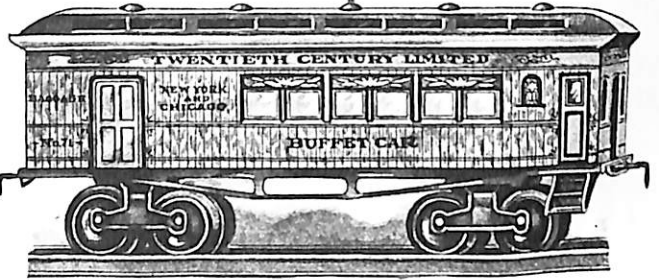


No. 72 Drawing Room Car, 12 inches long.
Imitation glass windows.

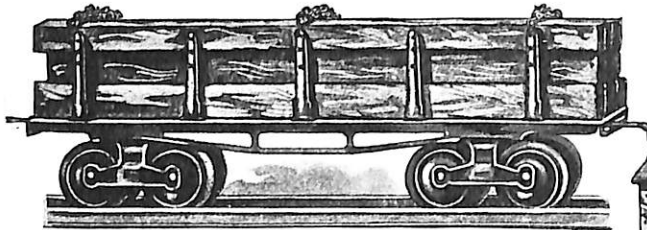
No. 71 Combination Car,
12 inches long.
Imitation glass windows.



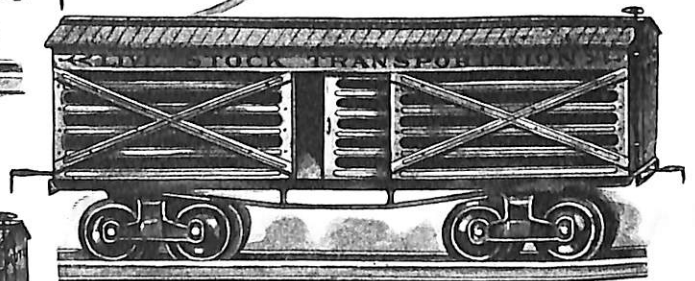
No. 70 Baggage Car, 12 inches long.
Imitation glass windows.



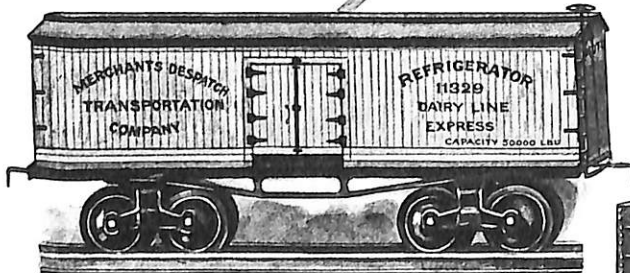
No. 75 Caboose, 11½ inches long.



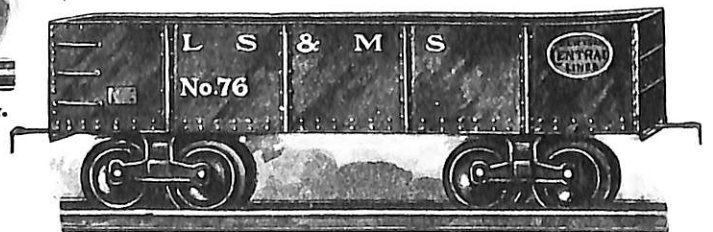
No. 77 Lumber Car, 11½ inches long.



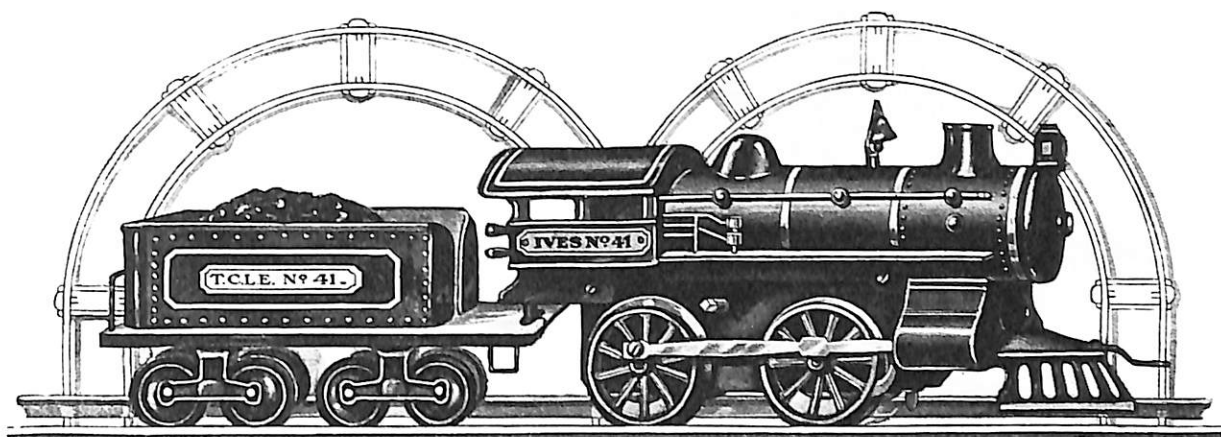
No. 74 Stock Car, 11½ inches long.



No. 73 Refrigerator Car, 11½ inches long.



No. 76 Coal Car, 11½ inches long.



No. 40 Tender, 7 1/2 inches long.

No. 41 Locomotive, 10 inches long.
Brake, Reverses. Speed-Governed.

MECHANICAL No. 70 Series

No. 42 Passenger Train.—Locomotive No. 40, Tender No. 40, Combination Car No. 71, Tracks (No. 1 gauge) 8 No. 1A, 5 No. 1D, 1 No. 1DA.

No. 43 Passenger Train.—Locomotive No. 40, Tender No. 40, Combination Car No. 71, Drawing Room Car No. 72, Tracks (No. 1 gauge) 14 No. 1A, 7 No. 1D, 1 No. 1DA, 1 No. 1K.

No. 44 Passenger Train.—Locomotive No. 40, Tender No. 40, Baggage Car No. 70, Combination Car No. 71, Drawing Room Car No. 72, Tracks (No. 1 gauge) 9 No. 1A, 7 No. 1D, 1 No. 1 1/2 D, 1 No. 1DA, 1 No. 1AA, 1 pr. No. 1W Switches.

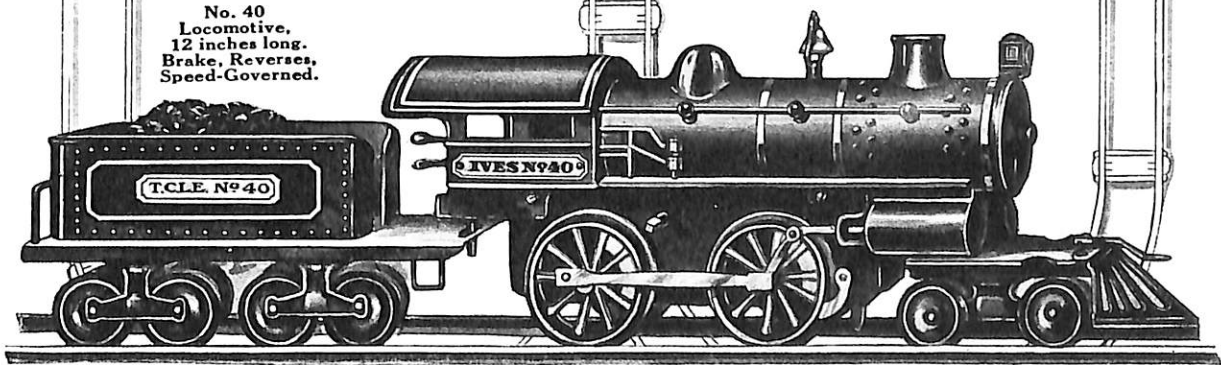
TRAIN SETS For No. 1 Gauge Track

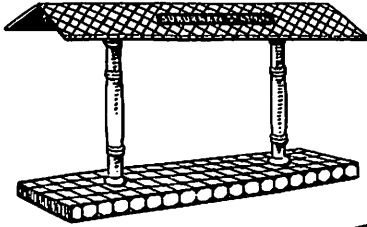
No. 45 Freight Train.—Locomotive No. 41, Tender No. 40, Lumber Car No. 77, Caboose No. 75, Tracks 8 No. 1A, 5 No. 1D, 1 No. 1DA.

No. 46 Freight Train.—Locomotive No. 41, Tender No. 40, two Gravel Cars No. 76, Caboose No. 75, Tracks 14 No. 1A, 7 No. 1D, 1 No. 1DA, 1 No. 1K.

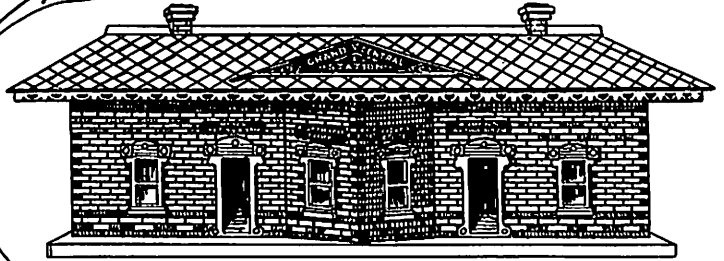
No. 47 Freight Train.—Locomotive No. 41, Tender No. 40, Stock Car No. 74, Refrigerator Car No. 73, Lumber Car No. 77, Caboose No. 75, Tracks (No. 1 gauge) 9 No. 1A, 7 No. 1D, 1 No. 1 1/2 D, 1 No. 1DA, 1 pr. No. 1W Switches.

No. 40
Locomotive,
12 inches long.
Brake, Reverses,
Speed-Governed.

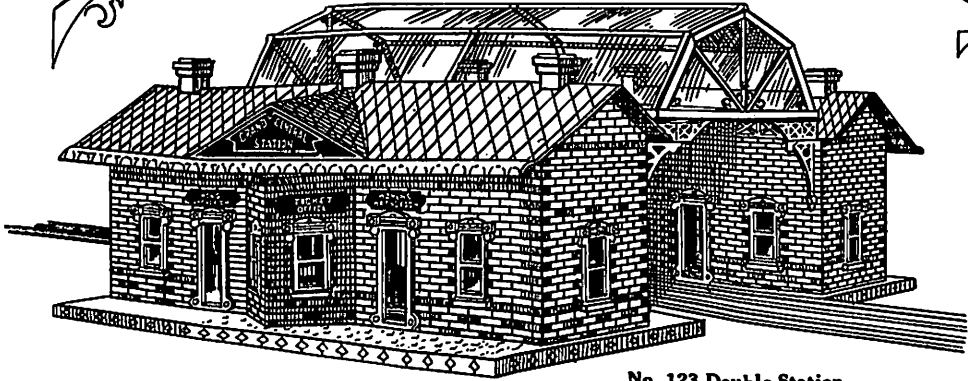




No. 119 Station,
11½ x 3½ inches.



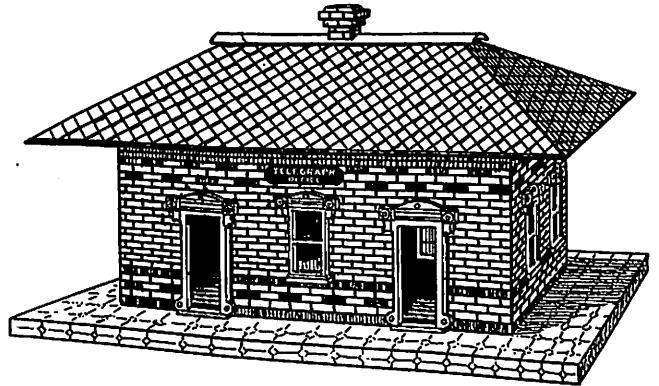
No. 116 Station, 18½ x 8 inches.



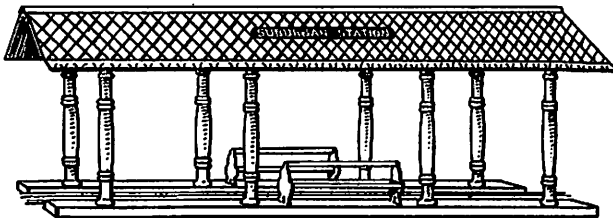
No. 123 Double Station
Glass Dome
18½ x 22½ inches.

STATIONS

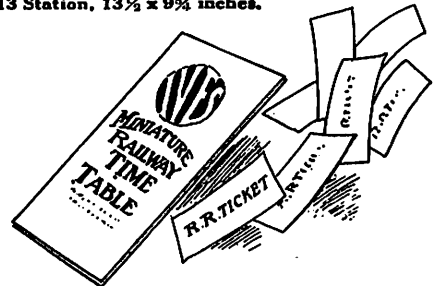
These Stations are particularly well made, and are very elaborate. A wide variety of colors adds to their attractiveness.

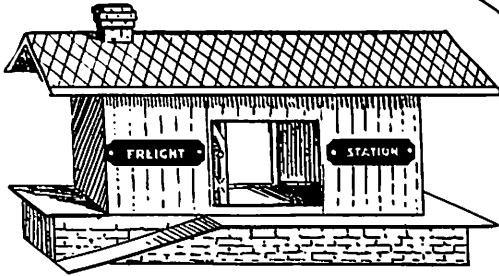


No. 113 Station, 13½ x 9¾ inches.

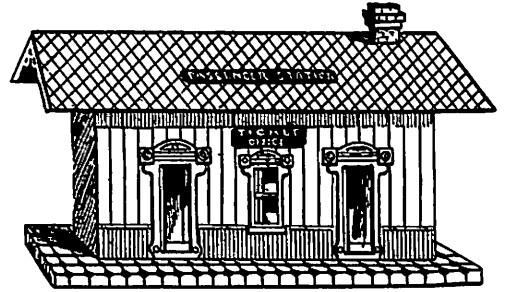


No. 117 Station, 19 x 7½ inches.

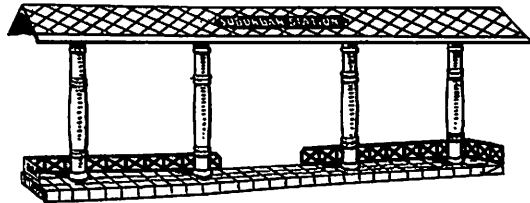




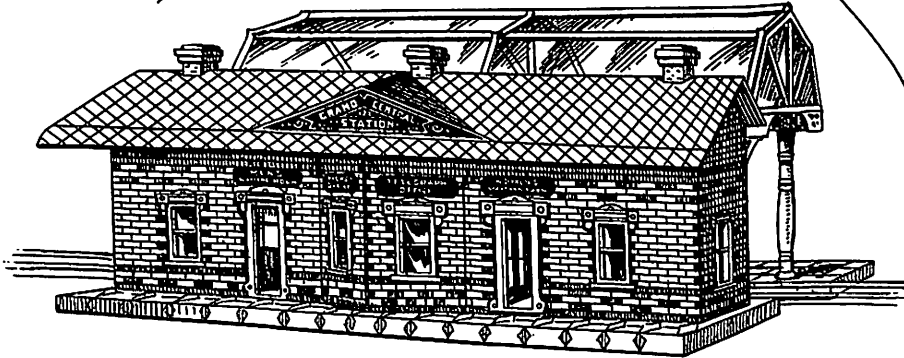
No. 115 Station, 10 x 5½ inches.



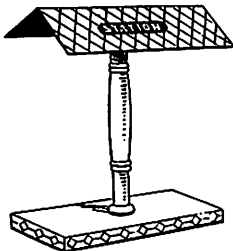
No. 114 Station, 13½ x 6 inches.



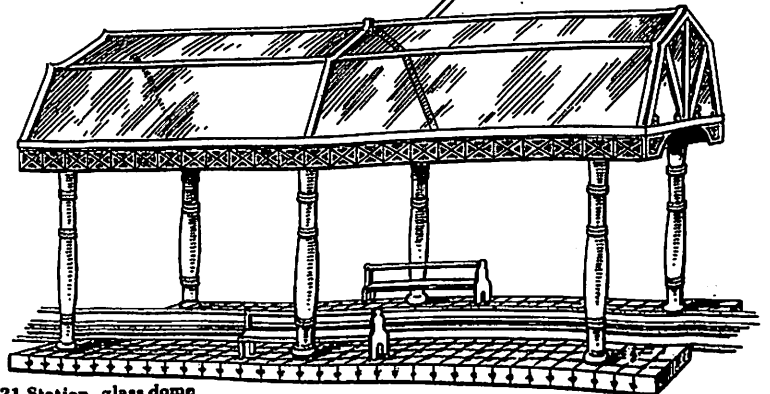
No. 120 Station, 18¼ x 4 inches.



No. 122 Station, glass dome
18 x 16½ inches.



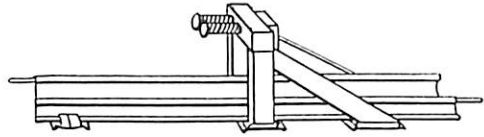
No. 118, 6 x 4 inches.



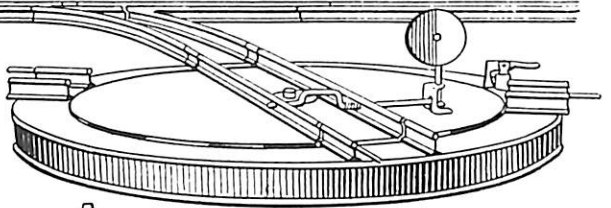
No. 121 Station, glass dome
18½ x 9½ inches.



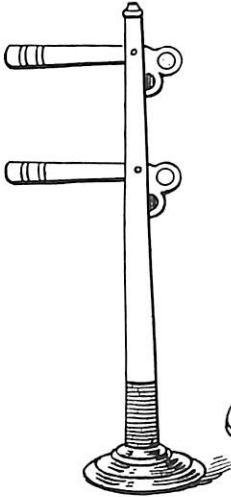
No. 103 Tunnel, 6½ inches long.
 No. 104 " 8½ " "
 No. 105 " 11 " "
 No. 106 " 14 " "
 No. 106Σ " 16 " "



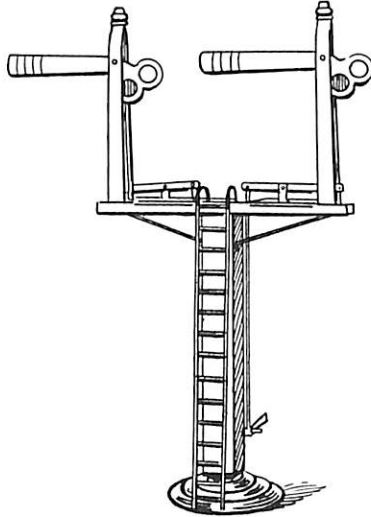
No. 110 Bumper for 0 gauge track.
 No. 110-1 " " 1 " "



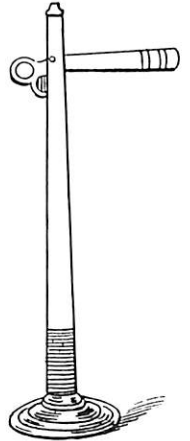
No. 145 Turn Table.
 No. 146 " " mechanical.
 For 0 Gauge Track.



No. 107D Signal



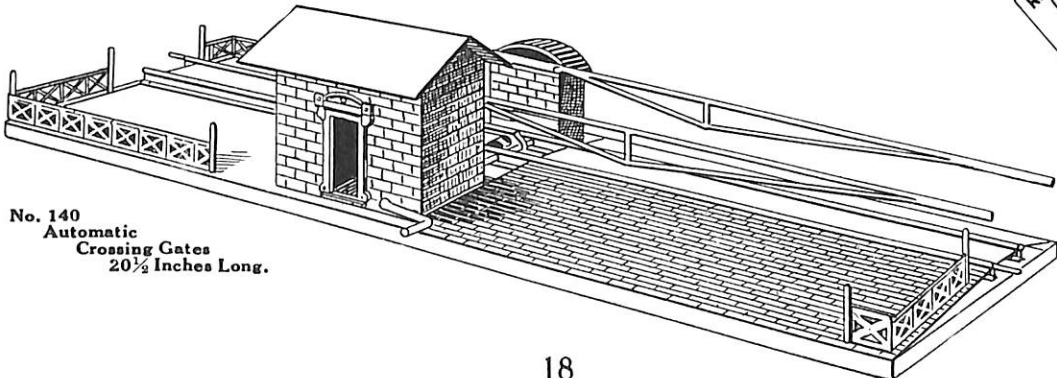
No. 109 Signal.



No. 107S Signal.

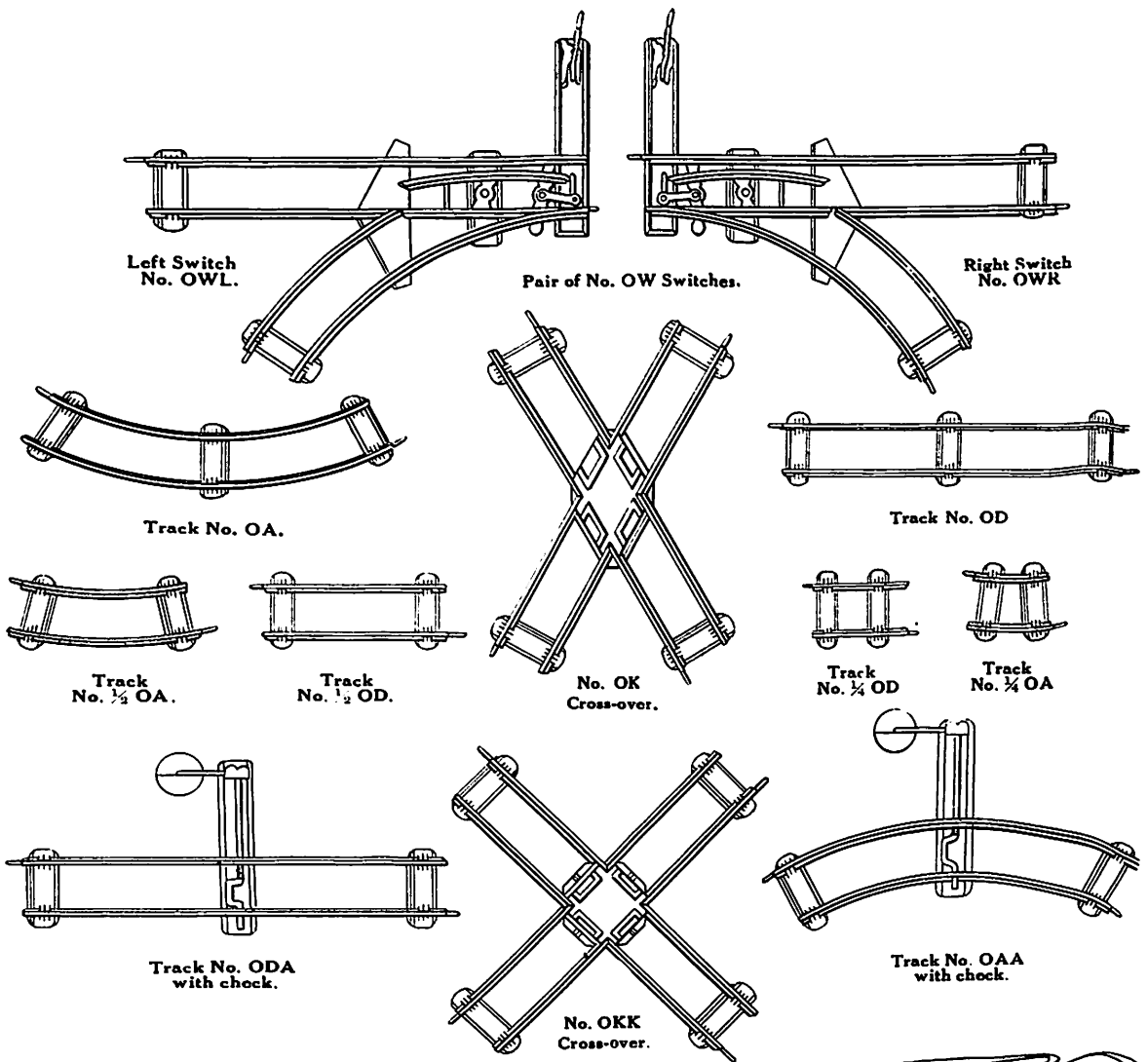
ACCESSORIES

The items shown on this page go to make up the Complete Railway System and recommend themselves. They are finished in bright handsome colors and are accurately and strongly made.

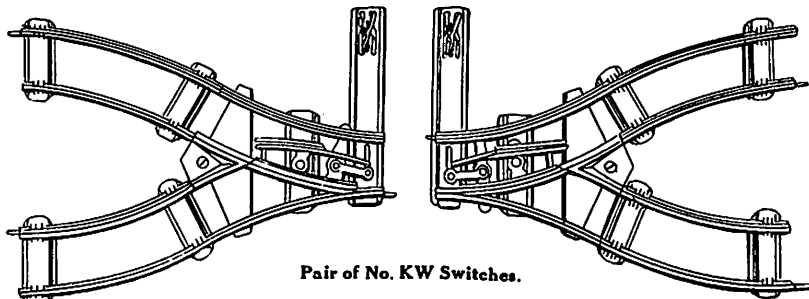


No. 140 Automatic Crossing Gates 20½ Inches Long.





Put the track together by inserting the prongs on one section into the round ends of another and so on until the diagram is complete, securing each with the track plates provided, by engaging the flanged edges of the abutting sleepers in the hollow edges of the track plates and forcing them on from the outside, or high rail, of the track. Plates are furnished with Trains from No. 11 up. Be careful not to pinch the sections of track when putting them together, as it will narrow the gauge and cause the wheels to bind. Place the track on as level a surface as possible, as a severe down or up grade will cause the Train to run irregularly. If the train begins to run slowly or seems to drag, clean the tracks with a cloth dampened with kerosene and then wipe perfectly dry. This is important. We have simplified the Trackage this year by placing the pins, or prongs, in alternate ends of the Track sections, which permits of all designs being made with the A and D sections, together with 1/4 sections and 1/2 sections.



In ordering No. 1 Gauge Trackage, Switches, etc., substitute No. 1 for No. 0. The numbers otherwise being alike for the sizes.

FIRE BRIGADE TOYS

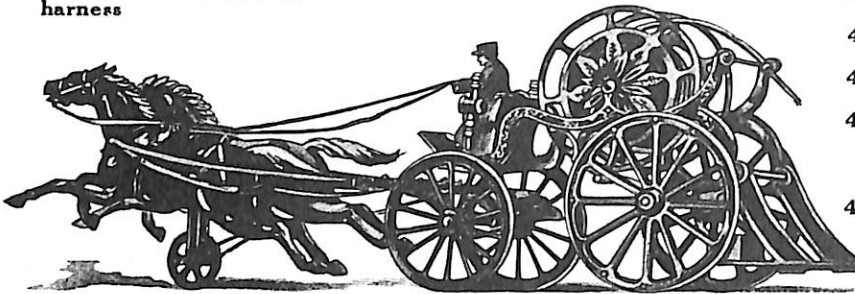
All equipped with drivers, detachable running horses, leather reins and traces

FIRE PATROLS

- 408-2 21 in. long, horses unharness
- 408-3 Same as above, with extra finish, rubber tire wheels throughout
- 408 19 in. long, single horse, does not unharness

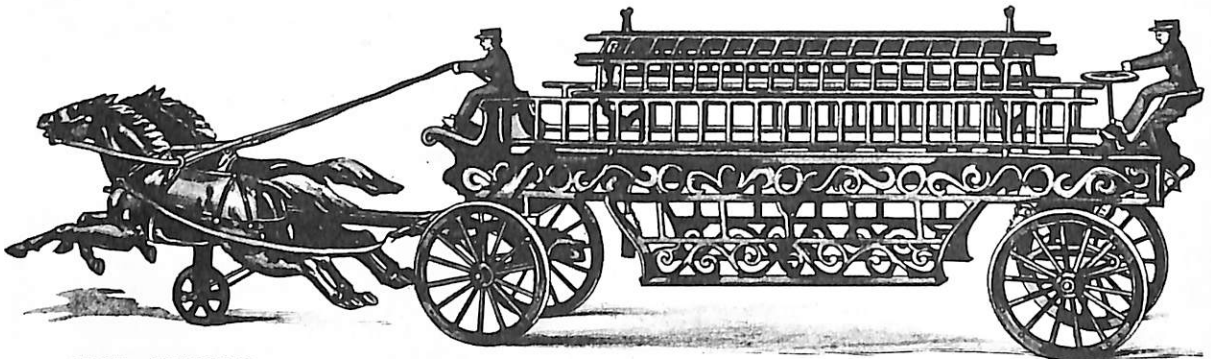
CHIEF'S WAGON

- 408-0 16 in. long, fine finish, horse does not unharness



HOSE CARRIAGES

- 403-0 12 in. long, horse does not unharness
- 403 17 in. long, single horse, does not unharness
- 403-7 19 in. long, horses unharness
- 403-3 Same as 403-7 with extra finish on horses and carriage, and rubber tire wheels throughout
- 403-10 26 in. long, beautifully finished, rubber tire wheels throughout, horses unharness



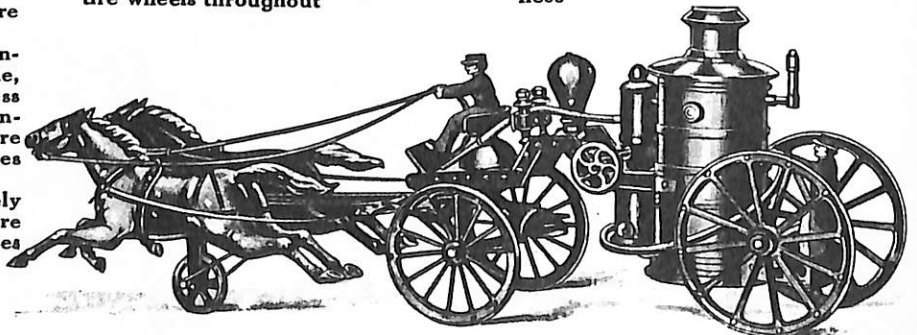
FIRE ENGINES

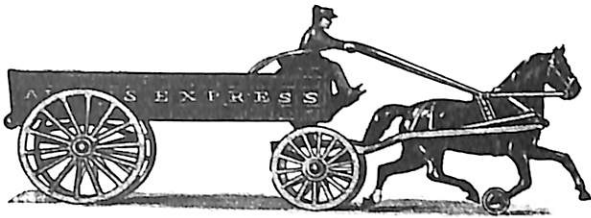
- 406-0 16 in. long, horses unharness
- 406-7 23 in. long, horses unharness
- 406 23 in. long, with extra fine finish on horses and engine, horses unharness
- 406-3 23 in. long, same as No. 406, with rubber tire wheels throughout
- 406-4 24 in. long, three running horses, extra fine, horses do not unharness
- 406-5 24 in. long, three running horses, rubber tire wheels throughout, horses do not unharness
- 406-10 27 in. long, finely finished, has rubber tire wheels throughout, horses unharness

HOOK & LADDERS

- 405-0 22 in. long, horses unharness
- 405-7 30 in. long, horses unharness
- 405 30 in. long, superior finish on horses and truck, horses unharness
- 405-3 Same as above with rubber tire wheels throughout

- 405-4 31 in. long, three running horses, extra fine, horses do not unharness
- 405-5 31 in. long, three running horses, rubber tire wheels throughout, horses do not unharness
- 405-10 35 in. long, unusually large and finely finished, rubber tire wheels throughout, horses unharness

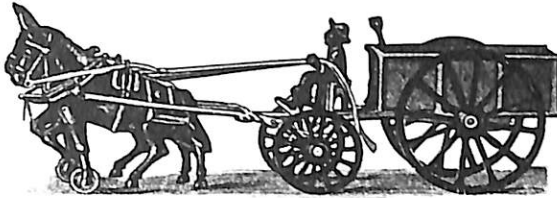




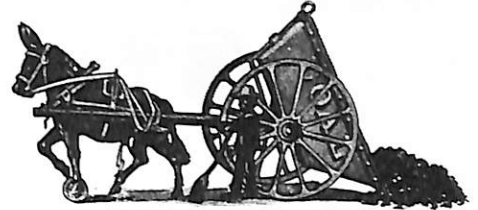
No. 404 Adams Express.



No. 402-2 Coal Cart.



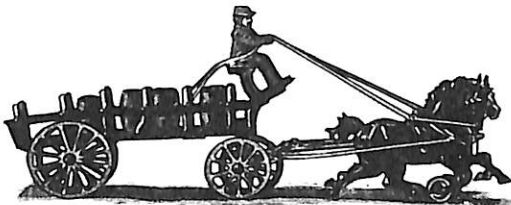
No. 402-5 Dump Cart.



No. 402-2 Coal Cart.

MISCELLANEOUS IRON TOYS

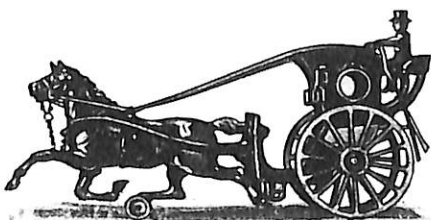
- No. 402—Single Truck, 17 inches long. Horse does not unharness.
 No. 402-10—Double Truck, 16 inches long. Horses can be unharnessed.
 No. 402-3—Coal Cart, with Coal and Shovel, 11 inches long. Mule can be unharnessed.
 No. 402-2—Coal Cart, with Coal and Shovel, 13½ inches long. Mule can be unharnessed.
 No. 402-5—Dump Cart, with two Mules that unharness, Coal and Shovel, 17¾ inches long.
 No. 404—Adams Express Wagon, horse does not unharness, 21 inches long.
 No. 404-2—Adams Express Wagon, two horses that unharness, 21 inches long.
 No. 165—Hansom Cab, Horse does not unharness, 11 inches long.
 No. 165-0—Hansom Cab, Horse can be unharnessed, 14 inches long.
 No. 165-1—Hansom Cab, same as above with extra finish and rubber tire wheels.
 No. 411-00—Ice Wagon, Horse does not unharness, 12 inches long.
 No. 411-0—Ice Wagon, Two Horses that unharness, 14 inches long.
 No. 411—Ice Wagon, Two Horses that unharness, 18½ inches long.
 No. 399-4—Mule and Cart, Mule can be unharnessed, 10½ inches long.



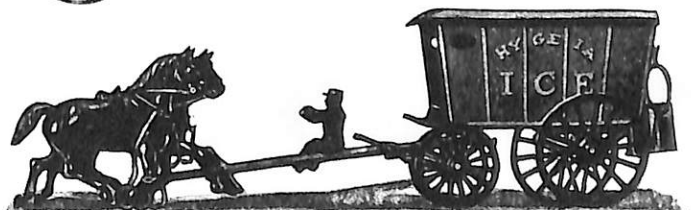
No. 402-10 Double Truck.



No. 411 Ice Wagon.



No. 165-0 Hansom Cab.



No. 411 Ice Wagon.



No. 303 Passenger Train, 25½ inches long.



No. 304 Freight Train 25½ inches long.

No. 301 Locomotive, Tender, Gravel Car and Caboose.

No. 304 Locomotive, Tender, Gravel, Stock and Merchandise Cars.

No. 302 Locomotive, Tender, Baggage and Passenger Cars.

No. 305 Locomotive, Tender, 1 Baggage, 2 Passenger and 1 Drawing Room Cars.

No. 303 Locomotive, Tender, Baggage, Passenger and Drawing Room Cars.

No. 306 Locomotive, Tender, 2 Gravel Cars, 1 Stock and 1 Merchandise Car.

IRON AND STEEL FLOOR TRAINS

No. 312 Locomotive, Tender, Baggage and Passenger Cars.

No. 315 Locomotive, Tender, Gravel Car, Merchandise Car and Caboose.

No. 313 Locomotive, Tender, 2 Gravel Cars and 1 Caboose.

No. 316 Locomotive, Tender, 2 Passenger, 1 Baggage and 1 Drawing Room Cars.

No. 314 Locomotive, Tender, Baggage, Passenger and Drawing Room Cars.

No. 317 Locomotive, Tender, Gravel, Merchandise, Tank and Stock Cars and Caboose.



No. 316 Passenger Train,
38 inches long.



No. 317 Freight Train,
44½ inches long.



No. 323 Passenger Train.
40 inches long.



No. 324 Freight Train.
47 inches long.

No. 321 Locomotive, Tender, Gravel Car and Caboose.

No. 322 Locomotive, Tender, Baggage and Drawing Room Cars.

No. 323 Locomotive, Tender, Baggage, Combination and Drawing Room Cars.

No. 324 Locomotive, Tender, Gravel, Stock, Merchandise Cars and Caboose.

No. 325 Locomotive, Tender, Baggage, 2 Combination and 1 Drawing Room Cars.

IRON AND STEEL FLOOR TRAINS

No. 331 Locomotive, Tender, Gravel Car and Caboose.

No. 332 Locomotive, Tender, Combination and Drawing Room Cars.

No. 333 Locomotive, Tender, Gravel and Merchandise Cars and Caboose.

No. 334 Locomotive, Tender, Baggage, Combination and Drawing Room Cars.

No. 335 Locomotive, Tender, Stock, Gravel and Merchandise Cars and Caboose.

No. 336 Locomotive, Tender, Passenger, Combination, Drawing Room, Stock, Gravel and Merchandise Cars and Caboose.



No. 334 Passenger Train.
53 inches long.



No. 335 Freight Train.
65 inches long.

. D, 8





Fig. 0.

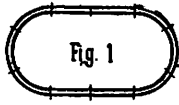


Fig. 1

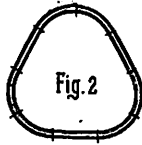


Fig. 2

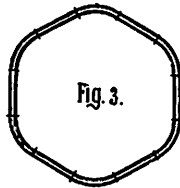


Fig. 3.

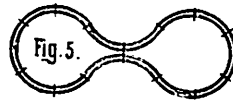


Fig. 5.

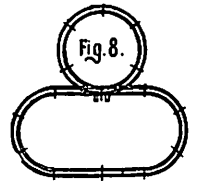


Fig. 8.

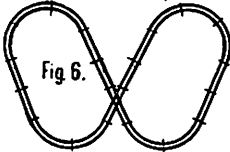


Fig. 6.

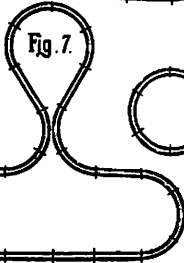


Fig. 7.

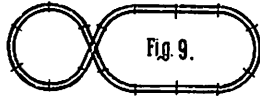


Fig. 9.

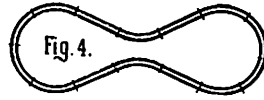


Fig. 4.

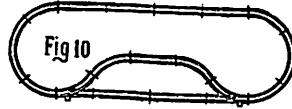


Fig. 10

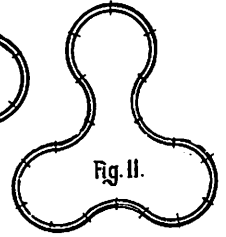


Fig. 11.

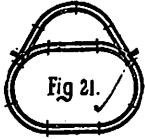


Fig. 21. ✓



Fig. 12.

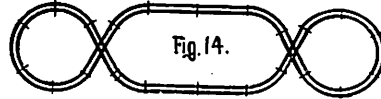


Fig. 14.

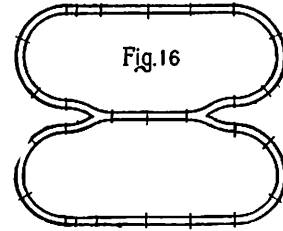


Fig. 16

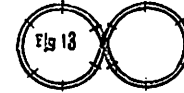


Fig. 13

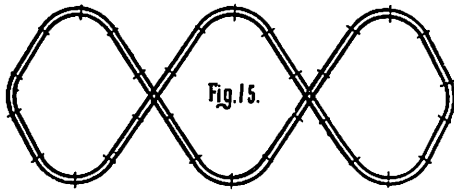


Fig. 15.

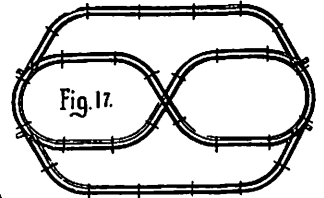


Fig. 17.



Fig. 18



Fig. 19.

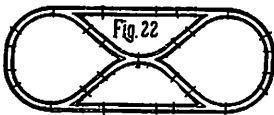


Fig. 22

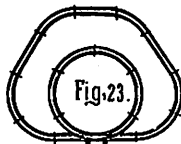


Fig. 23.

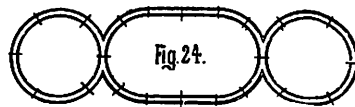


Fig. 24.

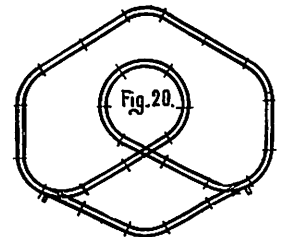


Fig. 20.

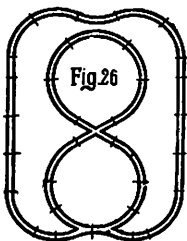


Fig. 26

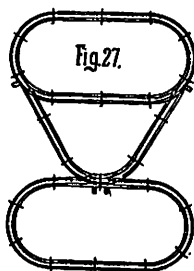


Fig. 27.

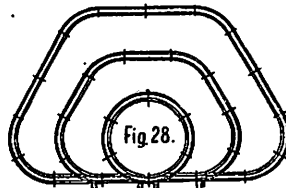


Fig. 28.

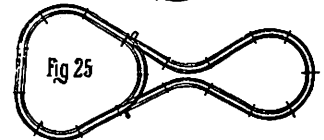


Fig. 25

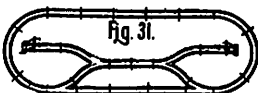


Fig. 31.

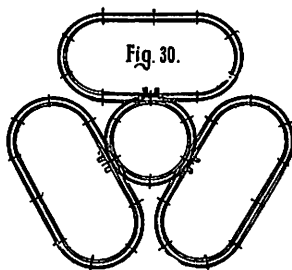


Fig. 30.

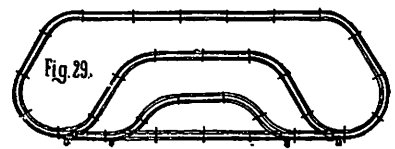


Fig. 29.

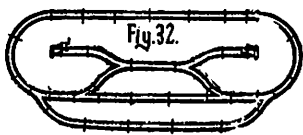
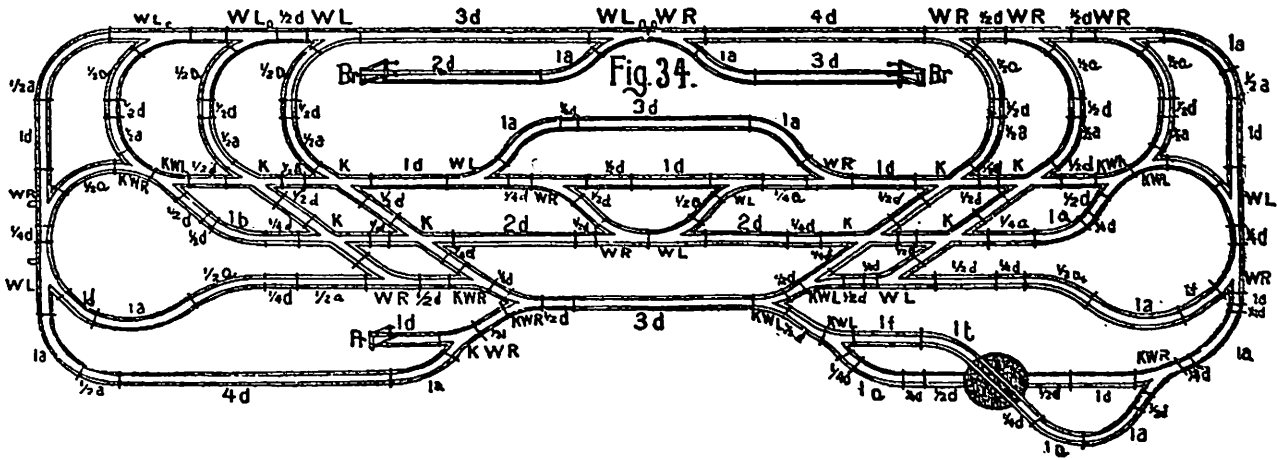


Fig. 32.



Fig. 33



TRACK "SECTIONS" ARE ILLUSTRATED AND DESCRIBED ON PAGE 19

- Figure 0—is made with 6 No. A sections.
 Figure 1—is made with 6 No. A and 4 No. D sections.
 Figure 2—is made with 6 No. A and 3 No. D sections.
 Figure 3—is made with 6 No. A and 6 No. D sections.
 Figure 4—is made with 10 No. A and 4 No. D sections.
 Figure 5—is made with 14 No. A sections.
 Figure 6—is made with 10 No. A and 8 No. D sections, and 1 pc. No. K Cross Over.
 Figure 7—is made with 14 No. A and 8 No. D sections.
 Figure 8—is made with 10 No. A and 2 No. D sections, and 1 pr. No. W. Switches.
 Figure 9—is made with 10 No. A and 4 No. D sections, and 1 pc. No. K Cross Over.
 Figure 10—is made with 8 No. A and 7 No. D sections, and 1 pr. No. W. Sw'tches.
 Figure 11—is made with 18 No. A Sections.
 Figure 12—is made with 8 No. A and 4 No. D sections, and 1 pc. No. K Cross Over.
 Figure 13—is made with 10 No. A sections and 1 pc. No. K Cross Over.
 Figure 14—is made with 14 No. A and 4 No. D sections, and 2 pc. No. K Cross Overs.
 Figure 15—is made with 14 No. A and 12 No. D sections, and 2 pc. No. K Cross Overs.
 Figure 16—is made with 12 No. A, 8 No. D, 2 No. $\frac{1}{2}D$ and 2 No. $\frac{1}{4}D$ sections, and 1 pr. No. KW Switches.
 Figure 17—is made with 10 No. A and 10 No. D sections, 1 pc. No. K Cross Over and 2 pr. No. W Switches.
 Figure 18—is made with 12 No. A and 7 No. D sections, 1 pc. No. K Cross Over and 1 pr. No. W Switches.
 Figure 19—is made with 10 No. A, 27 No. D and 3 No. $\frac{1}{4}D$ sections, 2 pr. No. W Switches, and 2 pr. of No. KW Switches.
 Figure 20—is made with made with 11 No. A and 10 No. D sections, 1 pc. No. K Cross Over, and 1 pr. No. W Switches.
 Figure 21—is made with 6 No. A and 2 No. D sections, and 1 pr. No. W Switches.
 Figure 22—is made with 4 No. A, 4 No. D, 8 No. $\frac{1}{2}A$ and 6 No. $\frac{1}{2}D$ sections, 2 pr. of No. W Switches, and 1 pr. of No. KW Switches.
 Figure 23—is made with 10 No. A and 3 No. D sections and 1 pr. No. W Switches.
 Figure 24—is made with 8 No. A, 4 No. $\frac{1}{2}A$ and 4 No. D sections, and 2 pr. No. KW Switches.
 Figure 25—is made with 10 No. A and 3 No. D sections, and 1 pr. No. W Switches.
 Figure 26—is made with 14 No. A, 6 No. D, 4 No. $\frac{1}{2}A$ and 2 No. $\frac{1}{2}D$ sections, 1 pc. No. K Cross Over, and 1 pr. No. KW Switches.
 Figure 27—is made with 10 No. A and 8 No. D sections, and 2 pr. No. W Switches.
 Figure 28—is made with 14 No. A and 9 No. D sections, and 2 pr. No. W Switches.
 Figure 29—is made with 10 No. A and 14 No. D sections, and 2 pr. No. W Switches.
 Figure 30—is made with 18 No. A and 6 No. D sections, and 3 pr. No. W Switches.
 Figure 31—is made with 6 No. A, 10 No. D and 2 No. $\frac{1}{2}D$ sections, 1 pr. No. W Switches, 1 pr. No. KW Switches and 2 Bumpers.
 Figure 32—is made with 8 No. A, 14 No. D and 1 No. $\frac{1}{2}D$, sections, 2 pr. No. W Switches, 1 pr. No. KW Switches and 2 Bumpers.
 Figure 33—is made with 6 No. A, 27 No. D, 8 No. $\frac{1}{2}A$ and 10 No. $\frac{1}{2}D$, 2 pc. No. K Cross Overs, 4 pr. No. W Switches, and 3 pr. No. KW Switches.
 Figure 34—is made with 20 No. A, 37 No. D, 18 No. $\frac{1}{2}A$, 34 No. $\frac{1}{2}D$, 18 $\frac{1}{4}$ No. D, 8 pc. No. K Cross Overs, 10 pr. No. W Switches, 5 $\frac{1}{2}$ pr. No. KW Switches, 3 Bumpers and 1 Turntable.

