

For Realism in a Toy Train Layout

This C-D size is the best size for rolling stock yet designed for converting toy 0-gauge material to a far more realistic scale. It is the only size that will fit on your toy car, and it is the only size that will fit on a tin track for train layout. You have cars that really "fit" with all your other toy rolling stock. It's the nearest thing possible to authenticity on a tin track for train layout. It's the only size that will fit on a tin track for train layout. It's the only size that will fit on a tin track for train layout.

Reefer platforms and hatches are on all four corners of the roof with grab irons on two diagonal corners.

1/16 sheet wood braces on the inside of the car sides at each end. Four required in all.

1/16 thick wood sides, ends and bulkheads

Platforms may be added to two top corners of box car. Wire grab irons are on two corners of the roof diagonally opposite each other.

Side view of reefer platform and hatch.

1/16 thick roof

1/8 sq. longitudinal stringers placed 1/16 below top of sides on inside.

1/16 bulkheads

1/8 thick floor

Air brake cylinder

Center sill steps are used on Reefer cars

Four sill steps used on box cars. Six used on Reefer cars.

TRUCK AND BUMPER STOP DRAWINGS

All parts except axle rods, kingpin and rail may be made of wood. Assemble the parts neatly and color to match the prototypes.

Spring plank

1/16 dia. x 1 7/32 axle rod

King Pin

Bolster

Top and side views of bumper post.

Escutcheon pin holds coupler and trucks in place

1/8 sq. longitudinal stringers

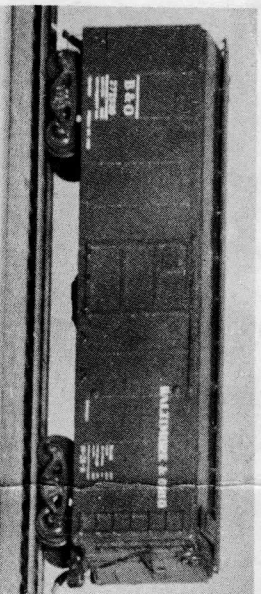
3 view coupler layout

1/16 sides

Brace

Perspective view showing Refrigerator or Box Car type of construction.

Photographs of models shown on this drawing represent two types of cars that were built from these plans. However, many types may be made by using the same plans.



BUILDING REFRIGERATOR AND BOX CARS

Before starting construction study the drawing and the printed paper sheet to acquaint yourself with assembling the car.

Look on printed paper sheet for type of brake wheel used whether it is Ajax, Universal or Ratchet type. Used on one end of car only.

Universal type

Universal type

Front and side views of Ratchet type

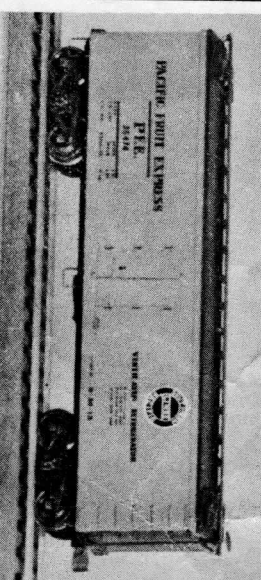
Front view of Ajax

Brake staff and platform same on all types.

1st step

2nd step

Cement 5 pieces of wood together to make couplers. Carve to shape with razor blade. Attach pin thru shank at desired position.



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1937
A CLEVELAND-DESIGNED RAILROAD "REF" TYPE MODEL "RBR" STANDARDIZED BOX AND REFRIGERATOR CAR
All Designs Incorporated Experience Of Their Owners As Model Engineers Since 1919