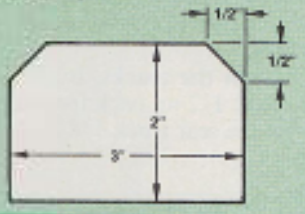
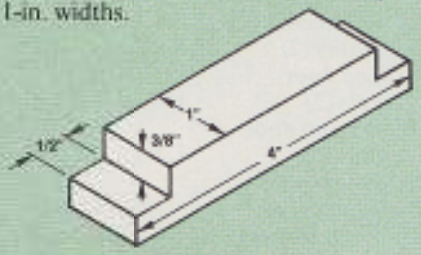
End Railings

1. Cut stock to form a 3/4 x 2 x 3-in. block and chamfer two corners at 45°.
2. Resaw the stock to 1/8-in. thicknesses on the bandsaw.
3. Attach end railings flush with the bottom of the steps.
Note: Number of end railings depends on which cars you build.



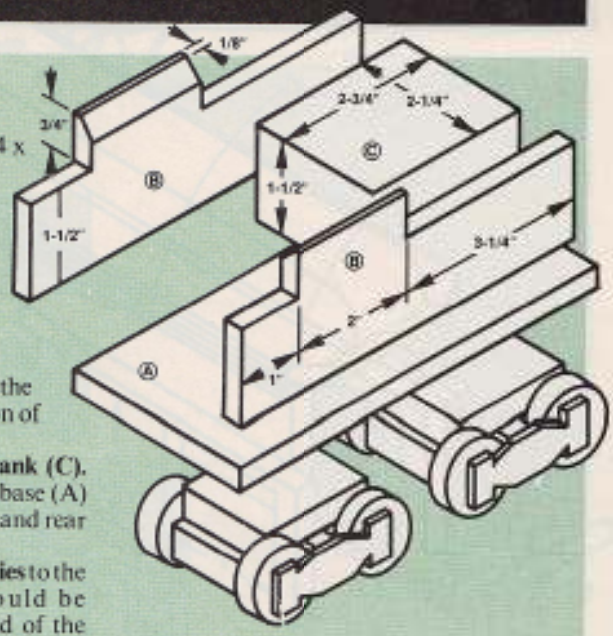
Steps

Using a 4-in. length of 1 x 6 stock, cut 3/8 x 1/2-in. rabbets in the end grain. Rip to 1-in. widths.



Tender

1. Glue up three pieces of 3/4 x 1-1/2 x 2-3/4-in. stock for the tank (C).
2. Cut the contour for the sides (B) out of a 3/4 x 2-1/4 x 6-1/4-in. piece of stock. Then resaw this stock with the bandsaw into two 3/8-in. thick pieces.
3. Disc sand the chamfer on the inside edges of the raised portion of the sides.
4. Glue the sides (B) to the tank (C). Then glue this assembly to the base (A) leaving a 1/8-in. lip at the front and rear of the car.
5. Glue the two truck assemblies to the base. The axle spacer should be positioned 1/2-in. from the end of the base. Drill 3/32-in. holes in the ends for the hook and eye.



List of Materials

(finished dimensions in inches)

A	Base	3/8 x 3 x 6-1/2
B	Sides (2)	3/8 x 2-1/4 x 6-1/4
C	Tank	2-1/4 x 1-1/2 x 2-3/4

Passenger Coach

1. Cut the notches in the base (A) where indicated using the bandsaw.
2. Cut out the windows in the sides (B) using a jigsaw piercing cut. Or, cut a 1/4-in. strip off the top edge of the side, cut out the windows on the bandsaw then glue the strip back on. Make both sides at once by using 3/4-in. stock and resawing after completing the above operations.
3. Cut out the door openings in the cabin ends (C).
4. Glue the sides (B) to the cabin ends (C) then glue this assembly to the base (A). Attach roof assembly, trucks, steps, and end railings. Drill 3/32-in. holes in the ends for the hook and screw eye.

List of Materials

(finished dimensions in inches)

A	Base	3/8 x 3 x 10
B	Sides	3/8 x 2-1/4 x 8
C	Cabin ends	3/8 x 2 x 2-1/4