Quality Craft

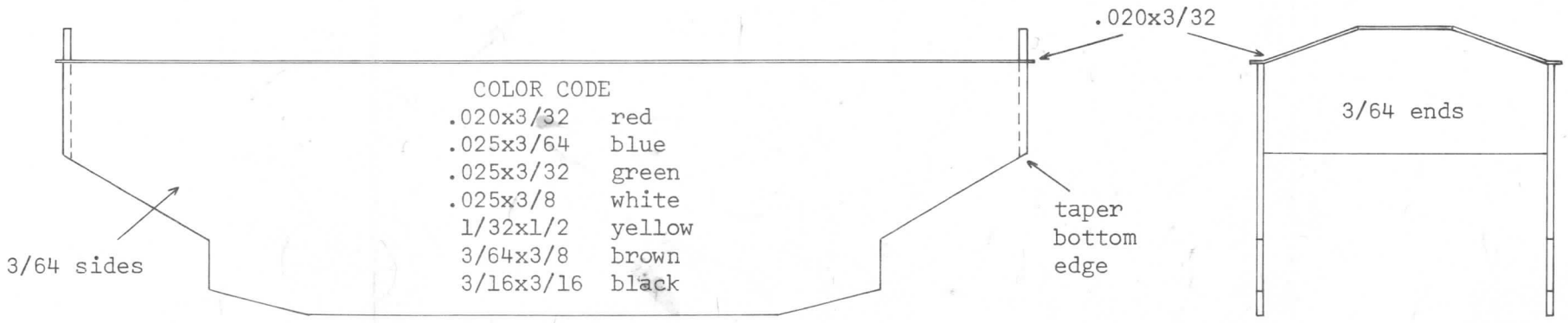



FIG. A

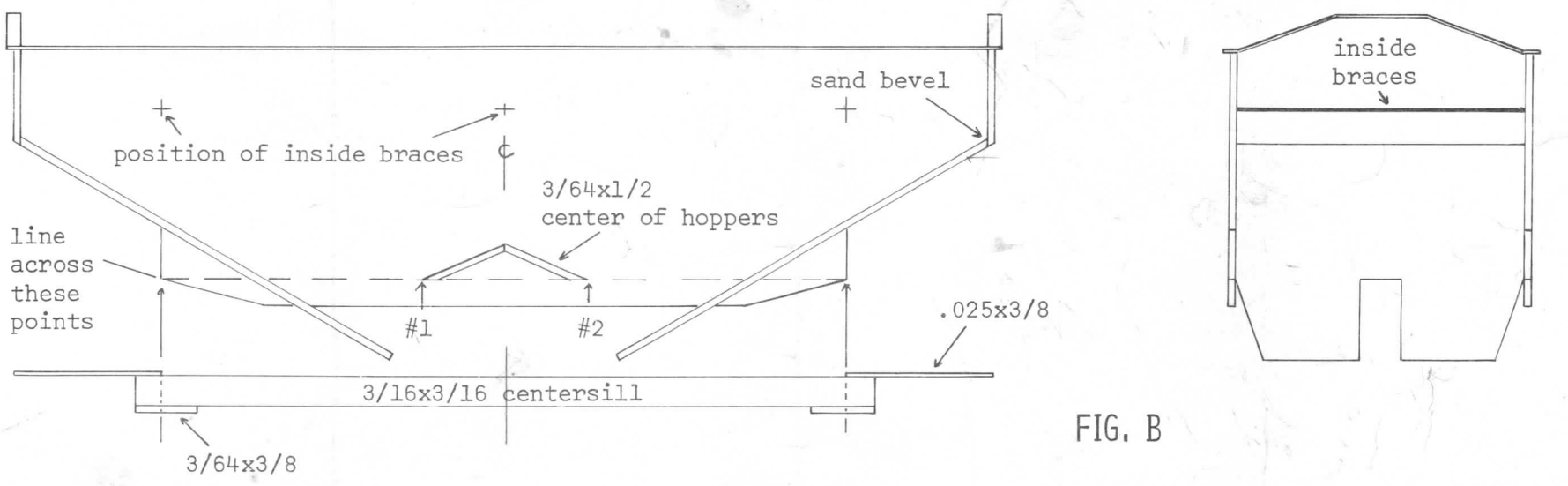



FIG. B

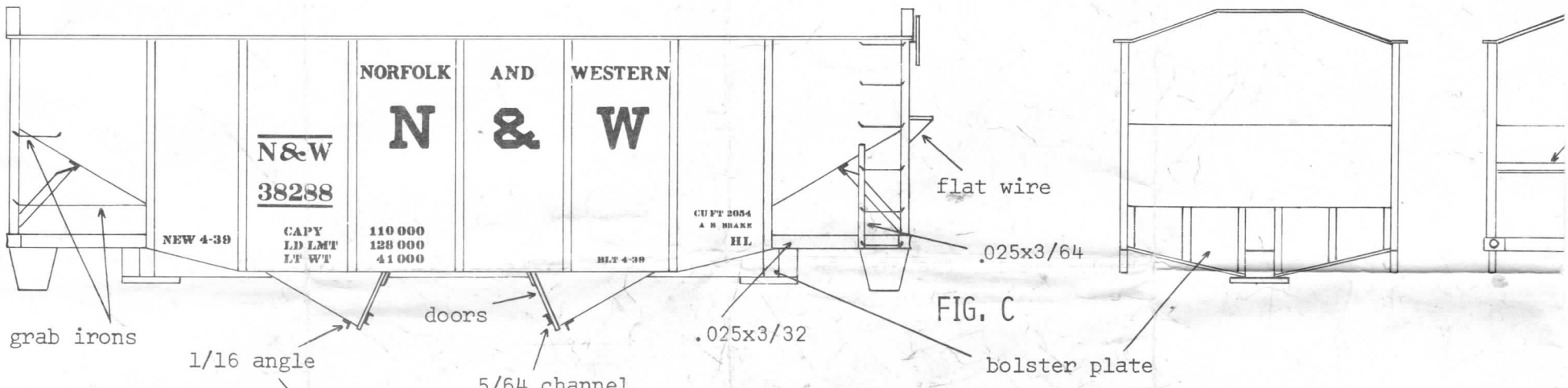



FIG. C

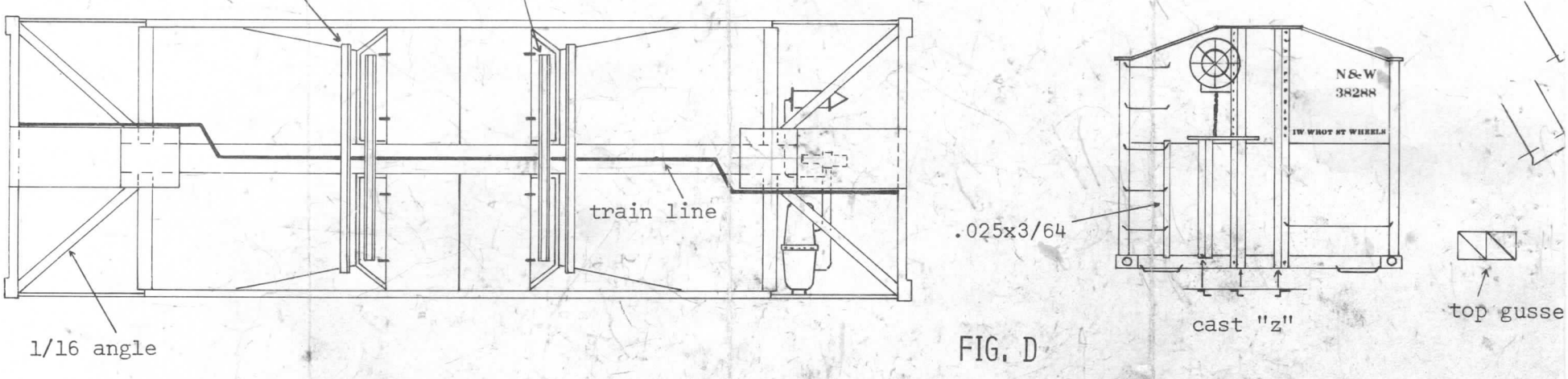



FIG. D

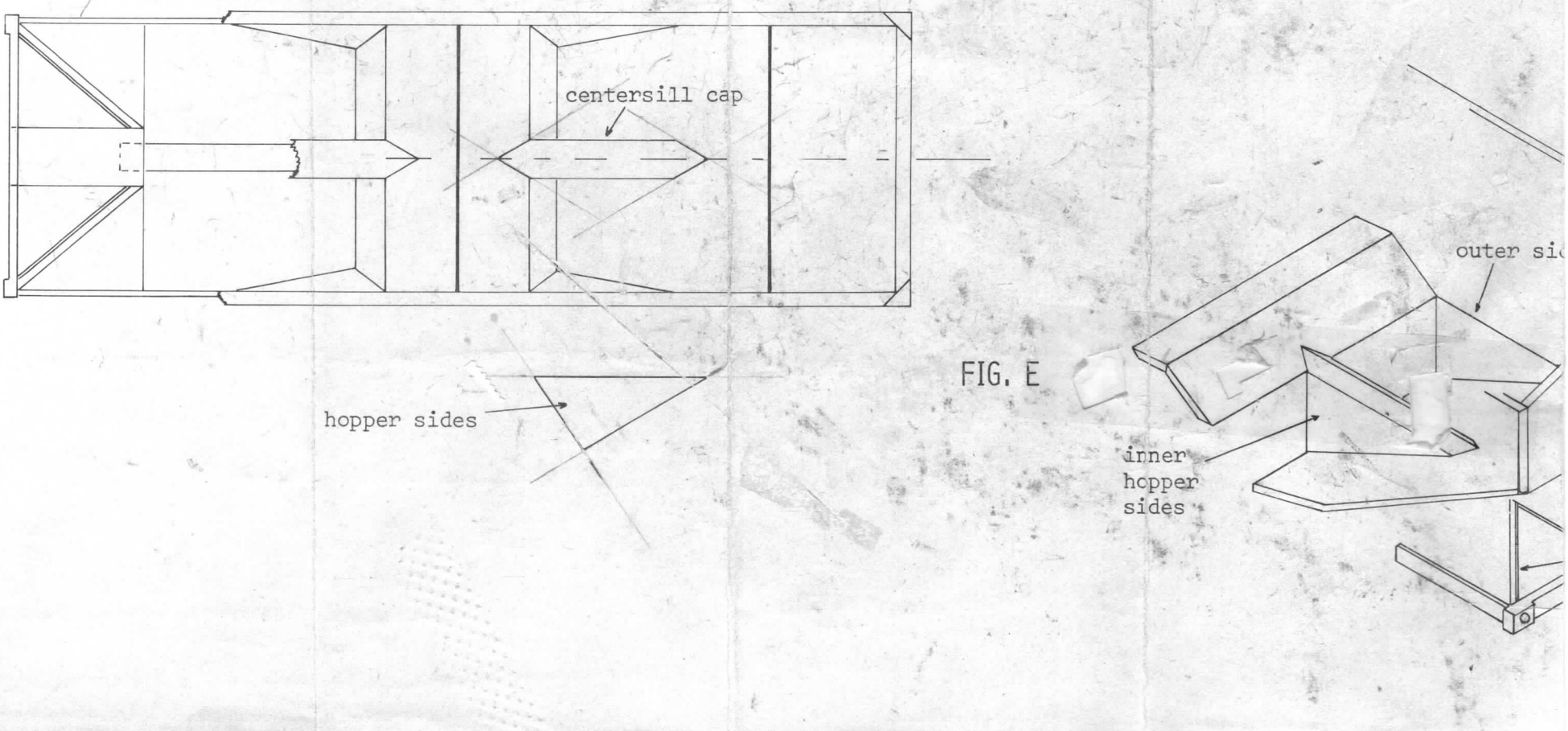
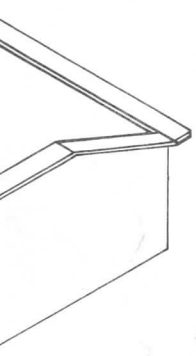
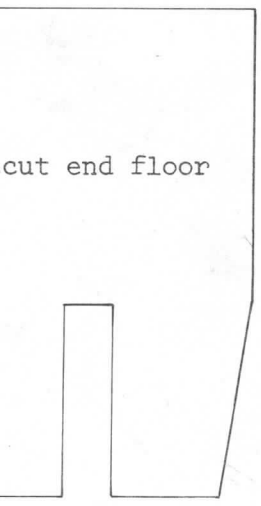
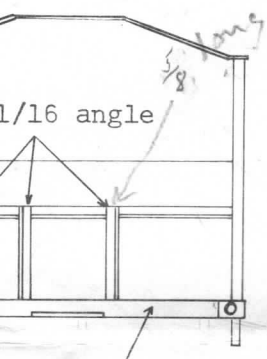
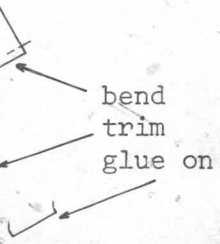


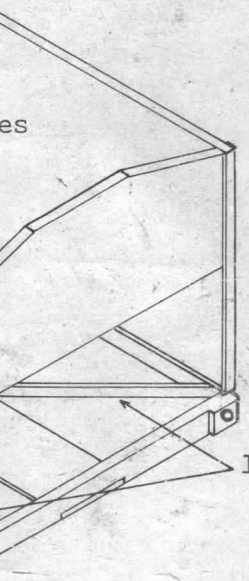

FIG. E



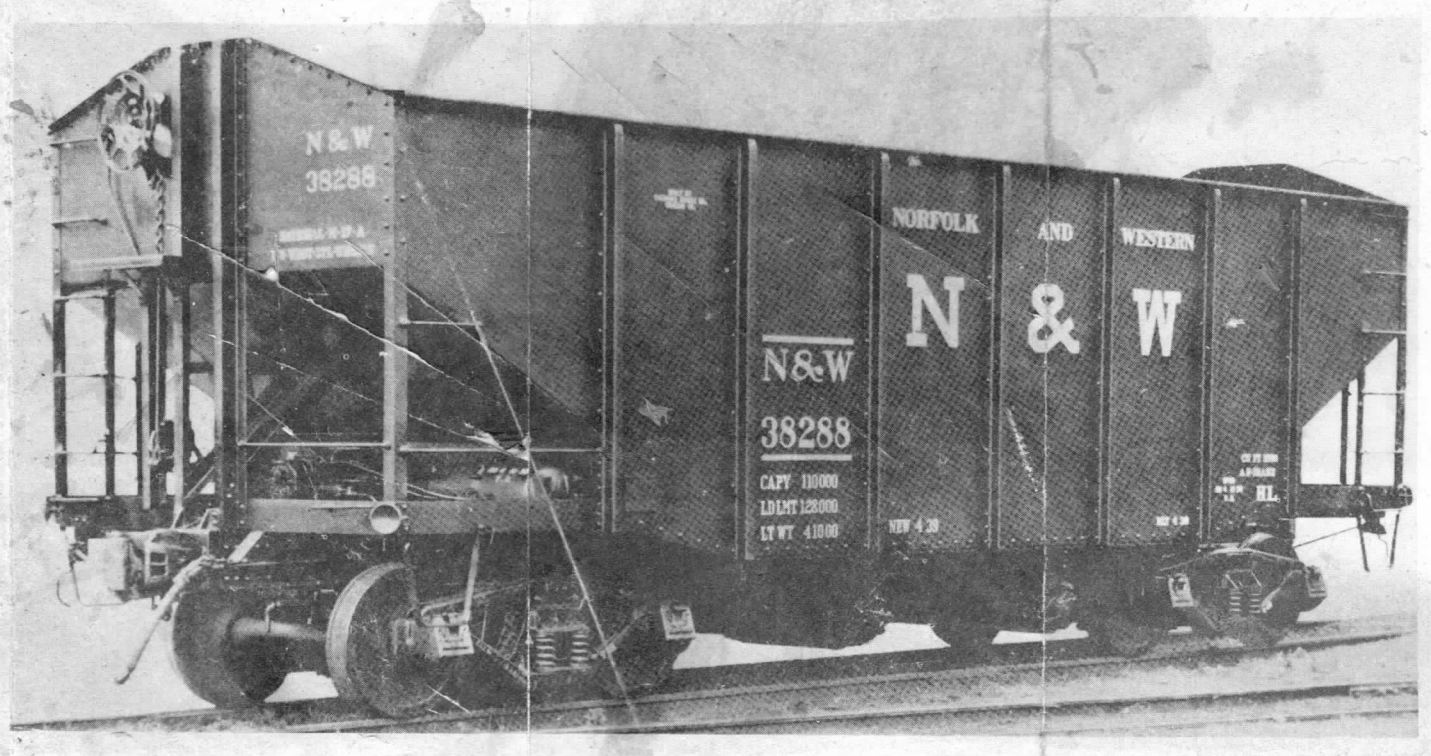



Use Scalecoat Sanding Sealer on all wood parts before starting assembly. To simulate metal, use two coats, using 00 steel wool between coats and very lightly after last coat. Cap the top of the sides, Fig. A, with .020 x 3/32. This top cap should extend beyond the end edges and will be sanded off later. Mark points #1 and #2 on the inside of the sides, the points to indicate the position of the inside cross braces, and a light line the length of the sides as shown in Fig. B. Cut the metal side braces to length and place as shown in Fig. C. Taper the edges on the two precut 3/64 x 1/2 center of hopper, Fig. B, and glue to the inside of one of the sides, being sure that it fits on the marks, #1 and #2. Glue the two 3/64 preshaped ends to the same side. Sand a bevel on the preshaped end floors and also glue to the side, Fig. B. Glue the other side in place. Taper the bottom edge of the preshaped ends to match the angle on the end floors. Place the .020 x 3/32 cap on the top of the ends, Fig. A. Now sand off the excess side top cap to match the end cap. Use the template in Fig. E as a guide and cut from 1/32 x 1/2, the hopper sides, both inner and outer. To prevent the splitting of the 3/16 x 3/16 centersill, drill small holes as shown in Fig. B, enlarge with the desired truck mounting screw size, then cut the centersill to exact length. Cut 3/64 x 3/8 bolster supports to size and after placed, drill the hole in through. Place the completed centersill assembly, followed by the metal doors. Fit the bolster plate casting as shown in Fig. C. This is placed in line with the truck screw holes, between the end of the sides, up against the end floor. Place the 1/16 angle across the bottom of the end floor, Fig. C. Glue the .025 x 3/8 centersill extension, Fig. B, to the top end of the centersill, being sure that it extends out to and matches the end sheet on the car. Place the end sill casting on top of this extension, Fig. C, D, & E. Cut .025 x 3/32 to length and place from the end of the sides, out to the end sill, Fig. C & D. Cut and place the four 1/16 angle inner end braces that run from the end sill up to the angle across the end floor, Fig. C, the angle braces from the centersill extension out to the end sill, Fig. D & E. Place the 1/16 angle vertical end corner posts. These sit on top of the end sill at the bottom. Place the air reservoir, triple valve, and air cylinder, Fig. D. Form the train line from #18 wire and the other small pipes from #26 wire. Place the 5/64 channel and the 1/16 angle across the bottom of the hoppers, Fig. D. Place the cast end "Z" braces, Fig. D. Glue on the end brake platform, use flat wire for braces under it. Glue in place the ajax housing and brake wheel. #26 wire from under the brake platform, down to the end sill, Fig. D. On the inside of the car, cut from #18 wire and place the 3 cross braces, Fig. B & C. Cut the centersill cover to length, taper the ends and place on top of the centersill, Fig. E. Cut paper gussets and place on the top of the corners. Cut .025 x 3/64 braces for sides and ends, Fig. C & D, for the grab iron supports. Place #26 wire on the ends of the sides and across the ends, Fig. C & D. Form the side and end grab irons from #26 wire, Fig. D, and glue on as shown in Fig. C & D. The steps are formed from flat wire. Place the couplers and Bettendorf trucks of your choice. Paint with #10 Scalecoat Black, decal and over coat with Scalecoat Dull or Gloss Finish to hide any decal film. Should you find any part missing or broken, please state guage and kit number, and write for free replacement.

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