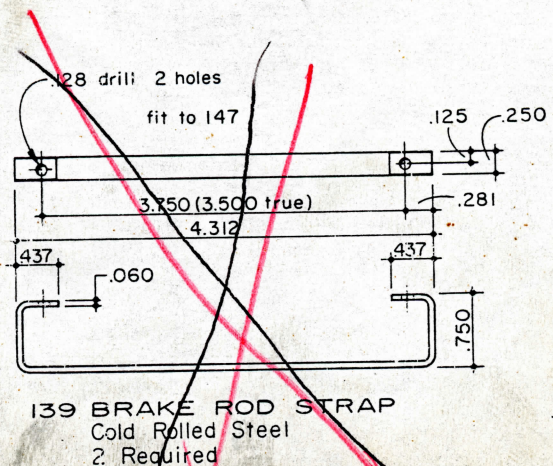
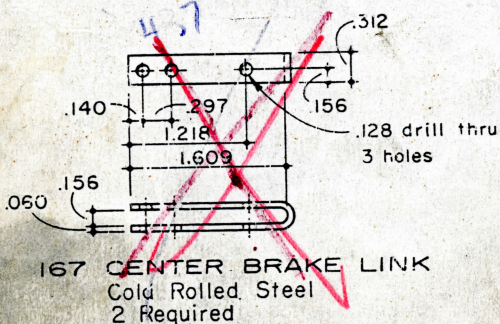
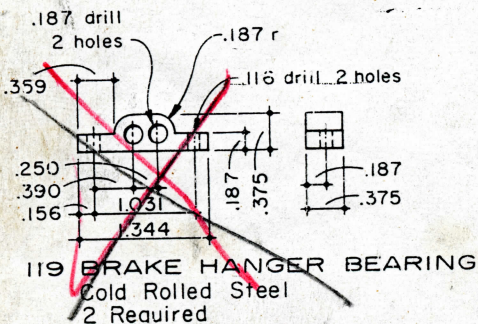
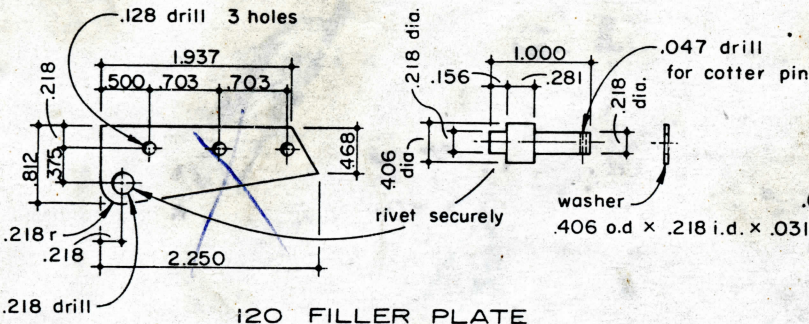


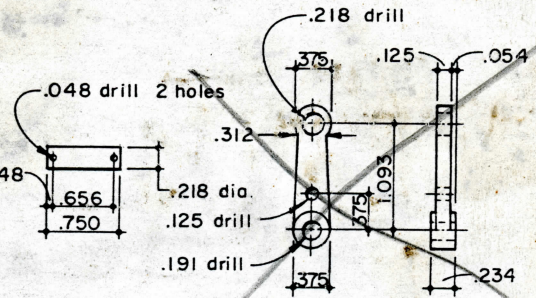
078 ENGINE BRAKE GROUP



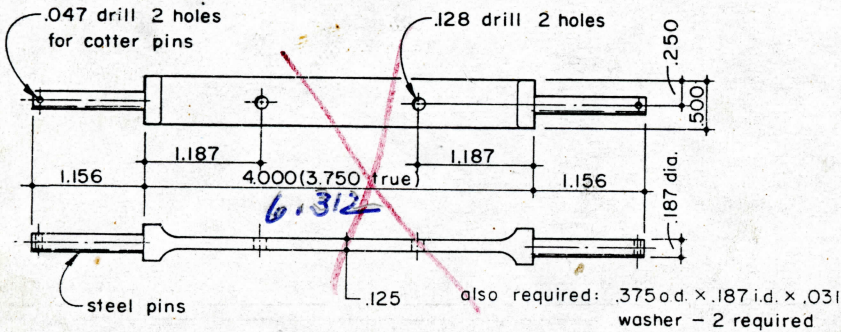
Warren Weston has 1/2" scale castings and drawings available for the D&RGWW 4-6-0. Some rolling stock castings are also available. See his ad on page 62 for further information.



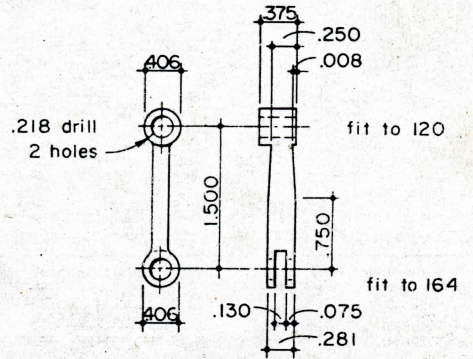
120 FILLER PLATE
 .125 Cold Rolled Steel
 2 Required (1 as shown - 1 opposite)



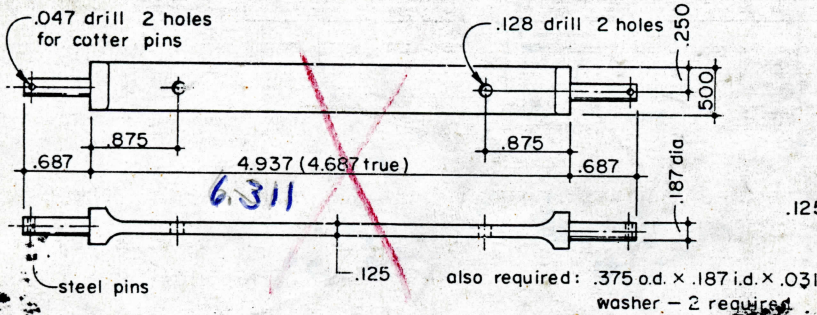
164 REAR BRAKE EQUALIZER
 Cold Rolled Steel
 2 Required



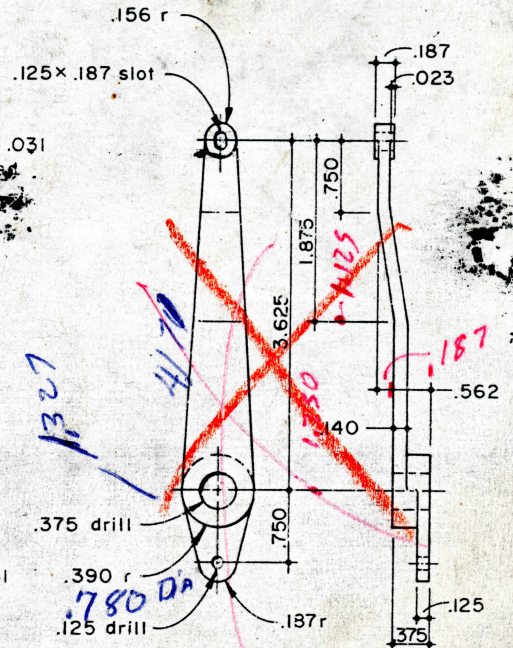
166 CENTER BRAKE SHOE SHAFT
 Brass Casting CR
 1 Required



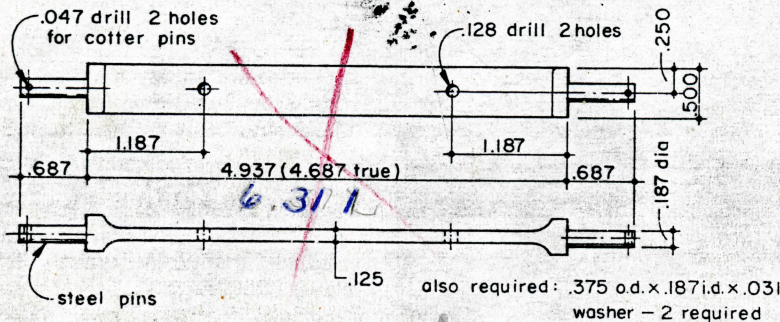
165 REAR BRAKE HANGER
 Cold Rolled Steel
 2 Required



322 FRONT BRAKE SHOE SHAFT
 Brass Casting CR
 1 Required



199 BRAKE LEVER
 Cold Rolled Steel
 2 Required



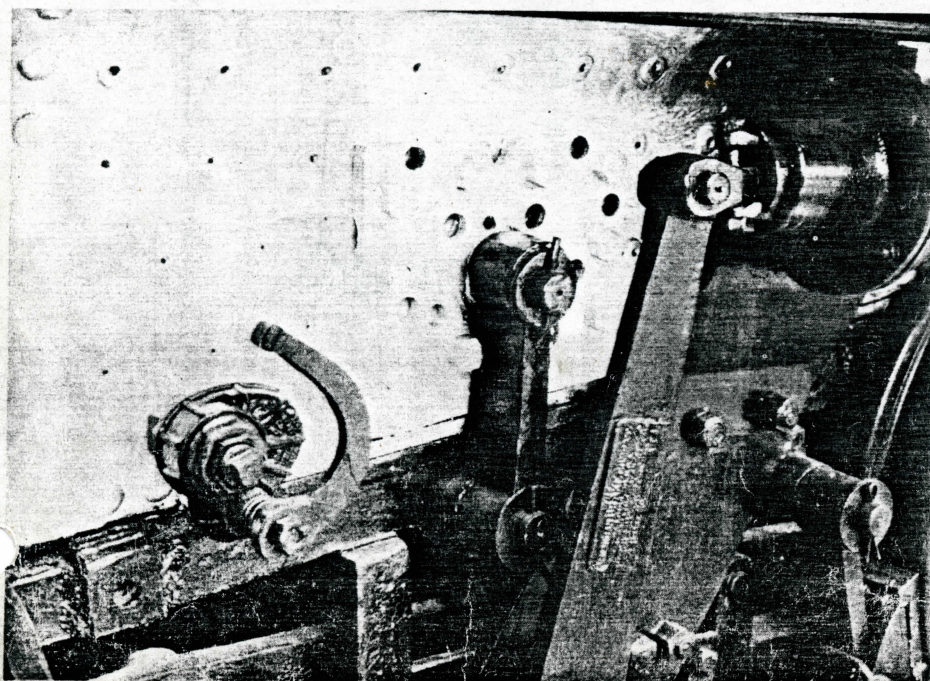
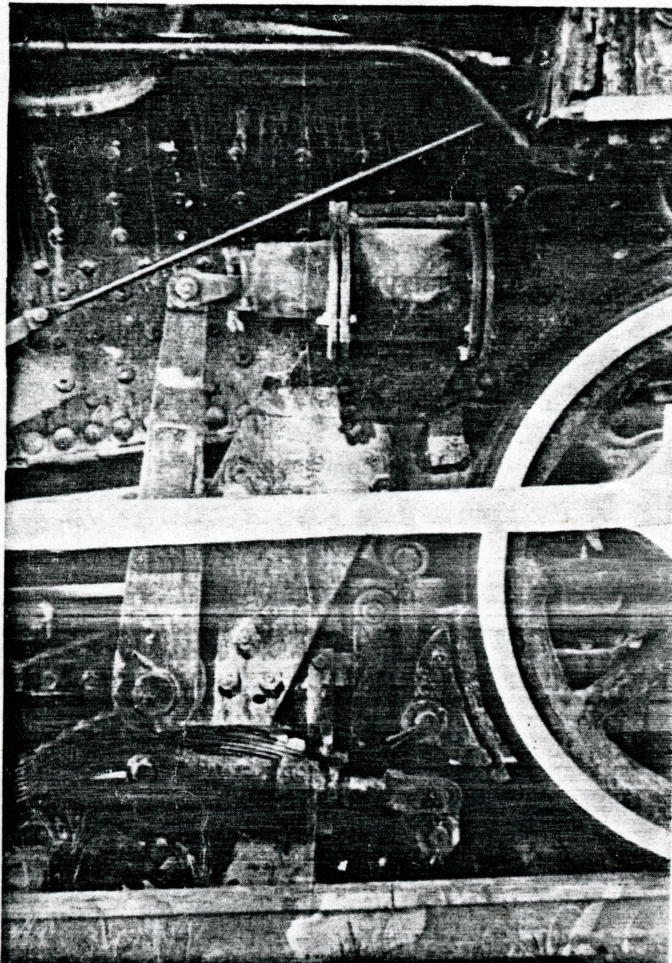
323 REAR BRAKE SHOE SHAFT
 Brass Casting
 1 Required

No. Req'd.	Description
6	Brake Shoe
2	#5-40 x 7/8 Model Hex Bolt
4	#4-40 x 3/4 Model Hex Bolt
30	#2-56 x 3/8 Model Hex Bolt
30	#2-56 Model Hex Bolt
4	#4-40 x 3/8 Flat Hd. Screw

No. Req'd.	Description
10	#5-40 x 3/4 Model Hex Bolt
4	#5-40 x 1/2 Model Hex Bolt
2	#5-40 x 1 Model Hex Bolt
18	#5-40 Model Hex Nut
8	#4-40 Model Hex Nut
2	#12-24 Hex Nut

Right. A fireman's-side Brake Cylinder on #169. Note the clutter of the brake linkage.

Below. Here's a similar view on #168. The frame to boiler linkage has not been included in this series but foot notes can be made on the original frame and this linkage if there is enough call for it.



in the bearing is beyond this writer. The second hole does make a left- and right-hand part but a hole in the center of a shorter part does the same thing. Oh well, we have to remember we are modeling and not doing the original design work.

165 REAR BRAKE HANGER

This is a three-piece fabrication and silver solder assembly. The .008 dimension (1/16 inch on the locomotive) may be just what is left after many years of wear but it is a good point for decimal dimensioning.

164 REAR BRAKE EQUALIZER

The headless pin joins the Brake Shoe, 164 and 165. Silver solder the hub and the .125 x .375 arm, locate and drill the .125 and .218 diameter holes, then a few strokes of the file will complete the part. For modeling purposes and convenience, you may choose to make this headless pin .187 diameter so that all Brake Shoes will be alike. Remember to make the same mistake on 165 also.

166, 322, 323 BRAKE SHOE SHAFT

Trim the castings to length, locate and drill the ends of each casting for the steel pins. Silver solder and finish by drilling the holes. A note to remember: the optional dimensions are to space the parts for 4 3/4" track.

167 CENTER BRAKE LINK

A form-first, layout-and-drill type of part.

139 BRAKE ROD STRAP

A nice addition to a model to only satisfy the worm's eye viewer. This is one of the few "safety hangers" that we documented.

199 BRAKE LEVER

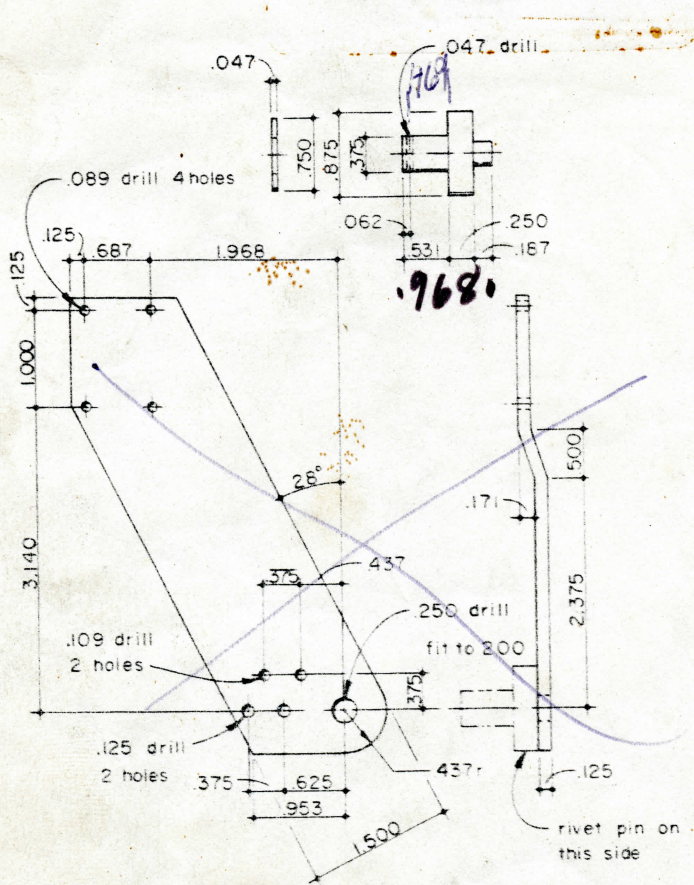
The .125 x .187 round end slot allows the linear action of the Brake Cylinder Rod to swing without binding on the long radius of travel of the lever.

BRAKE SHOE

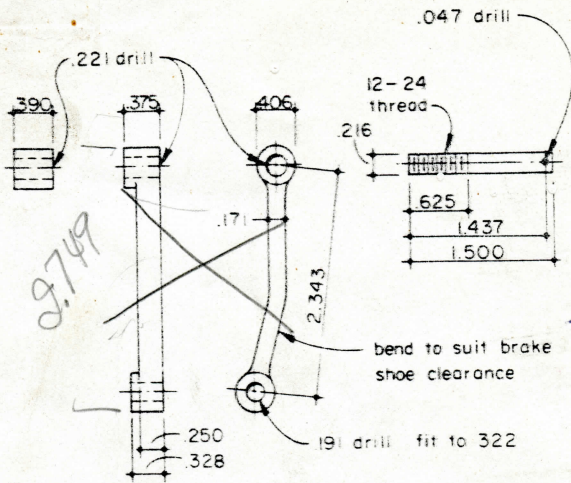
These castings need to be contoured to match the wheel tread where they are applied. Remember that the Rear Shoes should be bored for .218 diameter pin unless you have chosen to standardize on the .187 diameter.

120 FILLER PLATE

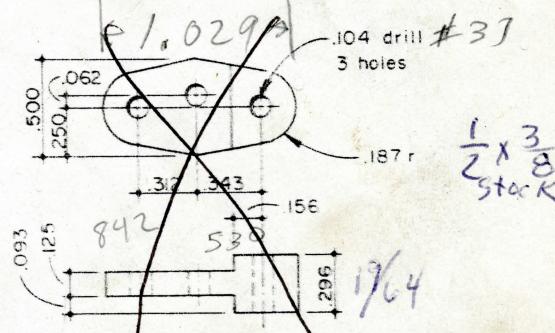
Lay out the plate as shown but be sure to check how it looks when you fit parts 202 and 203 (next chapter) to the Frame. The right hand edge should lay parallel to the front edge of 202 and 203 Brake Cylinder Brackets when mounted to the 147 Frame. Turn the stub shaft and assemble as a left- or a right-hand assembly, then silver solder and/or rivet together.



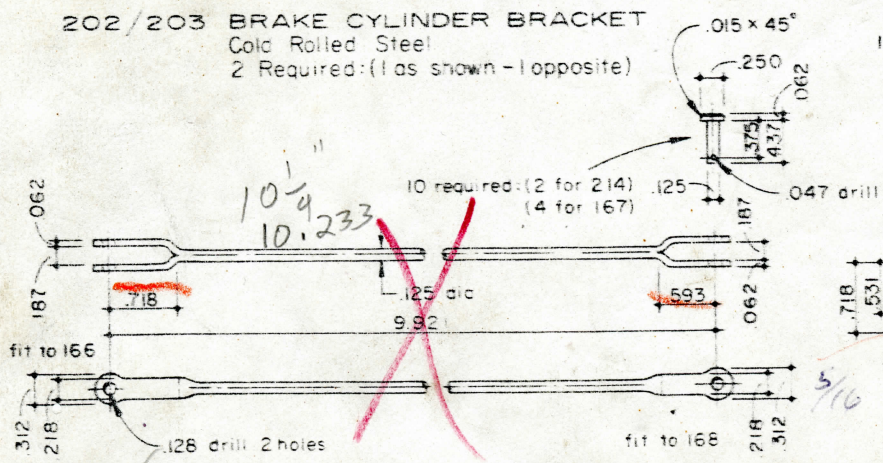
202/203 BRAKE CYLINDER BRACKET
Cold Rolled Steel
2 Required: (1 as shown - 1 opposite)



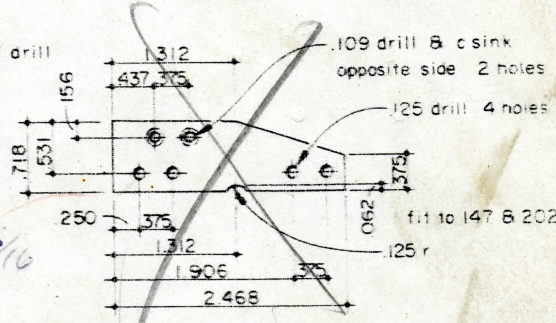
292/293 FRONT BRAKE HANGER
Cold Rolled Steel
2 Required: (1 as shown - 1 opposite)



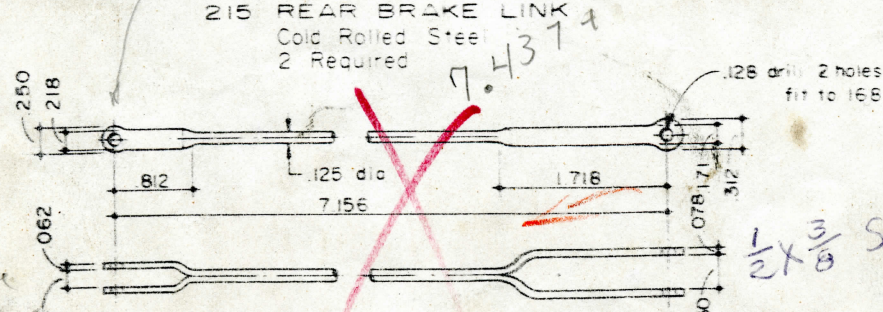
168 CENTER BRAKE EQUALIZER
Cold Rolled Steel
2 Required



215 REAR BRAKE LINK
Cold Rolled Steel
2 Required



200 SPACER
125 Cold Rolled Steel
2 Required:
(1 as shown - 1 opposite)



214 FRONT BRAKE LINK
Cold Rolled Steel
2 Required

Warren Weston has 1 1/2" scale castings and drawings available for the D&RGWW 4-6-0. Some rolling stock castings are also available. See his ad on page 41 for further information.