

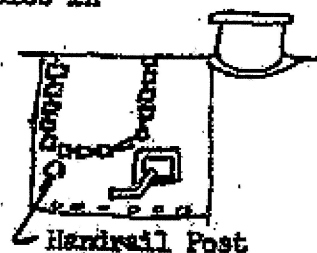
form sheet brass to boiler diameter. Epoxy

Boiler Gally—This can be installed now or later. When Boiler is on the Frame there will be quite an air gap between Frame & Boiler in the Valve Gear location. Fit a piece of wood or sheet lead under the Boiler from front Boiler at Steam Chest back to level with bottom of Tank as viewed from the side. Epoxy in and paint black. We happened to have a thick piece of balsa wood which we fitted in about 5 minutes.

#128.1 Throttle Rod Levers—Be sure both pieces have .020" holes in

them, if not use scribe to make center holes, and drill each with pin vise, at least 1/16" deep.

Drill any size hole, about #45, in area shown at right in drawing for the Stuffing Box (forward lever), then file square to fit. Dental burs of various sizes can be used in hand grinder to come close to a square, finish with a file. Burr will load up with Zamac, so you will have to stop occasionally and clean out with point of scribe. There



is not enough area here for the Stuffing Box, so you can grind or file back edge of Box with less height on top and bottom edges, then of course the top and bottom outside flanges filed narrower. These will help only a little. Locate rear fitting just below the Pop Valve, just forward of the step here, and so Rod from Stuffing Box is parallel to the Handrail.

We found the location of its pin hole to be in line with the Handrail Posts. You will have to drill about a .025" hole in the front of the Turret for the rear Throttle Rod to go into, Rod parallel with Handrail, and Rod preferably epoxied



here. Clean of paint where each fitting goes on outside and inside the Boiler and epoxy in. Solder in Rods and Handrails with "Solder In Paste" and torch flame, small flame. Note the Handrail has to be bent as one you took off, like above drawing, and long enough for the rail to go into the Pilot Deck,--Beam.

#122.1 Turbogenerator, Flye Matl.—Roughen bottom of stand to take epoxy and file paint off of Boiler 1" forward of Turret and bottom of stand 6" above center of Handrail Posts. Epoxy on.

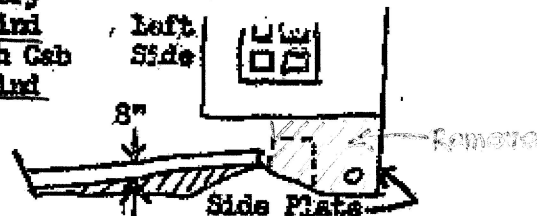
#80.5 Bell, Boiler Mounted—This Bell sets a bit high, so grind off the old Bell mount from the Boiler flush with the Boiler, then grind or file the base of the Bell shorter from the bottom so the diameter of the base is about 9" or less in diameter. Fit Bell in its frame so the ring arm is to the outside. Epoxy in after about all the other engine parts have been installed, and engine will not have to be laid on the work bench upside down.

#148.1 Stoker Engine—The Ash Pan's very bottom edge (very bottom of Fire Box) should be straight, so grind off shaded area (no wider than 8"). Remove both Cab

Handrails, top one first, and on left side grind off what appears to be a small Generator and Piping from it, flush to the side plate, so it appears like drawing. To install Stoker

Engine, either cut out section indicated by dotted lines and epoxy in Stoker Engine after

cutting off 1 1/2" from rear of Engine, or better we like removing about 1" from bottom of side plate at dotted lines and cutting a slot with saw or cut-off disc at rear of Stoker Engine barrels, then slide the side plate down into this slot so Stoker Engine is 1/6" from bottom of Cab, and cutting off rear of Stoker Engine and the sides of its stand on the bottom. This method maintains a bit more strength for the Handrails when they are replaced. Epoxy in place, piling epoxy on both sides to give strength to this section.



#152.1 Booster Engine Pipes—Take a #73-#78 drill and drill holes thru Boiler right at sides of Piping at 'A', 'B' & 'C'. If drilled electrically, be sure and inspect drill periodically as it will load up like lead, not drill