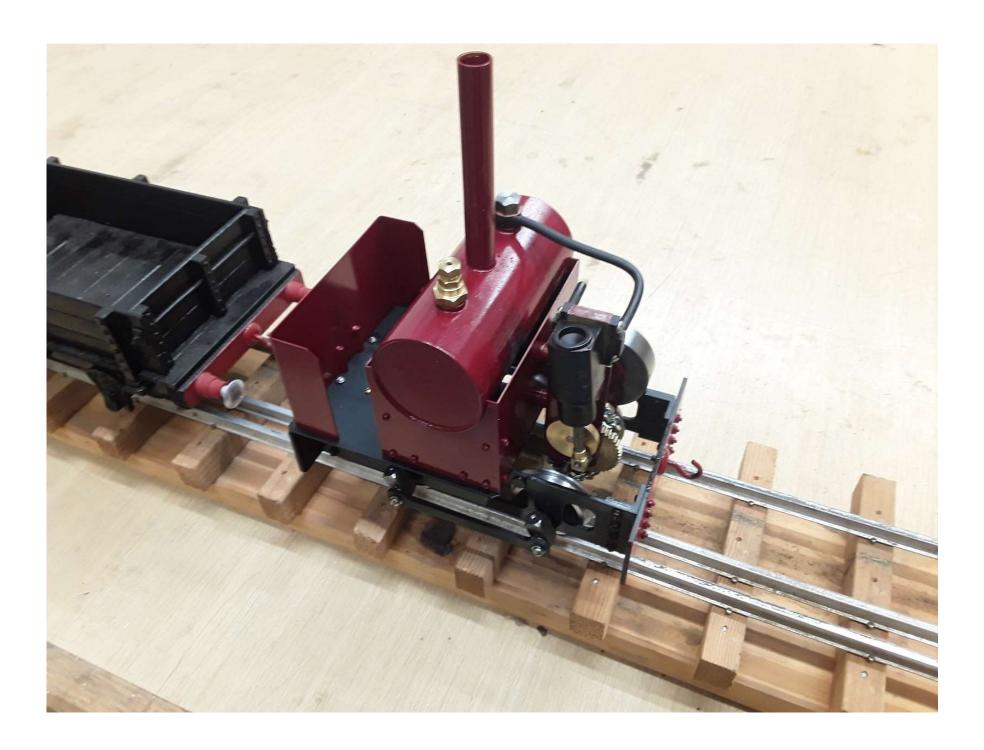
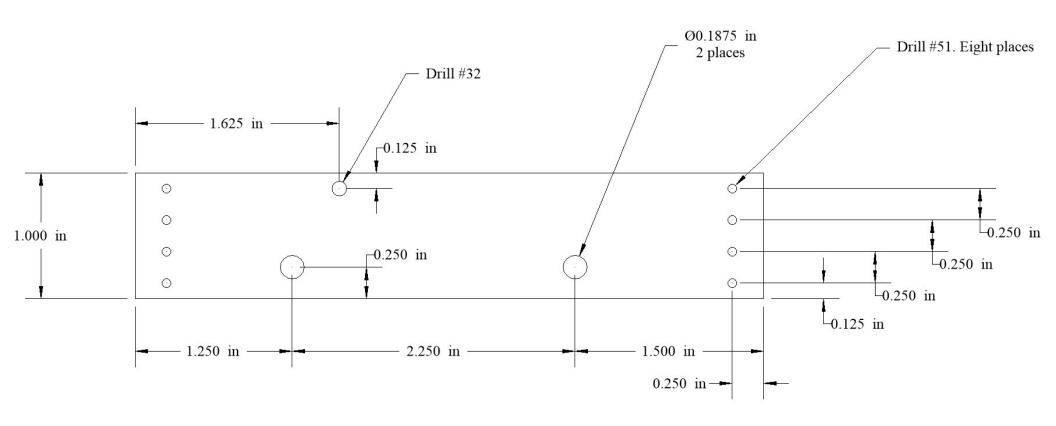
Steam in the Garden, the lost articles

Part Two, Tram Engine Build



Side Frame

Side Frame, 16 ga steel or brass



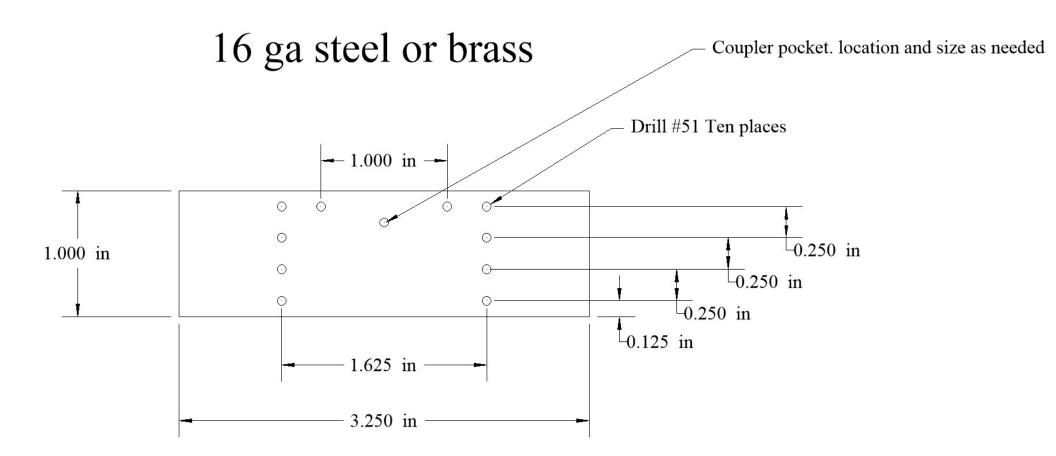
Side Frame



Side Frame

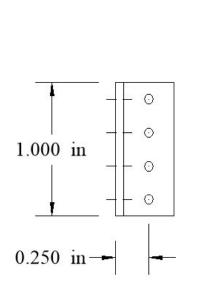


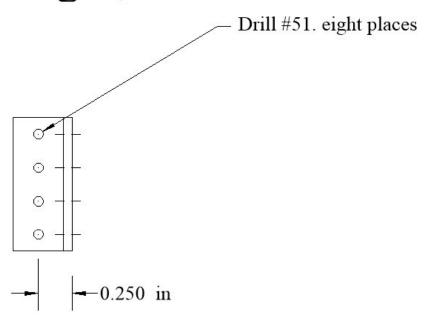
End Beam

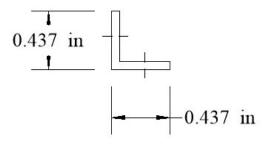


Frame Gussets

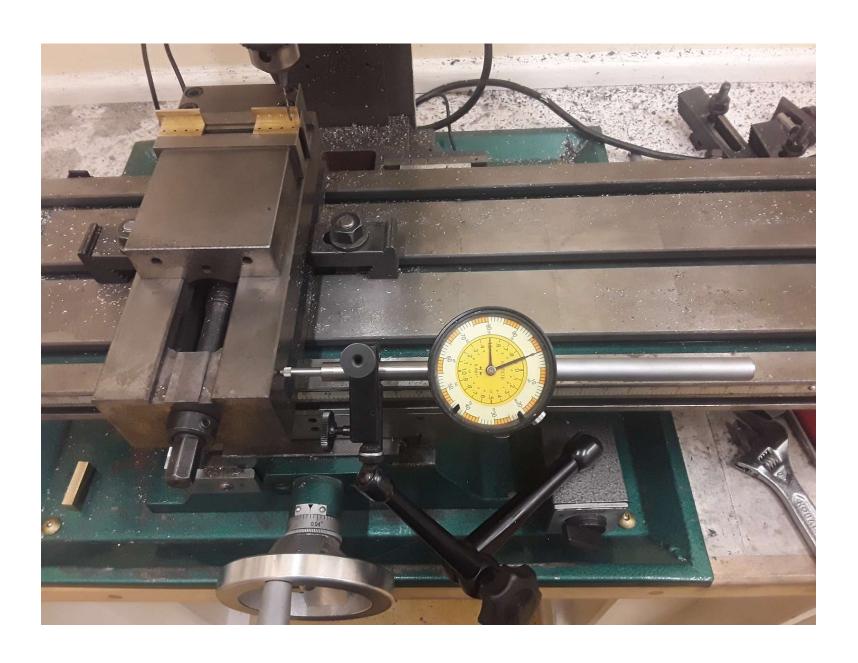
1/16" aluminum angle, 4 each





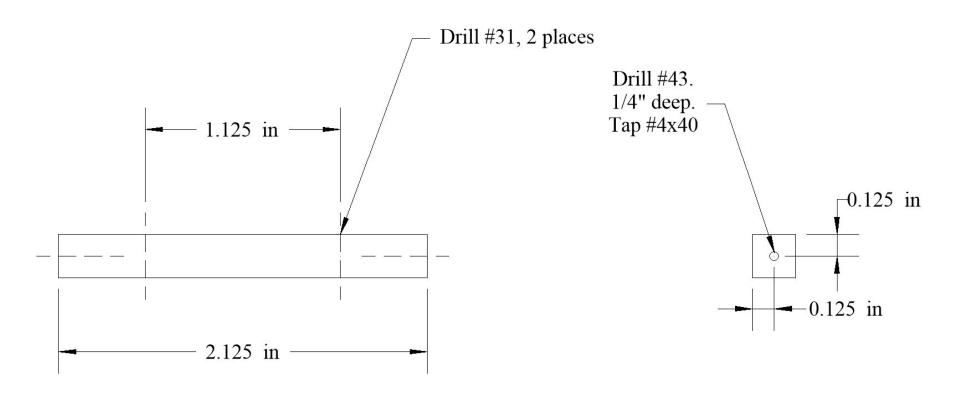


Frame Gussets



Frame Stretcher

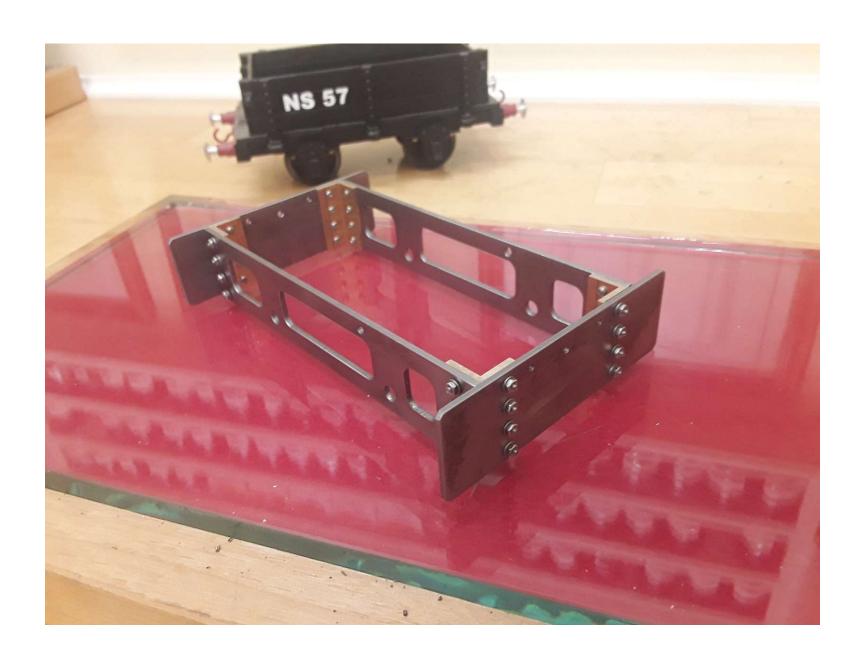
1/4" sq aluminum, 1 each



Frame Assembly

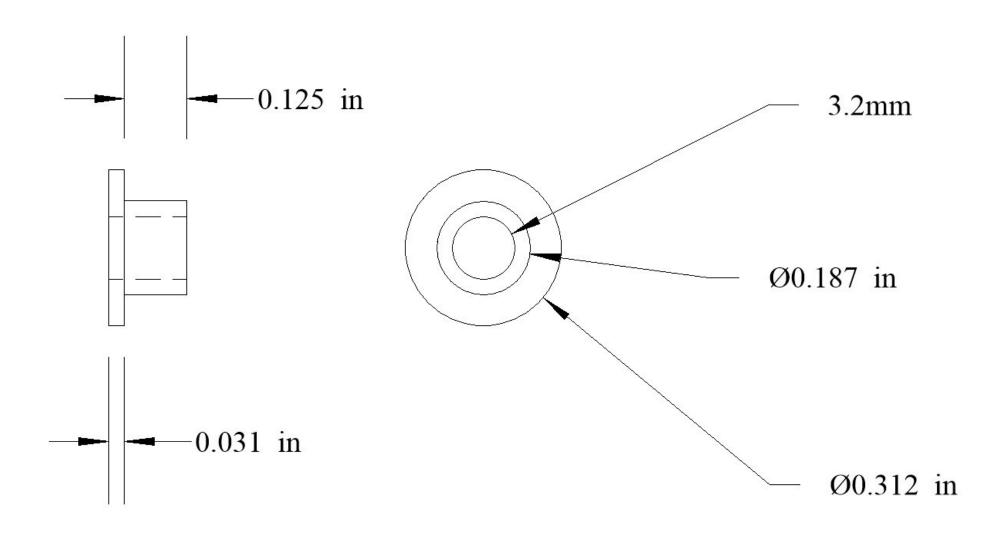


Frame Assembly

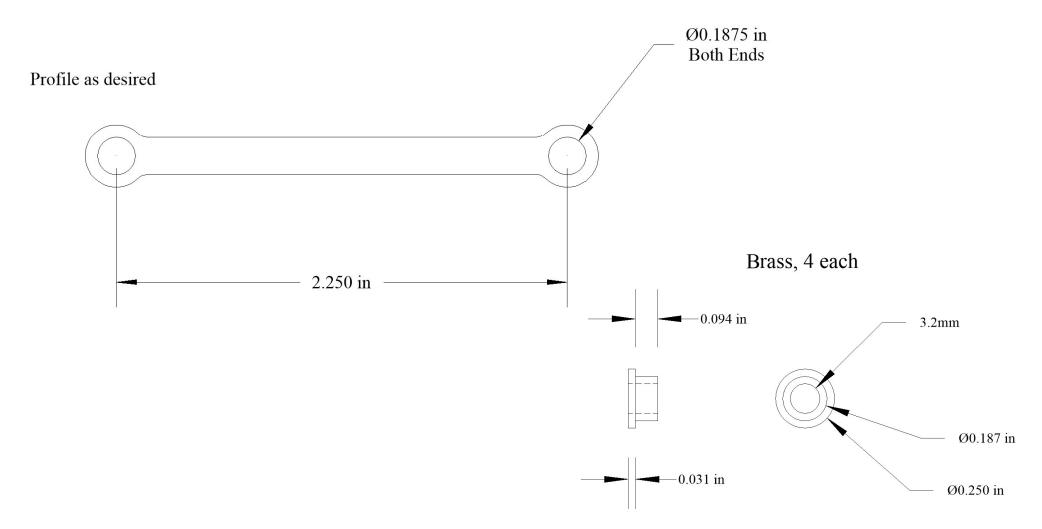


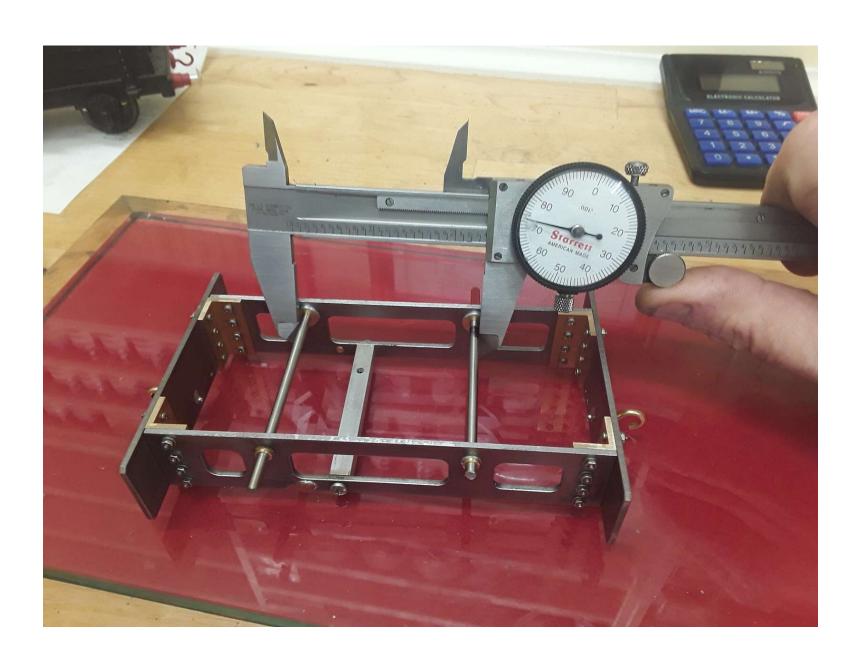
Main Bearings

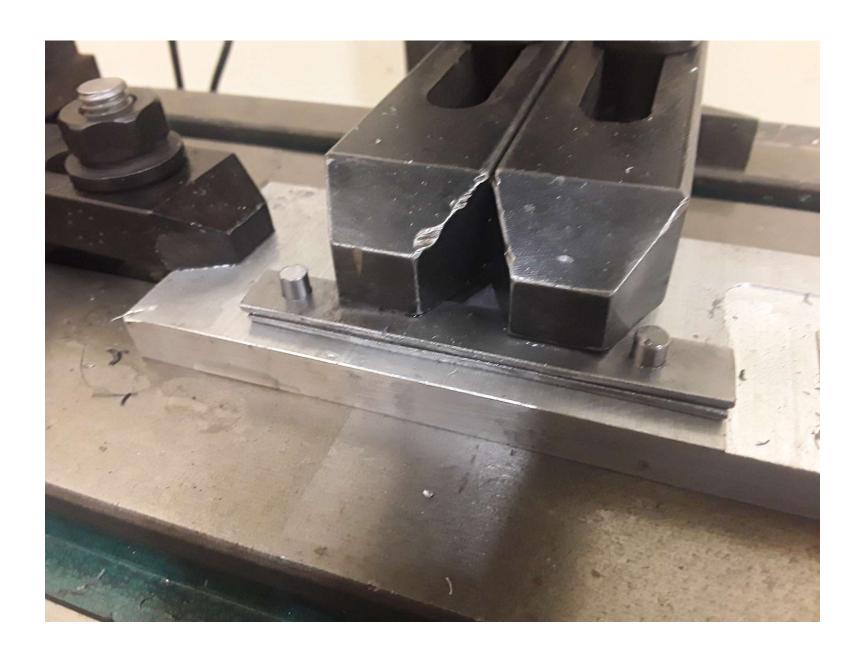
Brass, 4 each

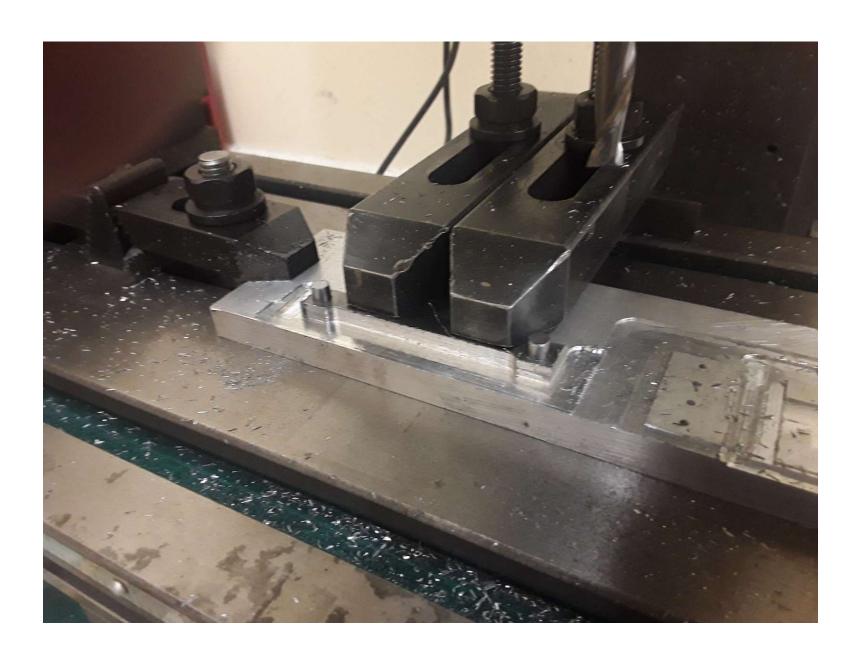


16 ga Steel, 2 each



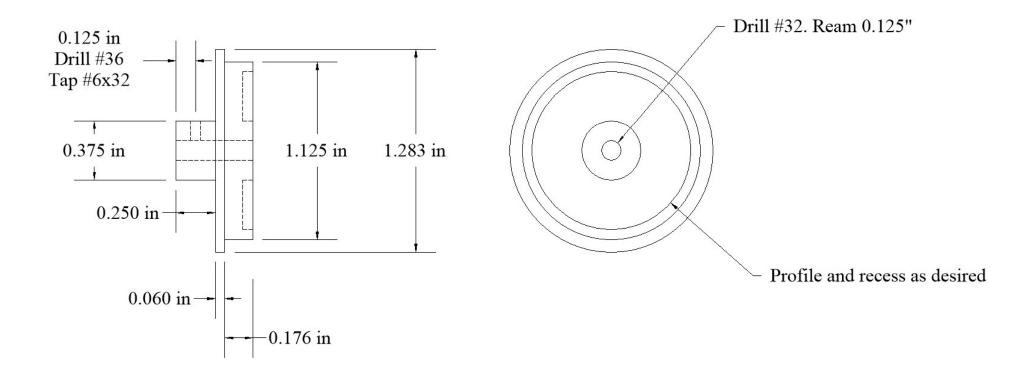




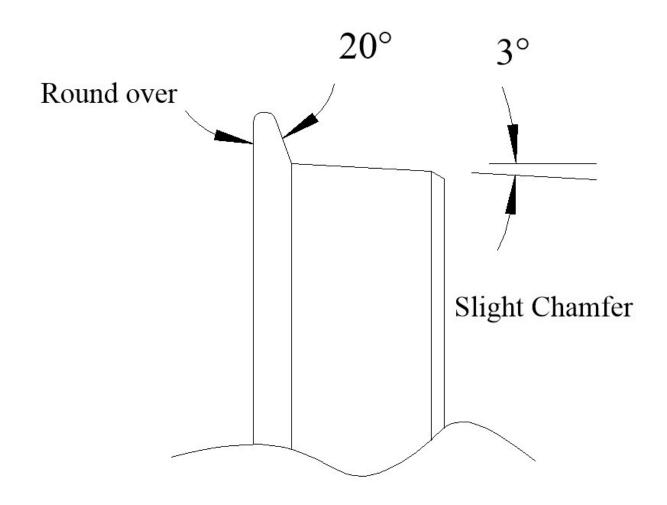


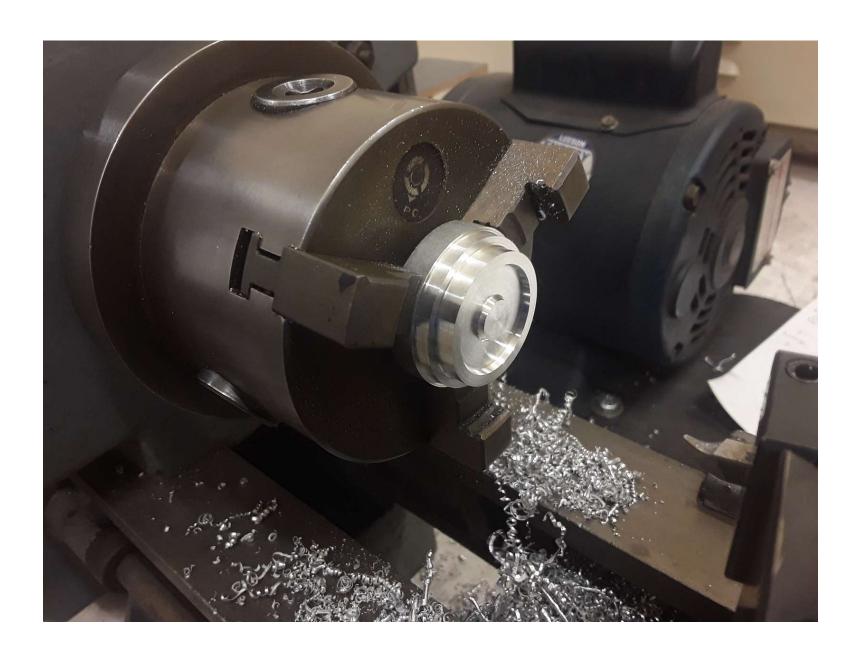


Wheel Blank, Aluminum, 4 each

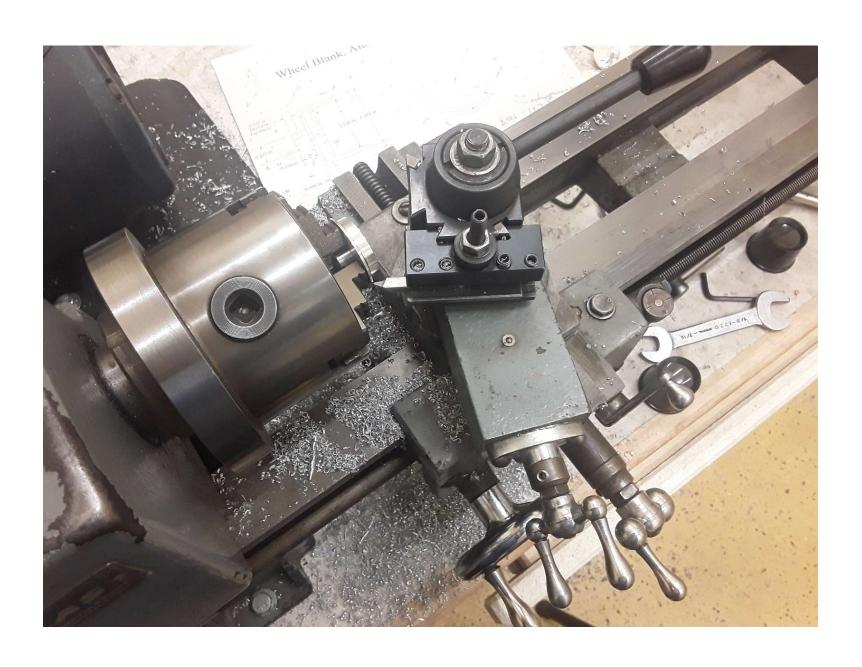


Wheel Profile





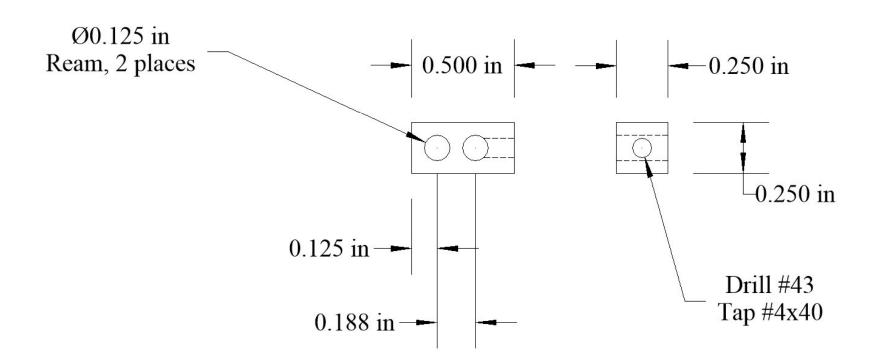






Wheel Cranks

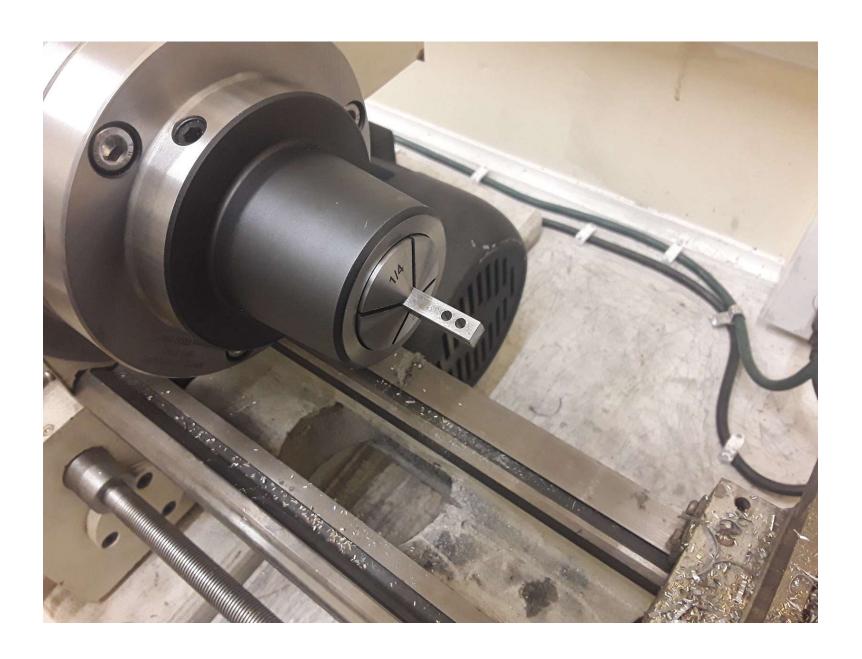
1/4" square steel or brass



Wheel Cranks



Wheel Cranks



Rolling Chassis



Collets

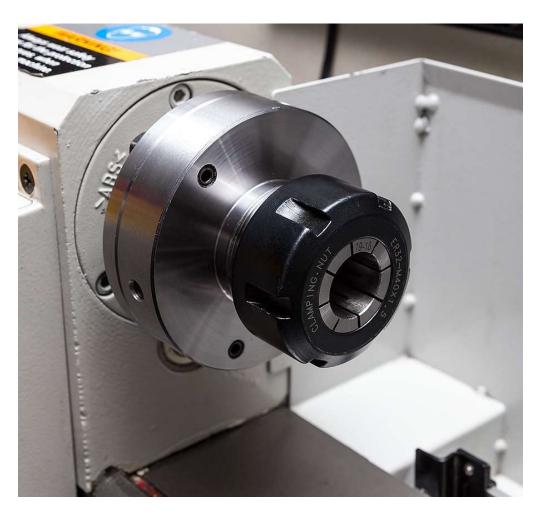
A side quest

Collets, 5C



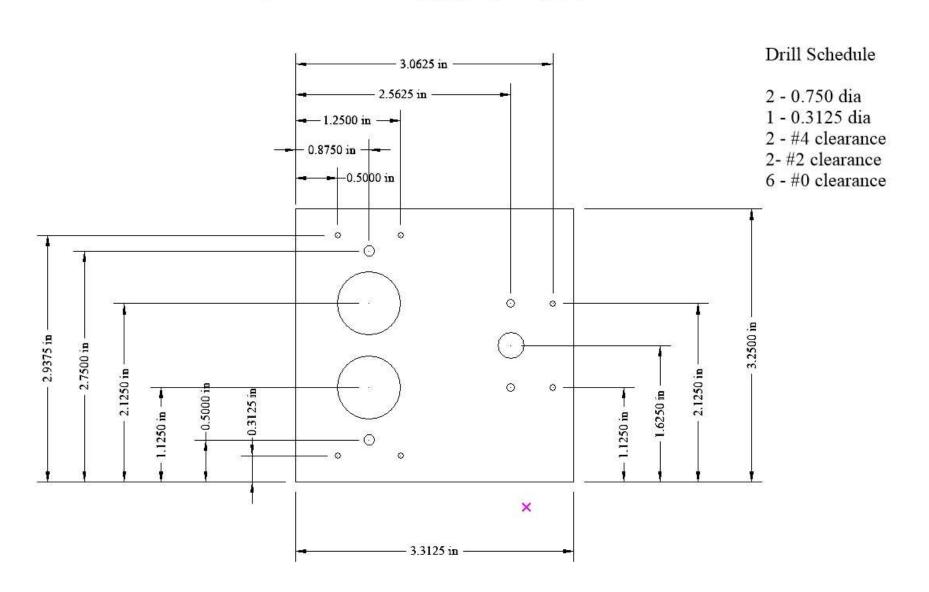
Collets, ER



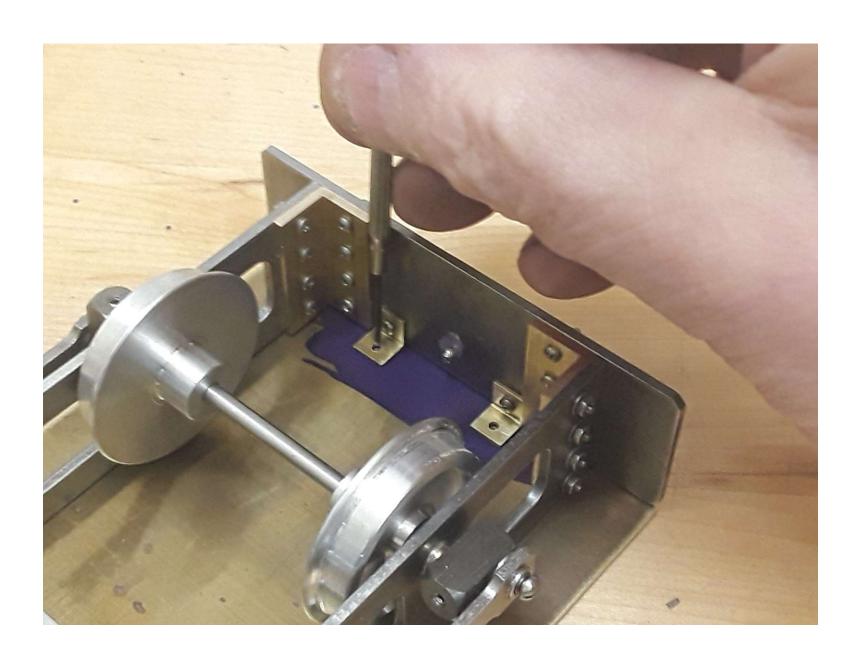


Foot Plate

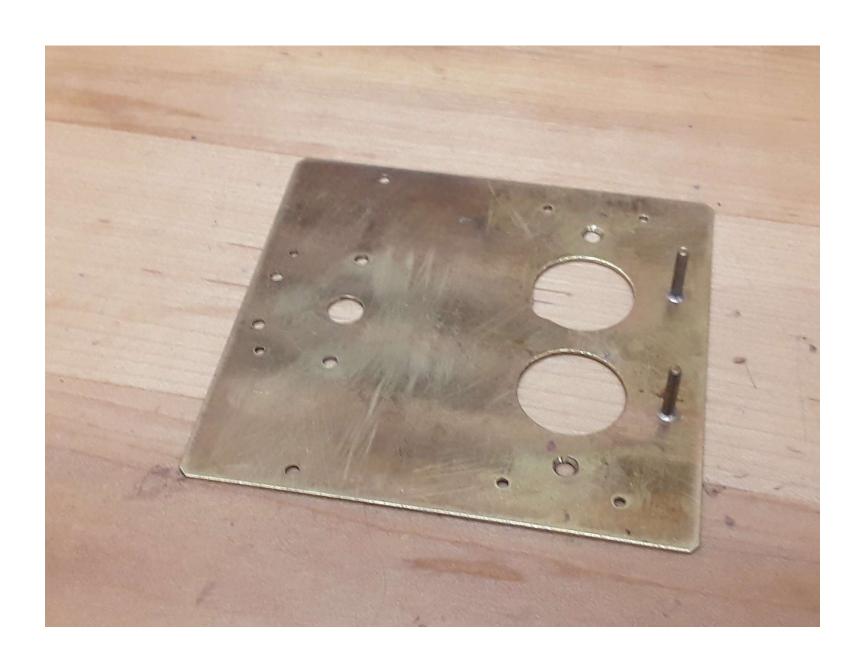
0.031" Brass or Steel



Foot Plate

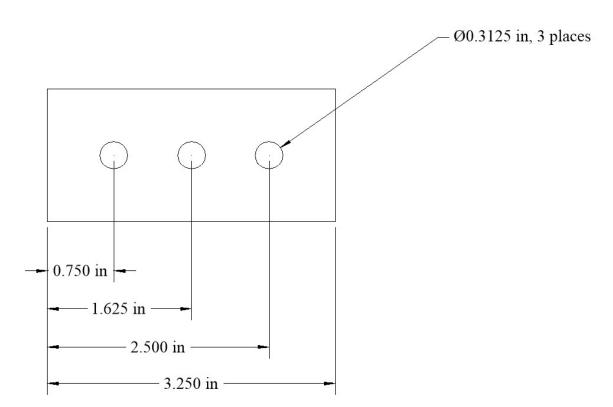


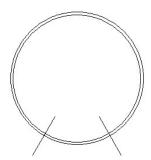
Foot Plate



Boiler Shell

1.5" OD, 0.031" Wall Copper tube



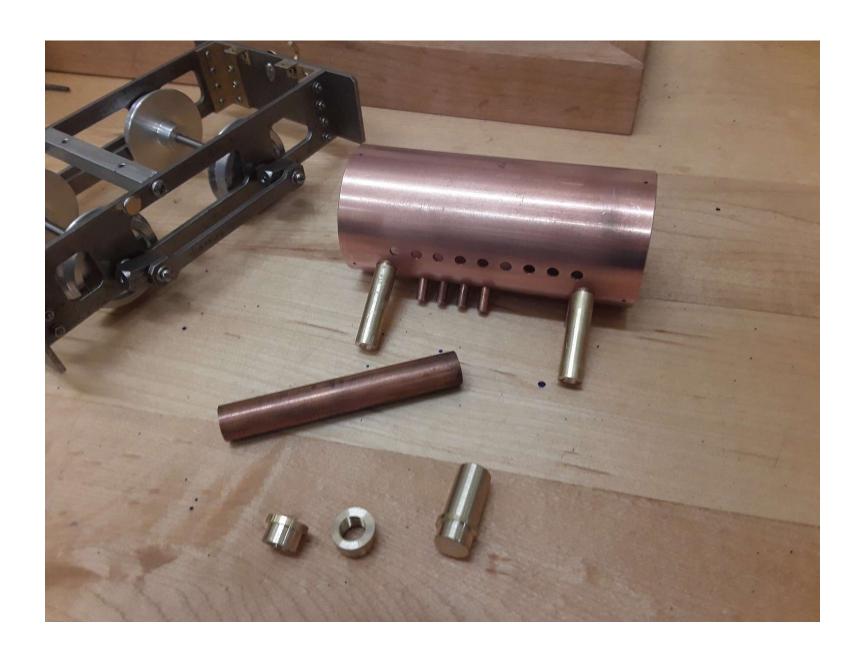


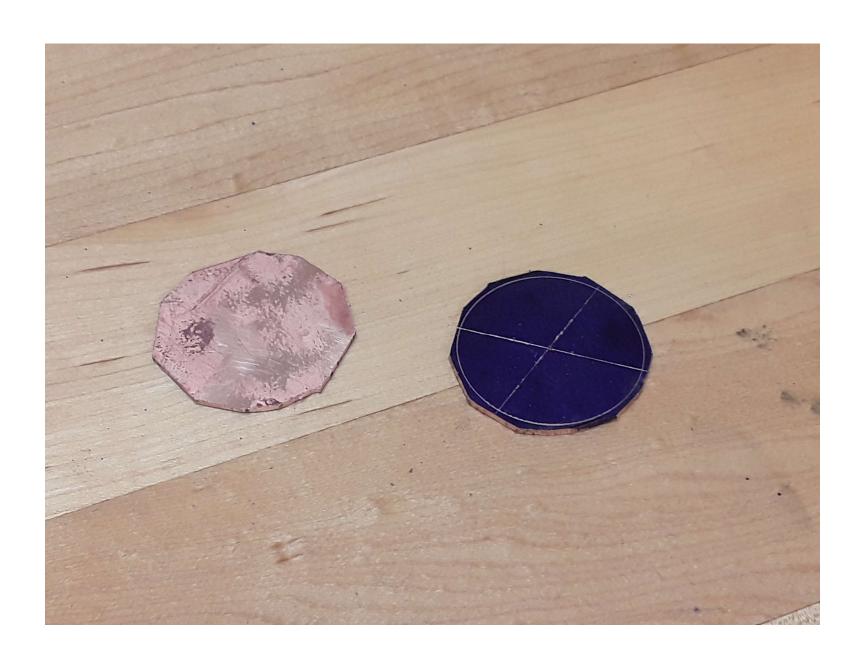
Along bottom of boiler shell, solder 2 rows of 9 "porcupine" from 1/8" dia copper rods, 1/2" long, spaced 1/4" apart

Boiler Shell

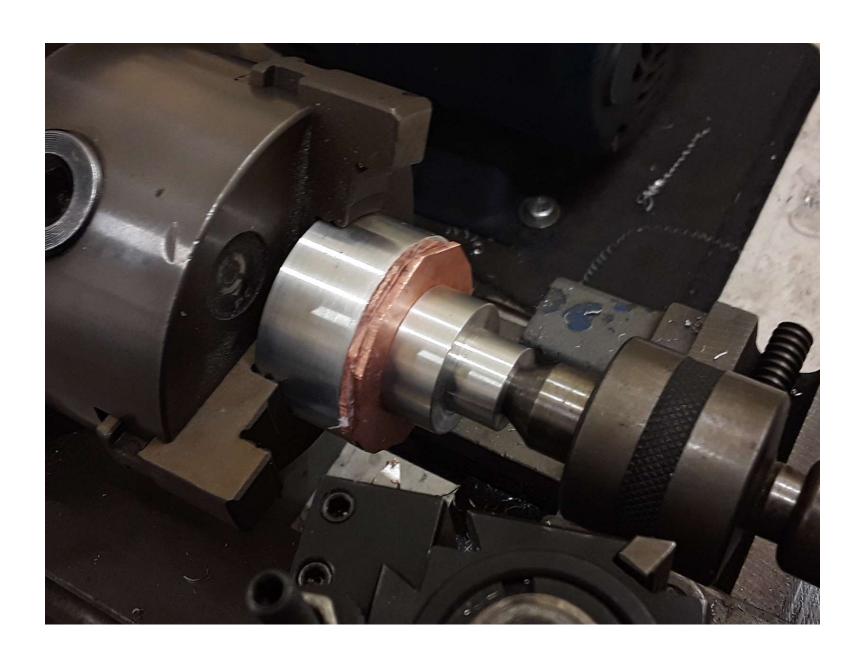


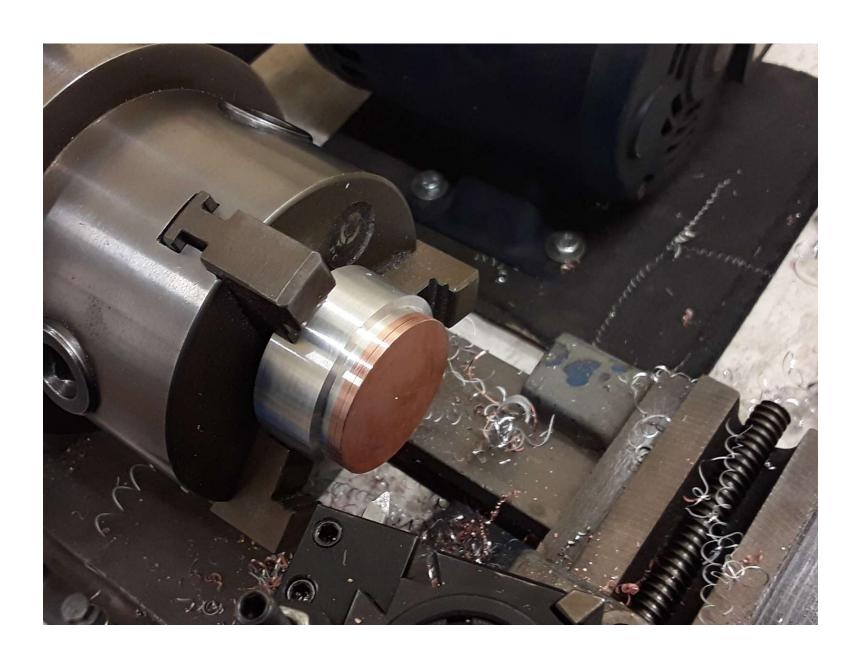
Boiler Bushings



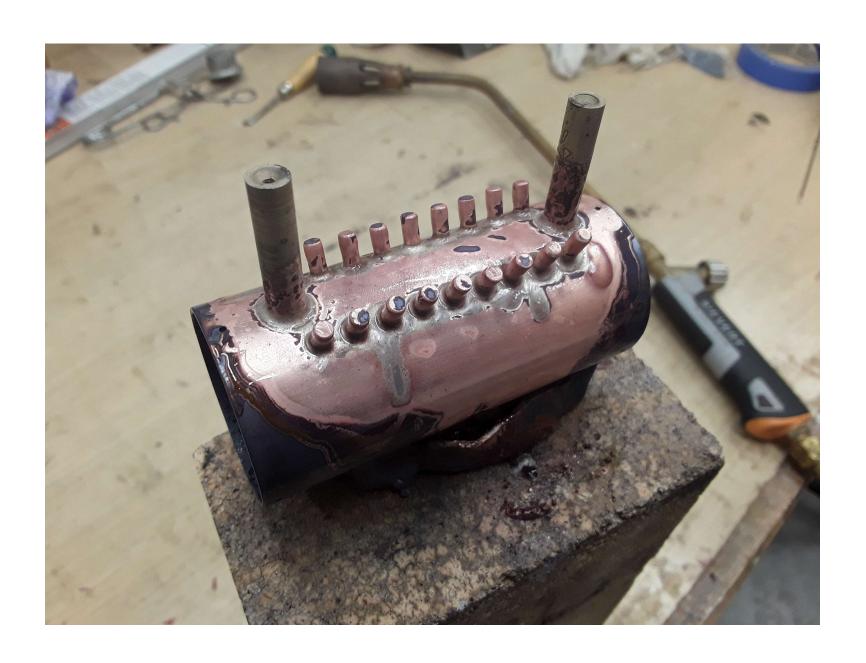








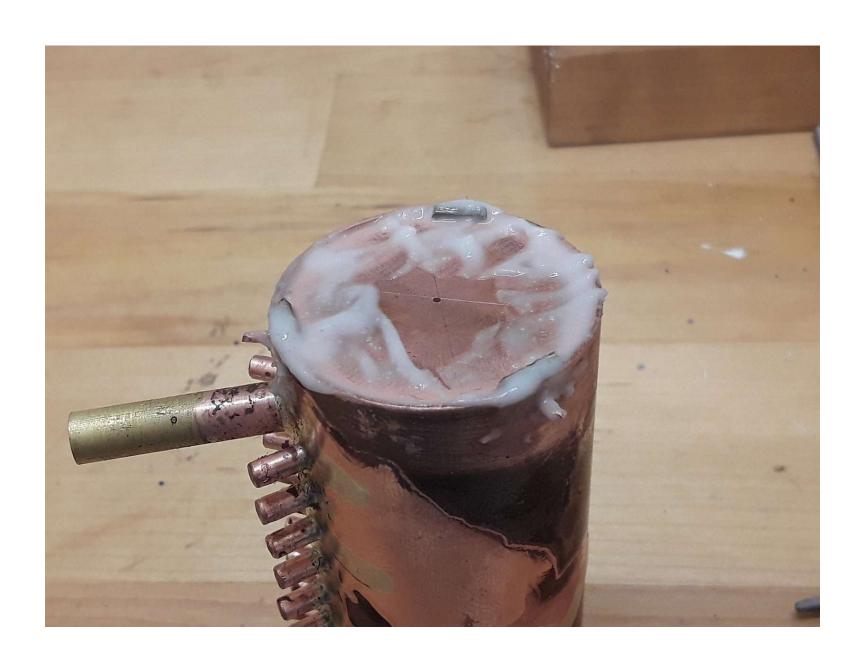
Boiler Soldering



Boiler Soldering



Boiler Soldering



Boiler Test



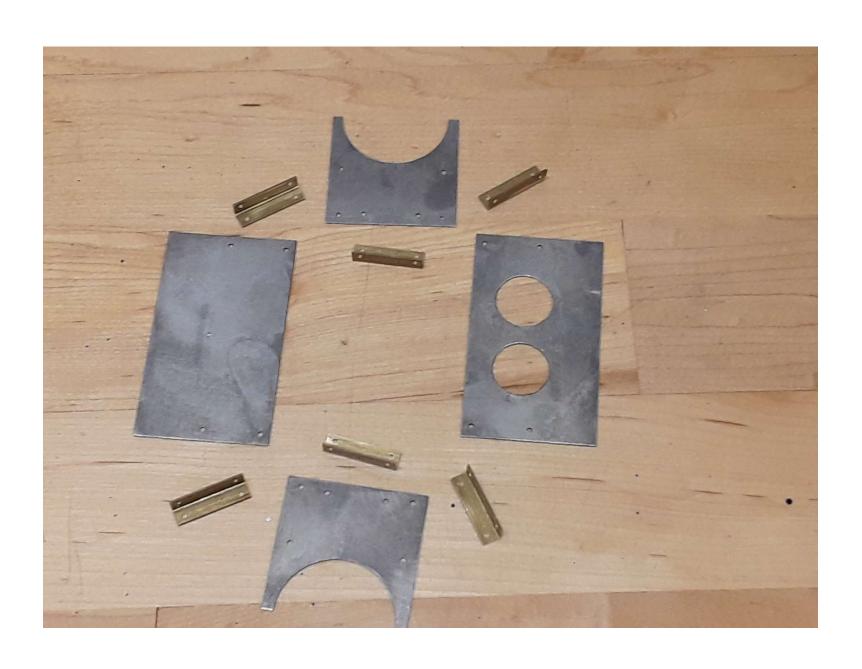
Boiler Test



Boiler Test



Fire Box



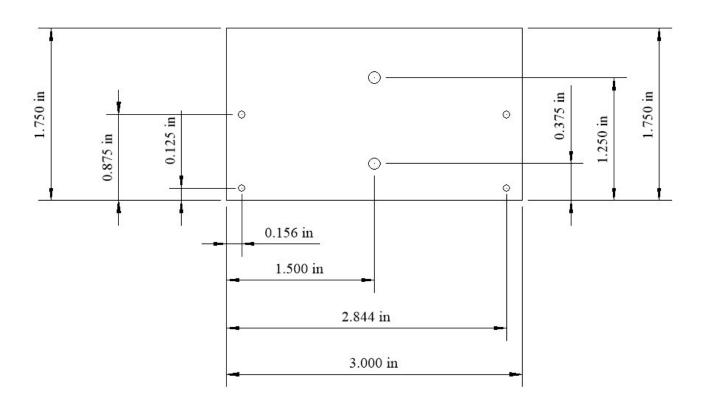
Fire Box

0.025" Brass or Steel

Drill Schedule

2 - #4 clearance

4 - #0 clearance

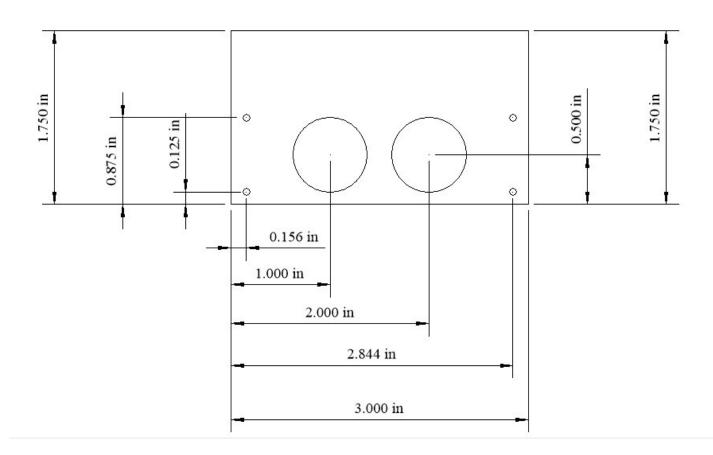


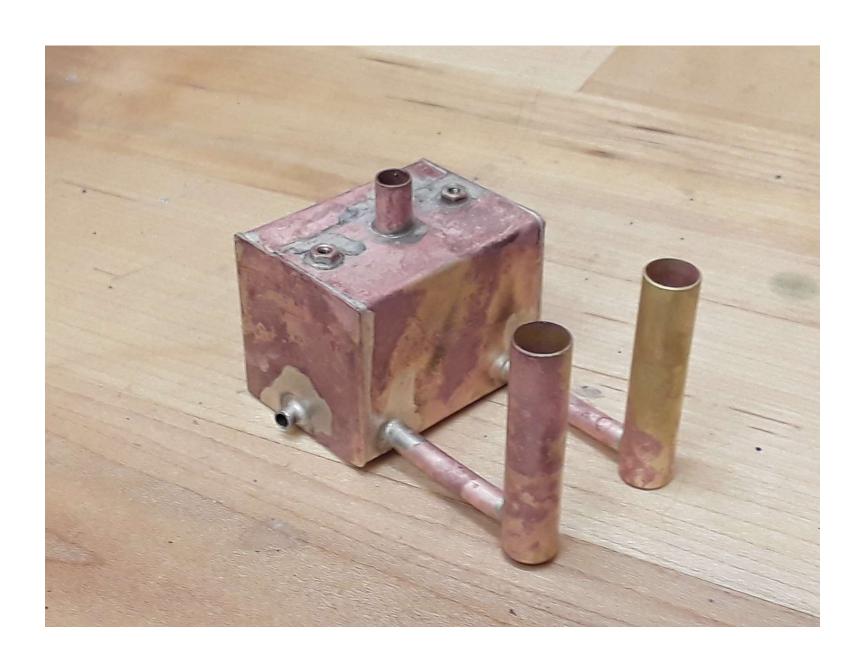
Fire Box

0.025" Brass or Steel

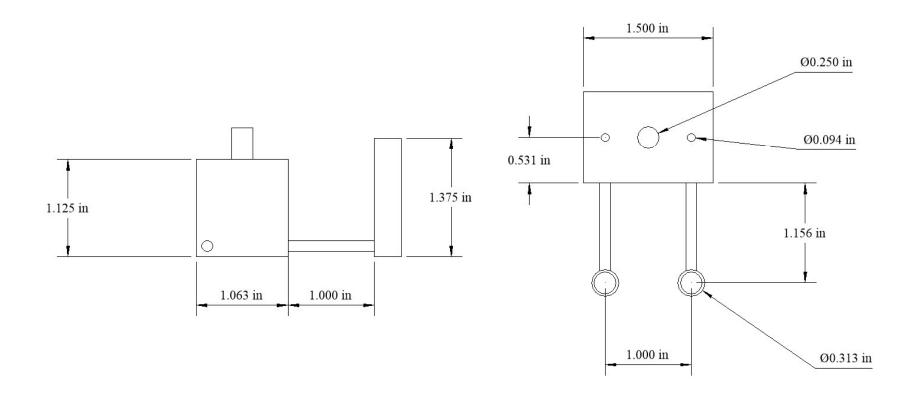
Drill Schedule

- 2 0.750 dia
- 4 #0 clearance

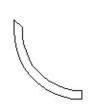




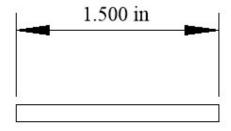
Fuel Tank, 0.025" thick Brass and silver solder fabrication



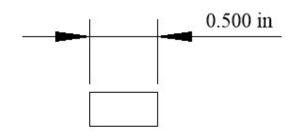
Fuel Tank Parts, Brass and Silver Solder Fabrication



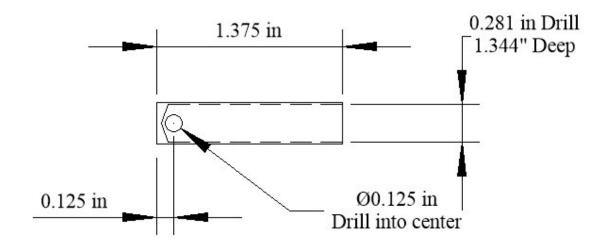
Overflow tube 1/8 copper tube bend and angle top to fit



Fuel Line, 2 each 1/8" dia Brass Tube



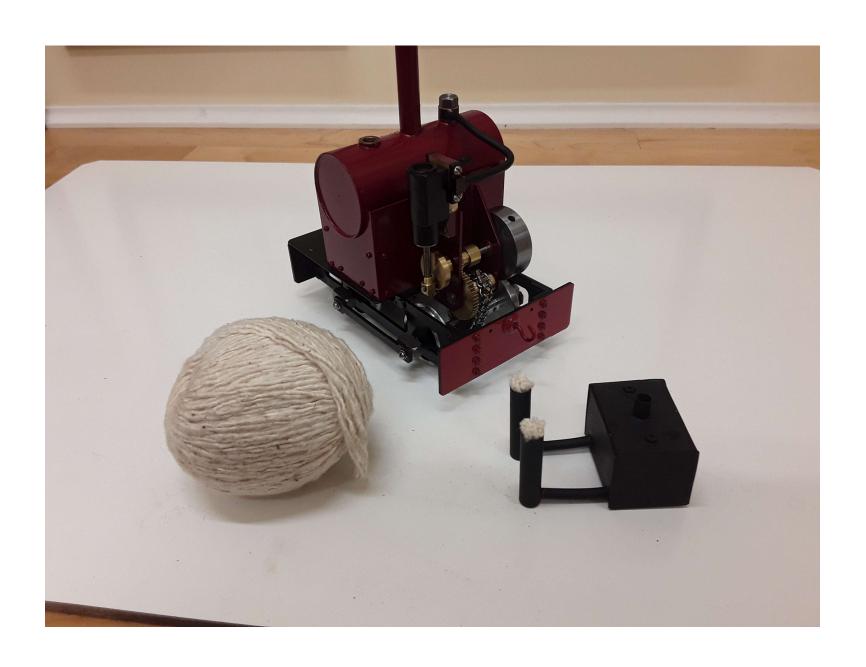
Filler tube 1/4" dia brass tube



Burner Pot, 2 each .3125" dia Brass

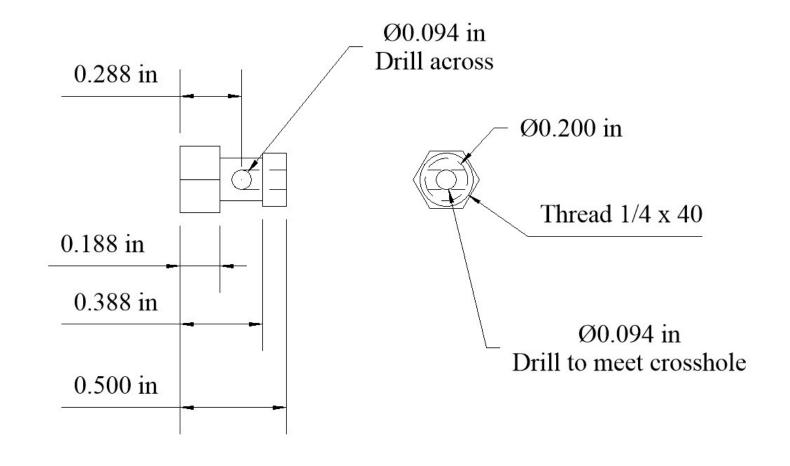




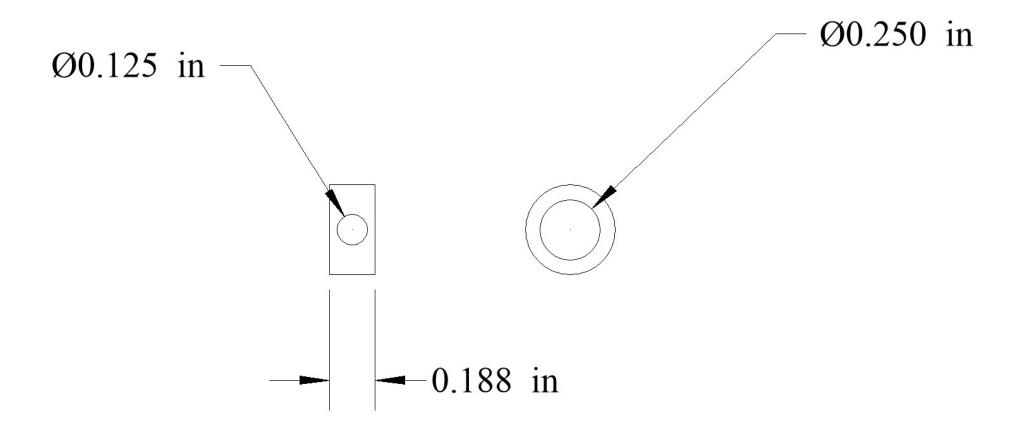


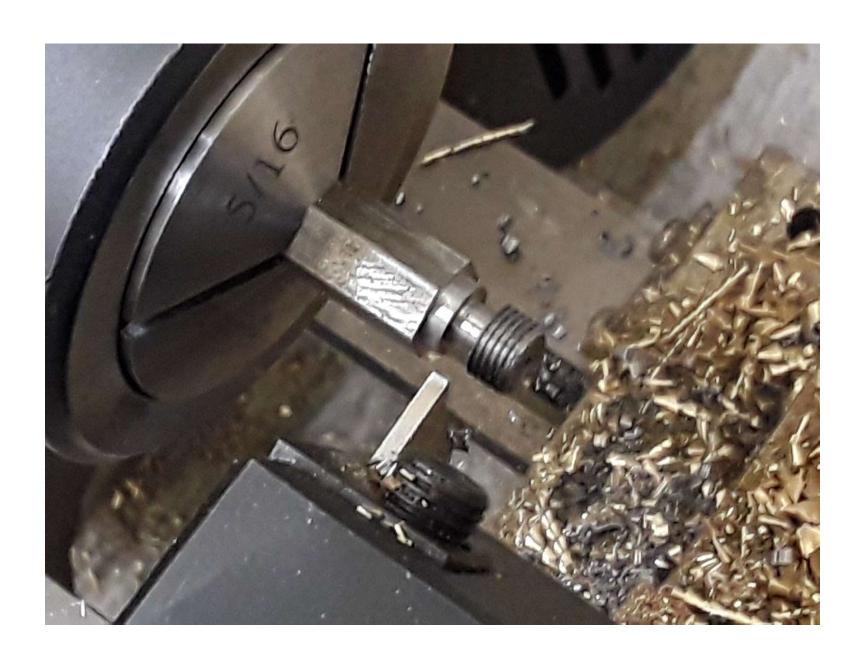


Banjo Bolt, 5/16" Hex Brass or Stainless

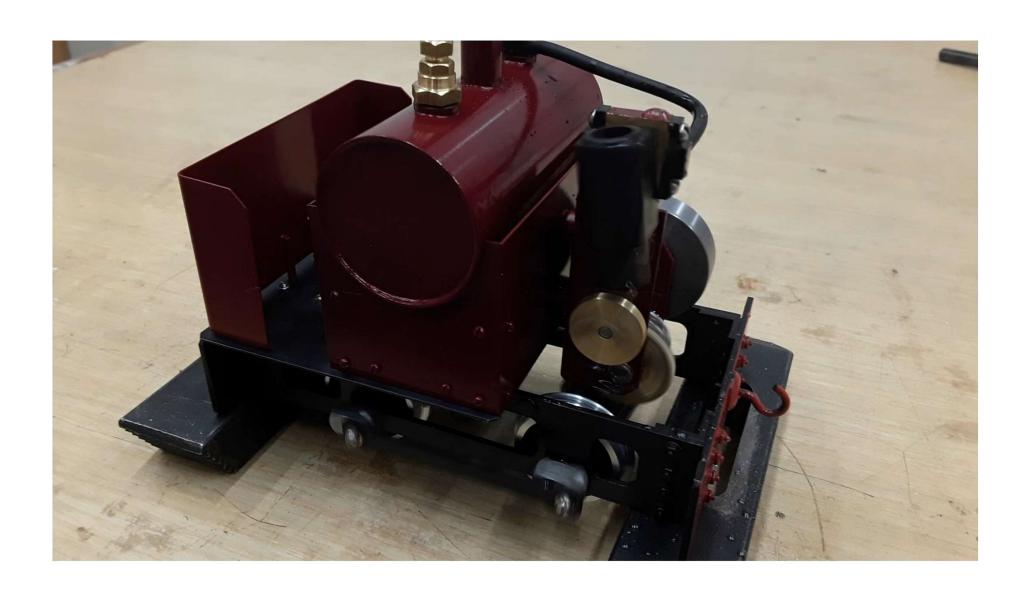


Banjo Fitting, 3/8" dia Brass





Bench Test on Steam



Questions?