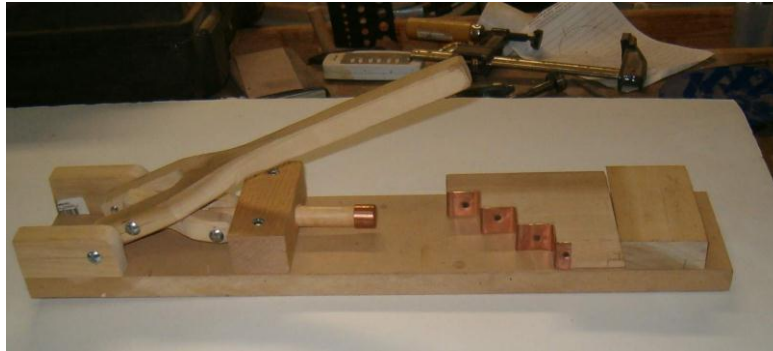
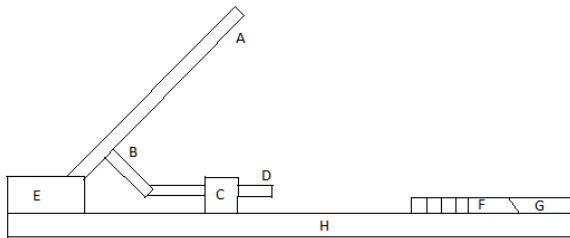


Pen press

By Ian Manley

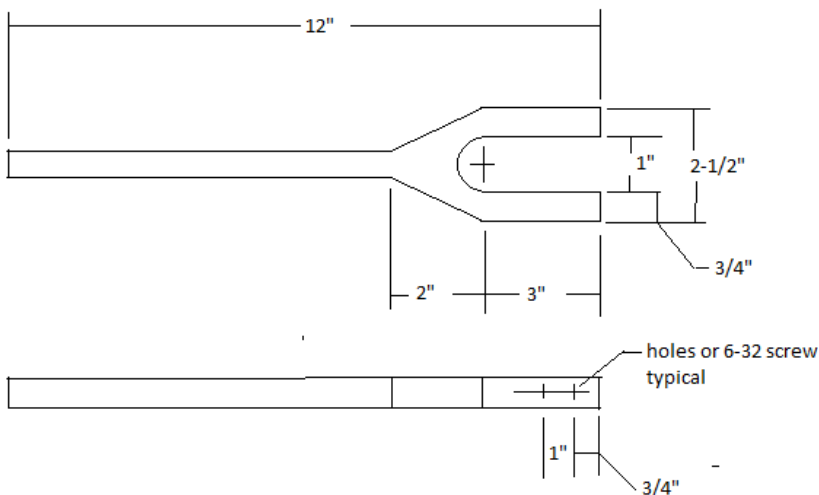


This is a fairly simple pen press. Mostly made from $\frac{3}{4}$ poplar and a base of $\frac{3}{4}$ MDF.

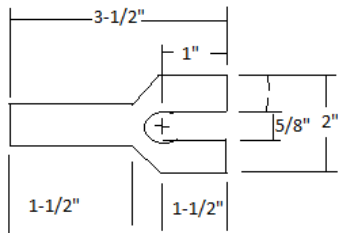


This line drawing shows the parts of the press.

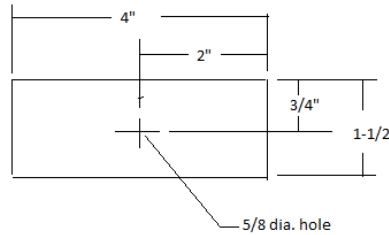
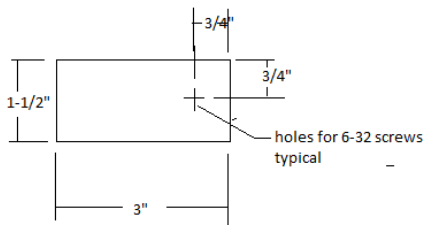
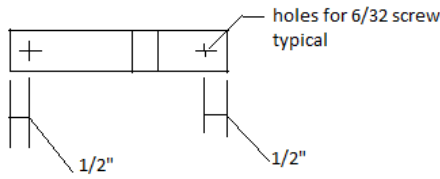
- | | | |
|--------------------|--|------------|
| A. Handle yoke | $\frac{3}{4}$ x 2 $\frac{1}{2}$ x 12 poplar | |
| B. Link yoke | $\frac{3}{4}$ x 2 x 3 $\frac{1}{2}$ poplar | |
| C. Middle block | 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ x 4 poplar | |
| D. Push rod | $\frac{5}{8}$ x 5 dowel | |
| E. Yoke supports | $\frac{3}{4}$ x 1 $\frac{1}{2}$ x 3 poplar | 2 required |
| F. Adjustable stop | $\frac{3}{4}$ x 4 x 5 poplar | |
| G. Fixed stop | $\frac{3}{4}$ x 2 $\frac{1}{2}$ x 4 poplar | |
| H. Baseboard | $\frac{3}{4}$ x 4 x 19 $\frac{1}{2}$ poplar | |



Handle yoke made from $\frac{3}{4}$ poplar,
round all edges for clearance and
better feel

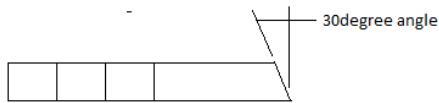
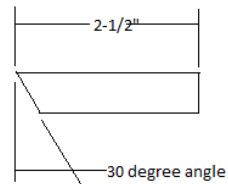
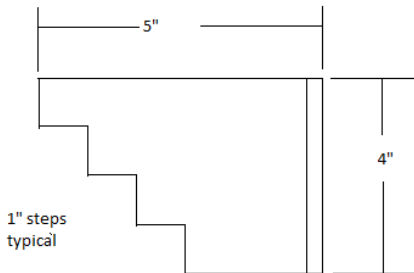


Link yoke , 3/4" poplar round all edges for clearance



Yoke support (part E) make 2
Round top front corner for clearance

Middle block (part C) 5/8 hole thru middle of
used 1 1/2 baluster stock for this piece.



Adjustable stop and fixed stop are both 3/4 poplar. The steps are cut in 1" increments.

The angle is 30 degrees stop the pieces from riding up on each other.

A strip of copper or aluminum flashing should be added to the stepped edge of the adjustable stop to stop the pen parts from digging in.

Assembly

1. Attach the yoke supports (part E) to the base board (part H)
2. Attach the handle yoke (part A) to the yoke supports with 6-32 x 1 ½ screws and nuts may have countersink nuts for clearance.
3. Attach link yoke (part B) to handle yoke with 6-32 x 2 ½ screw and nut.
4. Attach push rod (part D) to link yoke with 6-32 x 2 screw and nut.
5. Put middle block (part C) over push rod and secure middle block to base board
7" to center of block from left edge of baseboard. ½" plumbing cap is used over end of push rod.
6. Attach fixed stop (part G) to right end of baseboard.

The operation of this press is pretty straight forward, move the adjustable stop (part F) to the desired length with the press handle in the raised position. Hold the parts to be joined between the push rod and adjustable stop and slowly lower handle until pieces mate together.