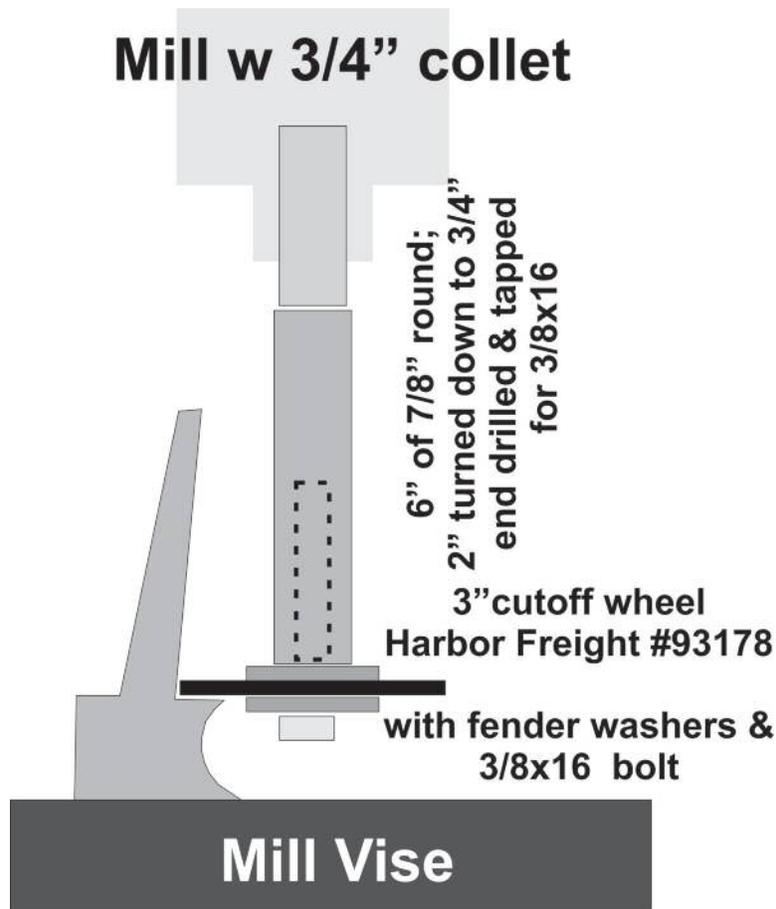


Arbor For Squaring Shoulders of Hidden Tang Blades



This item allows the absolute squaring of shoulders for seating the guards on hidden tang blades. While it can be used for establishing the shoulders before heat treating, it can also be used to square things up after heat treating,

The arbor is simply a piece of 7/8" round stock with one end turned down to 3/4" (the largest R8 collet I have). The other was faced and drilled/tapped for a 3/8 x 16 bolt. Add a couple of fender washers and a 3" cutoff wheel and you're good to go.

Eyeball the shoulders and the edge of the wheel until parallel. You then **very** carefully run the wheel over one of the shoulders until it is all flat (don't forget to leave a bit of curve at the tang/shoulder point to avoid stress fracture). Run the wheel around to the other side and repeat. You get precisely flat and parallel shoulders.

Now why I didn't think of this 20 years ago.....

Steve Bloom, Ironflower Forge