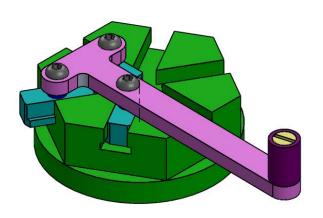
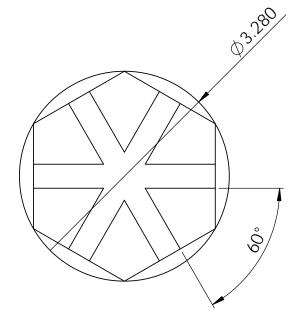
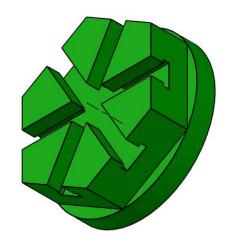


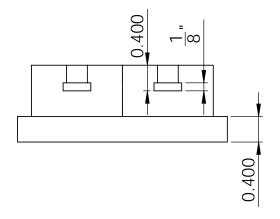
## **Kentucky Do Nothing**

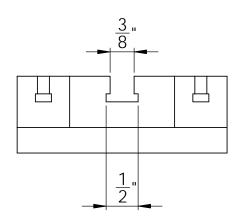
Plans: Martin Kennedy Build: Jennifer Tucker August 2014



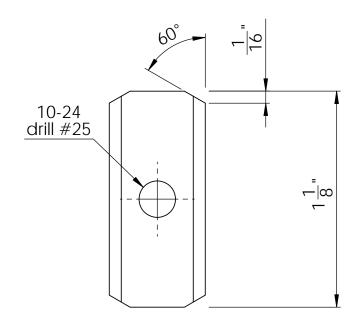


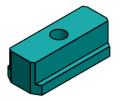




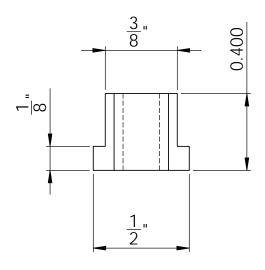


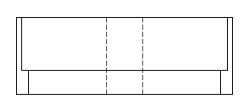
SHEET 2 OF 8

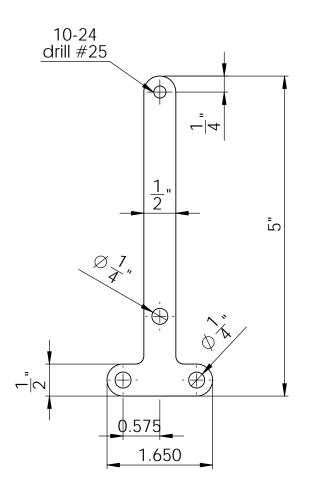


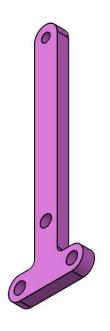


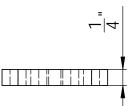
SCALE 1:1

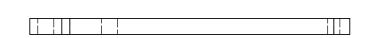


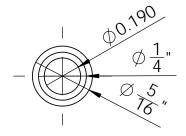






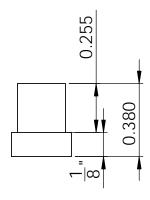


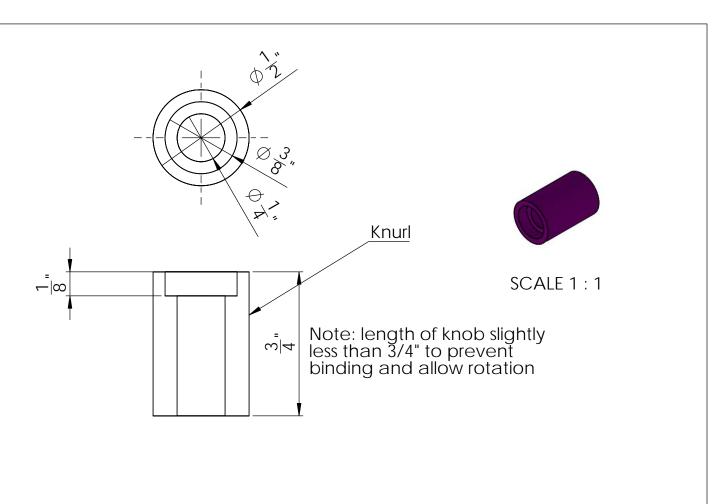


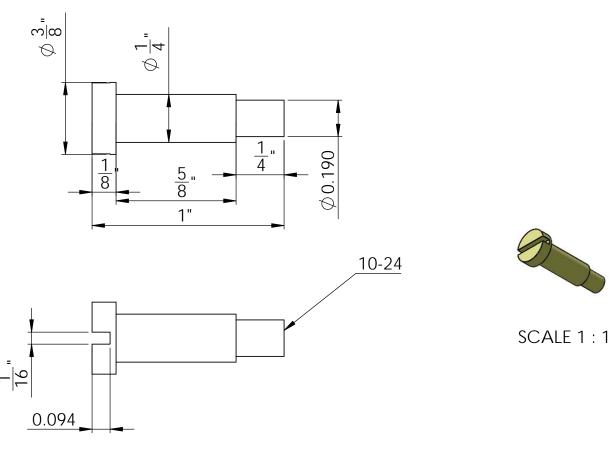




**SCALE 1:1** 







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SIZE FILE NAME Kentucky Do-Nothing

SCALE 2:1 Knob SHEET 6 OF 8

REV.

## Notes:

1) Design shows T-slot for sliders. Could also use dovetail.

Critical that slider is made in close tolerance to slot. Problem is that slop translates into rotational component of movement, and slider will hit opposite point when sliding across middle gap in base.

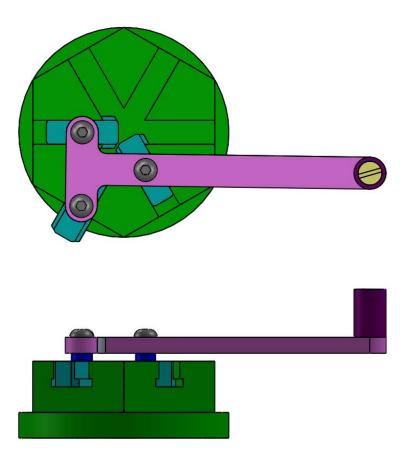
3) Potential design change to lessen impact of above is to have larger diameter base (and longer sliders), and/or smaller width slider gap in base (which narrows width of center gap). This will lessen unsupported length across middle gap in base.

4) Screws are 10-24 x 3/4

5) Clearance between sliders is only about 0.035". Precision fabrication required!

6) Mechanism may bind somewhat on first assembly. Oiling and working mechanism will smooth action. If binds are more significant, may need to sand bottom of sliders or file corners on base and sliders slightly.

7) Materials selected mostly because I had them already. Base: 4140 steel, Sliders: Brass, Handle: Aluminum, Knob: 360 stainless, Knob Screw: 4140 steel, Bushings: 4140 steel. Note that 4140 is difficult to machine!







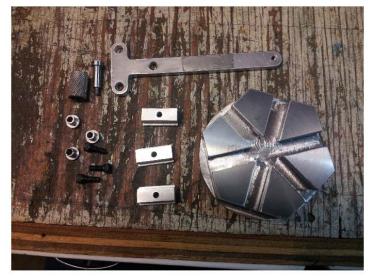
Cutting Slots w/High-Speed CNC Toolpath



**Cutting T-Slots** 



Making Sliders (Remade Later in Brass)



**Completed Parts** 



Parkerizing Base

## PROPRIETARY AND CONFIDENTIAL