Making your own carving stand

By Patrick Hoggard

Materials List, Unit of Measure = Inches

- 1 - 2 x 2 x 5 Blank, Threaded Ball Hitch
- 1 - 3 x 3 x 3 Blank, Ball Hitch Base
- 1 - 4 x 12 x 3/4 Base
- 2 - 2 x 6 x ¾, Uprights
- 1 - 1/2 x 1 1/2 x 4 Blank
- 1 - 7/8 x 2 x 3/4
- 5/16 x 4" Carriage Bolt, Washer and Nut
- 1/4 x 4 1/2 Carriage Bolt, Washer and Nut
- 5 - 1 1/2 Pocket Hole Screws

Mount the 2 x 2 blank in the chuck and turn a tenon 1 inch long by 1 1/4 inch diameter and thread the tenon with a [Beal] 1 1/4 x 8 TPI die.





Mount a 1 7/8 x 2 x ¾ block of wood, turn top profile, and drill a 1 1/8" hole; then thread with a [Beal] 1 1/4 x 8 TPI tap.





Screw the blank into the block and turn a sphere on the end.





For the 2 x 6 x 3/4 uprights, measure from the top 1 inch down. Remove 2 jaws from the chuck and mount the upright and turn a shallow cove. Repeat for the second one.









Turn the cove to match the sphere. Measure down from the top 2 1/2 inches from the top and drill a 5/16 inch hole in both uprights for the clamping bolt. Round the top of the uprights.



Mount the 1 1/2 x 1 1/2 x 4 inch blank and turn a 1 inch dowel 3 1/2 inches long. Mount the 1 7/8 x 2x 3/4 blank in the chuck and drill a 1 inch hole 1/4 inch deep in the center. Drill 3/16 inch hole all the way through.



For the 4 x 12 x 3/4 base, measure 1 inch in from the end, drill a 1 inch hole in the center. Measure 3 1/2 inches from the same end and draw line across. Measure 3/4 inch on each side of line you just drew and draw a line across each one. Mark out 4 equal segments between the two outer lines. Take the base to the band saw a cut down the center line.



Fit the 2 pieces together and mark the center of the hinge and drill a 1/4 inch hole all the way through.

Cut out every other segment on the long piece; cut the opposite two segments on the short piece. Sand or trim to get a snug fit.



Round over the ends of the hinge so it swivels up and down.



Drill and tap a hole for a ¼ x 20 TPI screw in the end of the base where the 1 inch hole is to lock the dowel. Turn a small knob for the 1/4-20 screw and epoxy it on.



All that is left is assembly. Glue and screw the dowel into the hole on the 1 7/8 x 2 x 3/4 stand base. Insert the sphere in the coves of the uprights and insert the 5/16 x 4 carriage bolt through both uprights and install washer and nut, place the 1 7/8 x 2 x 3/4 piece at the bottom of the uprights and glue and screw together. Insert 1/4 x 4 1/2 inch bolt through the hinge and install washer and nut.

A demo on how to do this will be done on November 18, 2026, so mark your calendars!

Enjoy!





Nikki Kennedy



Brenda Thornton



Bill Lewis

Above, top: Pyrography version of the club logo finished with resin. **Above middle:** Blue anodized Slimline pen with mango wood. **Above bottom:** Dragon twist pen in resin.

