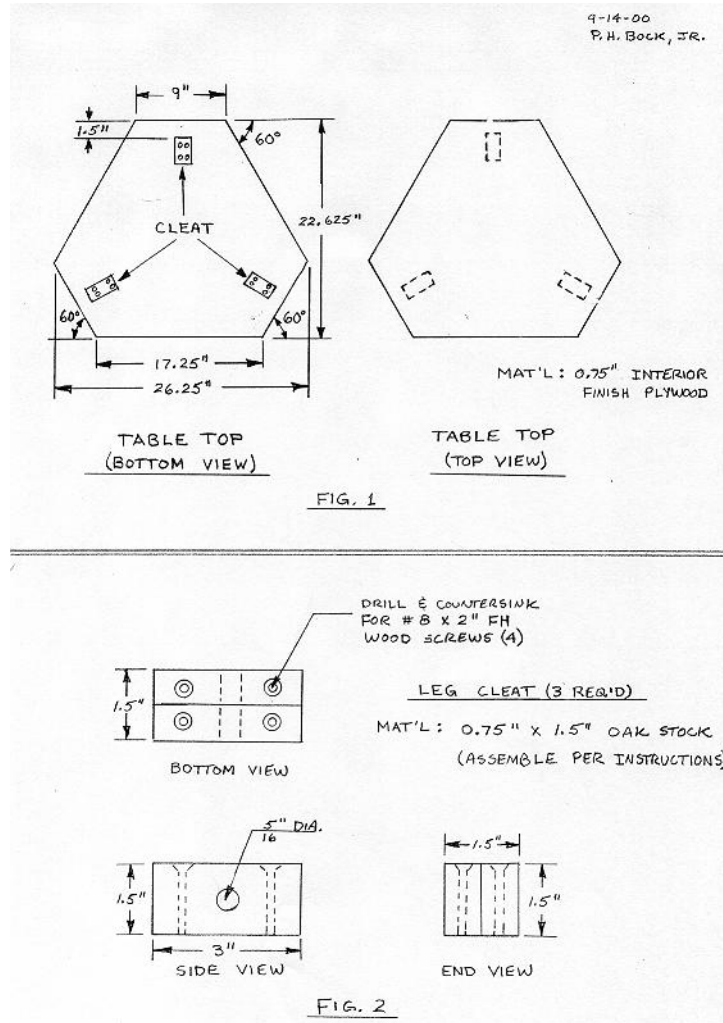


Instructions for Assembling a Q-Table

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Refer to the attached drawings, which are referenced in the instructions. A photograph can be seen at: <http://hometown.aol.com/phbjr/myhomepage/profile.html>

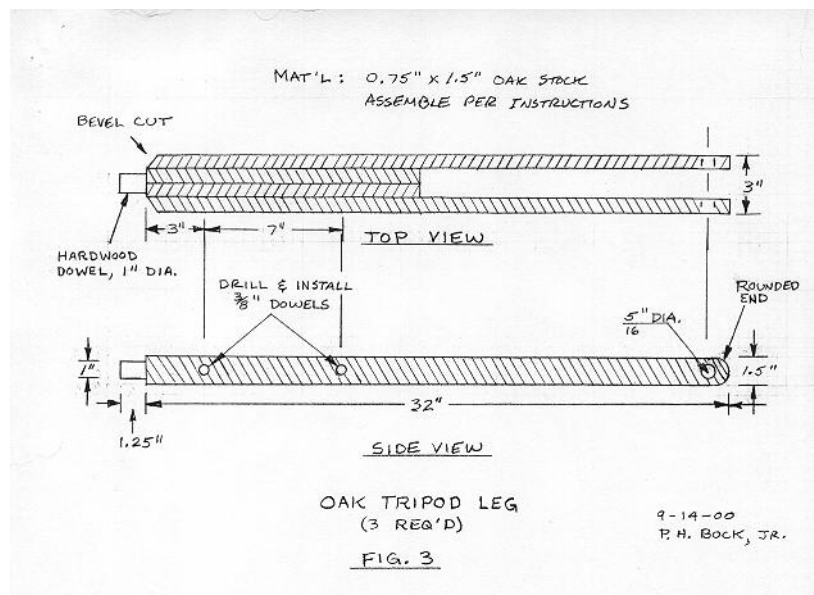


The tabletop is cut from a single piece of 24" x 30" plywood, $\frac{3}{4}$ " thick. The plywood should be good-quality interior grade, and a hardwood-faced plywood will make the nicest-looking table. Measure and mark carefully per the drawing and cut using a table saw (preferred), band saw, saber saw, or hand saw.

The leg cleats are constructed from 1-1/2" x $\frac{3}{4}$ " oak stock as follows:

1. Cut two 3" lengths of oak stock.
2. Glue the two lengths together to form a single block 1-1/2" x 1-1/2" x 3" long. Clamp and let dry for 12 hours.
3. Drill a $\frac{5}{16}$ " hole as shown in the drawing for the $\frac{5}{16}$ " mounting bolt.

4. Drill and countersink four 1 1/64" holes, as shown in the drawing, for #8 wood screws.
5. Position the cleat on the underside of the table top as shown in the drawing and mark the location of the four mounting holes.
6. Drill 3/32" pilot holes in the underside of the top at the four marked locations. **BE CAREFUL NOT TO DRILL ALL THE WAY THROUGH THE TOP!**
7. Spread carpenter's glue on the side of the cleat that will mate with the underside of the table top, set in position, and attach using four #8, 2"-long wood screws. Wipe off any excess glue.
8. Repeat for the remaining two cleats and allow to dry for 12 hours.



The legs are made from four lengths of 3/4" x 1- 1/2" oak which are assembled to form a laminated leg 3" wide and 1-1/2" thick. Before assembling the legs be sure to carefully examine the oak strips for signs of warping or bowing; it may be necessary to align and clamp the sections in two axes when gluing the strips together to ensure that the edges are even and there are no gaps between sections. Each leg is constructed as follows:

1. Cut two 32" lengths and two 12" lengths of the 1-1/2" x 3/4" oak stock.
2. Drill a 5/16" hole in one end of each of the 32" strips. The hole should be centered 5/8" from the end of each strip.
3. Using a belt sander or rasp & file, round the end of each 32" strip nearest the hole. Refer to the drawing for a view of the rounded end.
4. Firmly clamp the two 12" strips between the two 32" strips to form a leg as shown in the drawing. Make sure that all edges and ends are even and that the 12' strips are at the end of the assembly farthest from the rounded ends of the 32" strips.

5. Drill two 3/8" holes through the assembly as noted in the drawing.
6. Unclamp the assembly.
7. Coat all mating surfaces with glue, reassemble loosely, and install a glue-coated length of 3/8" hardwood dowel through the leg assembly at each of the holes drilled in step 5.
8. Re-clamp the assembly firmly, making certain that everything is properly aligned. Wipe off all excess glue with a damp cloth and allow to dry for 12 hours.
9. Repeat steps 1 through 8 for each leg.
10. After each leg is dry, remove the clamps.
11. If desired, use a band saw or hand saw to bevel the lower end of each leg as shown in the drawing.
12. Bore a 1" diameter hole in the bottom end of each leg.
13. Glue a length of 1" hardwood dowel into the bored hole of each leg. Allow the glue to dry for 12 hours.
14. After the glue has dried, cut off the dowel to a length of 1-1/4" as noted in the drawing.
15. Sand, stain and/or varnish (or paint) the legs as desired. Do not paint or varnish the inside surfaces of the open section of the leg where it will mate with the cleat when the leg mounting bolt is installed.
16. After the legs are dry, install a 1" rubber cap over the dowel in each leg.

Miscellaneous

Attach the legs using 5/8-16 x 3.5-inch long bolts w/flatwashers, lockwasher & wing nut. If desired, a screw eye can be installed in the center of the tabletop underside and small lengths of brass chain attached to each leg to keep them from being opened too far. Set the table perfectly level, set the legs for the desired tabletop height, then measure and install the chain. Decorative molding can also be applied to the edges of the tabletop to cover the "plywood edge."

