



## Project 18191EZ: Shaker Pedestal Table

*The general design of this lovely piece comes from a Shaker pedestal table made in Hancock, Massachusetts around 1840. It's a classic piece, one that's been copied many times, and we suspect that a hundred years from now it will still be popular. Ours is made from curly maple, although the original, like much Shaker furniture, was made from cherry.*

### Shaker Pedestal Table Materials List

Part	Description	Size	No. Req'd
A	Pedestal	3-1/2" x 3-1/2" x 17-5/8"	1
B	Leg	See detail.	3
C	Cleat	3/4" x 4-3/4" x 15"	1
D	Top	21" dia. x 3/4" thick	1





# Shaker Pedestal Table Step-by-Step Instructions

1. Purchase a 4" square by 18" long turning block.
2. Use a hand plane or band saw to cut about 3/4" from each corner of the block. **Note: Try to remove approximately the same amount of material from each corner to maintain balance of the piece as it turns on the lathe.**
3. Use a lathe to turn the block to the dimensions shown for Part A.
4. Use sandpaper ending in 220 grit to sand Part A before removing from the lathe.
5. Mark the location of the three dovetail pins 120 degrees apart on the bottom of Part A.
6. Clamp Part A in a vice and use a sharp chisel to chop out each pin. **Note: the pins are cut to 9/16" deep.**
7. Cut 3/4" stock to 5-1/2" wide by 15" long (Parts B).
8. Make the 45-degree angle end cut 3-1/2" from the corner as shown in the leg detail diagram.
9. Use a table saw set to 1/16" deep to make a 45-degree angle cut parallel to the end cut on both sides of Parts B.
10. Transfer the curved profile from the drawing to one of the legs.
11. Use a band or saber saw to cut the shape just outside the line.
12. Use a file and sandpaper to smooth the leg.
13. Use the finished leg as a template to scribe on the other two legs.
14. Lay out the dovetail on each leg (see detail: leg dovetail).
15. Use a chisel to cut the dovetail sides and the undercut as shown. **Note: check to make sure the dovetails fit snugly in the pedestal pins as you go.**
16. Sand the legs thoroughly.
17. Use glue to attach the legs to the pedestal and allow to dry completely.
18. Cut Part C to size from 3/4" stock.
19. Use a hand plane to add a taper on each end as shown in the front elevation view.
20. Use a drill press with a hole cutter to bore the 1-1/2" diameter hole through the center of Part C. **Note: Cut a trial hole in scrap stock to make sure the hole will fit snugly on the pedestal tenon.**
21. Apply glue to the hole in Part C and the pedestal tenon and attach both parts, allowing them to dry completely.

22. Edge glue two or more pieces of stock to a dimension wider and longer than required for Part D.
23. Scribe a 21" diameter circle on the stock. **Note: a homemade compass will be necessary. Drill a hole big enough for a pencil on one end of a thin strip of scrap stock about 2' long. Drive a small finishing nail 10-1/2" from the hole to serve as the pivot.**
24. Use a band or saber saw to cut the scribed circle.
25. Use a file and sandpaper to smooth the edge.
26. Final sand all parts.
27. Apply two or three coats of a penetrating oil finish and allow to dry.
28. Use 1-1/4" by #8 flat head wood screws to attach the top as shown.

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