

Project 11819EZ: Chest of Drawers

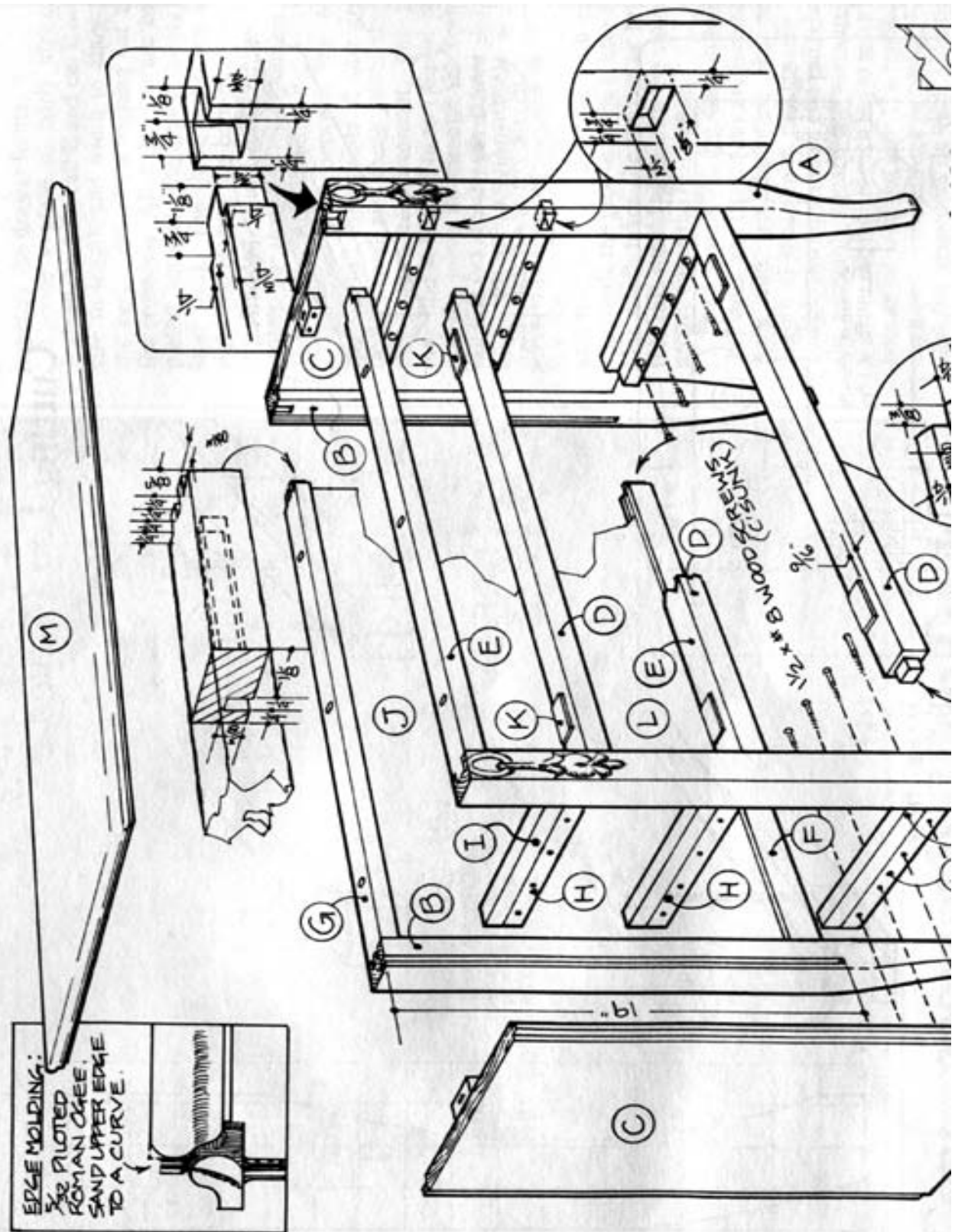
This small chest of drawers, made from pine, is a fairly typical example of Danish country furniture from the early part of this century.



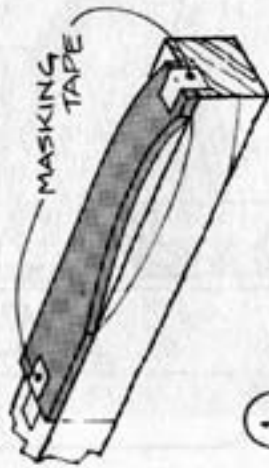
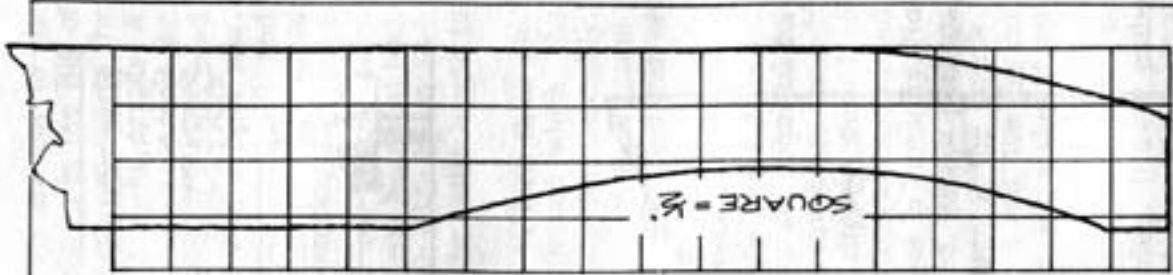
Chest of Drawers Materials List

Part	Description	Size	No. Req'd
A	Font Leg	1-5/8" x 1-5/8" x 28-1/4"	2
B	Back Leg	1-5/8" x 1-5/8" x 28-1/4"	2
C	Side	3/4" x 13" x 19"	2
D	Divider	3/4" x 1-5/8" x 22-1/2"	3
E	Top Divider	3/4" x 1-5/8" x 22-1/2"	1
F	Lower Back Frame	3/4" x 1-1/2" x 21-3/4"	1
G	Upper Back Frame	3/4" x 1-5/8" x 21-3/4"	1
H	Drawer Support	3/4" x 1-1/2" x 10"	6
I	Drawer Guide	3/4" x 7/8" 10"	6
J	Back	1/4" x 21-5/16" x 17-7/16"	1
K	Drawer Stops	1/4" x 1" x 2"	6
L	Applied Molding	See detail.	2
M	Top	3/4" x 16-3/4" x 26-3/4"	1
N	Drawer	See detail.	3

Chest of Drawers Complete Schematic

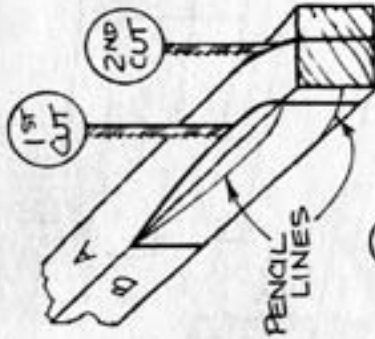


Cutting Leg Curves



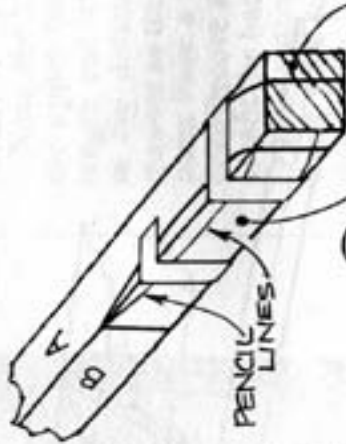
1.

MAKE TEMPLATE OF 1/4" HARDBOARD & SCRIBE OUTLINE ON 2 ADJOINING SURFACES OF SQUARED BLOCK

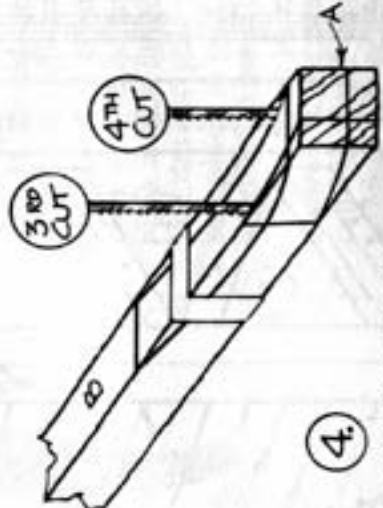


2.

MAKE FIRST & SECOND CUTS ON SIDE A.

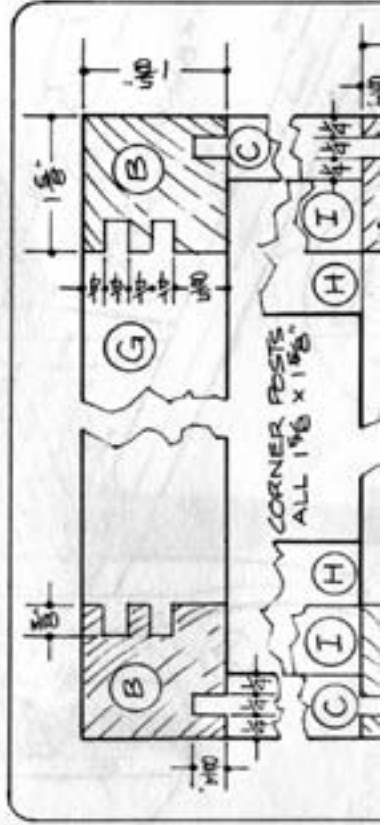


3.



4.

MAKE THIRD



Chest of Drawers Step-by-Step Instructions

1. Cut each leg (A) to 1-5/8" square x 28-1/4" long.
2. Lay out the locations of the four mortises for parts D and E.
3. Use a sharp chisel to cut the mortises to the dimensions shown.
4. Equip the router with a 1/4" straight bit.
5. Cut the 1/4" wide x 3/8" deep x 19" long groove, **BEING SURE TO STOP** 9-1/4" from the bottom.
6. Cut the two back legs (B) are to the same overall dimensions as the front legs.
7. Use the router and again **BEING SURE TO STOP** 9-1/4" from the bottom, cut the two 1/4" wide x 3/8" deep x 19" long grooves on each back leg.
8. Use a sharp chisel to cut the 1/4" wide x 3/8" deep x 3/4" long groove at the top of part B to accept the inside tenon on part G.
9. Refer to the step-by-step illustrations to make the curve shape on all four legs.
10. Make the profile template is made.
11. Trace the profile to the stock.
12. Finish cutting the legs.
13. Edge-glue two 42" lengths of 1" x 8" stock (3/4" x 7-1/4" actual) to get enough width to make the two sides (part C), which measure 13" wide (including the front and back tongue).
14. Locate and drill about three dowel pin holes along the mating edges of the 42" long boards.
15. Apply glue to both mating surfaces.
16. Clamp securely with bar or pipe clamps, and allow to dry overnight.
17. Rip the board to a width of 13".
18. Use a dado-head cutter to cut the 1/4" wide by 3/8" long tongue.
19. Check for a comfortable fit in the leg grooves.
20. Crosscut the board into 19" lengths.
21. Cut the three dividers (part D) and the top divider (part E) to the lengths and widths shown in the Materials List.
22. Use a tenon jig to cut the tenons to the dimensions specified in the details.
23. Cut the lower back frame (F), and the upper back frame (G) to length and width.
24. Cut the tenons, shown in the details, in the same manner as the dividers.
NOTE: Both parts have a 1/4" wide x 3/8" deep groove along the entire

- length to accept the back (J).
25. Cut the 1/4" thick plywood back to length and width.
 26. Sand all parts thoroughly.
 27. Use glue and bar or pipe clamps to assemble the parts as shown.
 28. Allow to dry thoroughly.
 29. Drill the screw holes through part H so that they are slightly slotted. This will allow part C to expand and contract with changes in humidity.
 30. Apply glue to a 2" long area at the middle of the drawer supports where they meet the sides.
 31. Use 1-1/2" x #8 wood screws — four for each support — to join the drawer supports (H) to the sides (C).
 32. Cut the drawer guide (I).
 33. Glue the guide to part H, **BUT NOT** to part C.
 34. Make the three drawers as shown on the drawing.
 35. Make drawer pulls as shown, or purchase them.
 36. Carve the molding (L) is from 3/8" stock.
 37. Glue the molding to the front legs.
 38. Cut the drawer stops (K) to size.
 39. Glue the stops in place.
 40. Edge-glue and join stock to make the top (M) in the same manner you used to make the sides.
 41. Use a router equipped with a piloted 5/32" Roman ogee bit to add the molded edge.
 42. Use sandpaper to round off the lower edge.
 43. Use 1-1/4" round head wood screws and washers, driven up through slotted holes in parts E and through a slotted block screwed and glued to the center of each side (C) to join the top to the rest of the cabinet.
 44. Stain and finish as desired.

These plans were originally published in Volume 6, Issue 5 of *The Woodworker's Journal* (Sept./Oct. 1982, pages 34-36).