

Project 11142EZ: Pine Cabinet

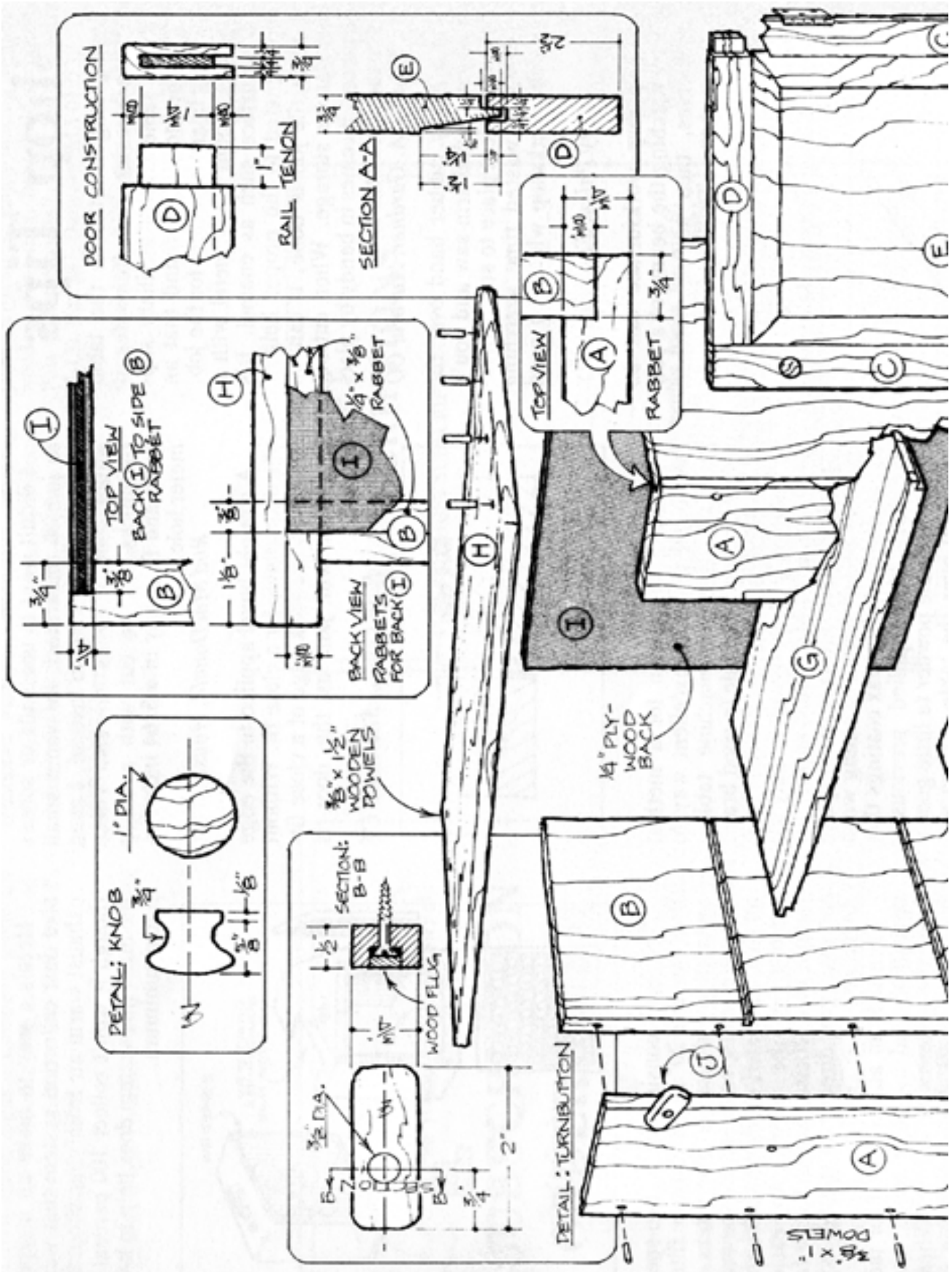
This small early American style cabinet can be put to use in just about any room in the house, especially if some extra storage space is needed. It's made from #2 common pine, to keep costs to a minimum, although almost any kind of wood can also be used.

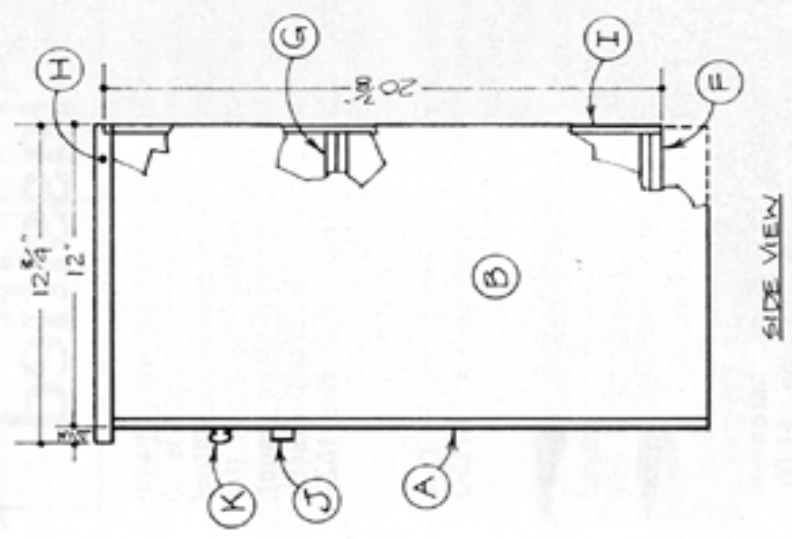
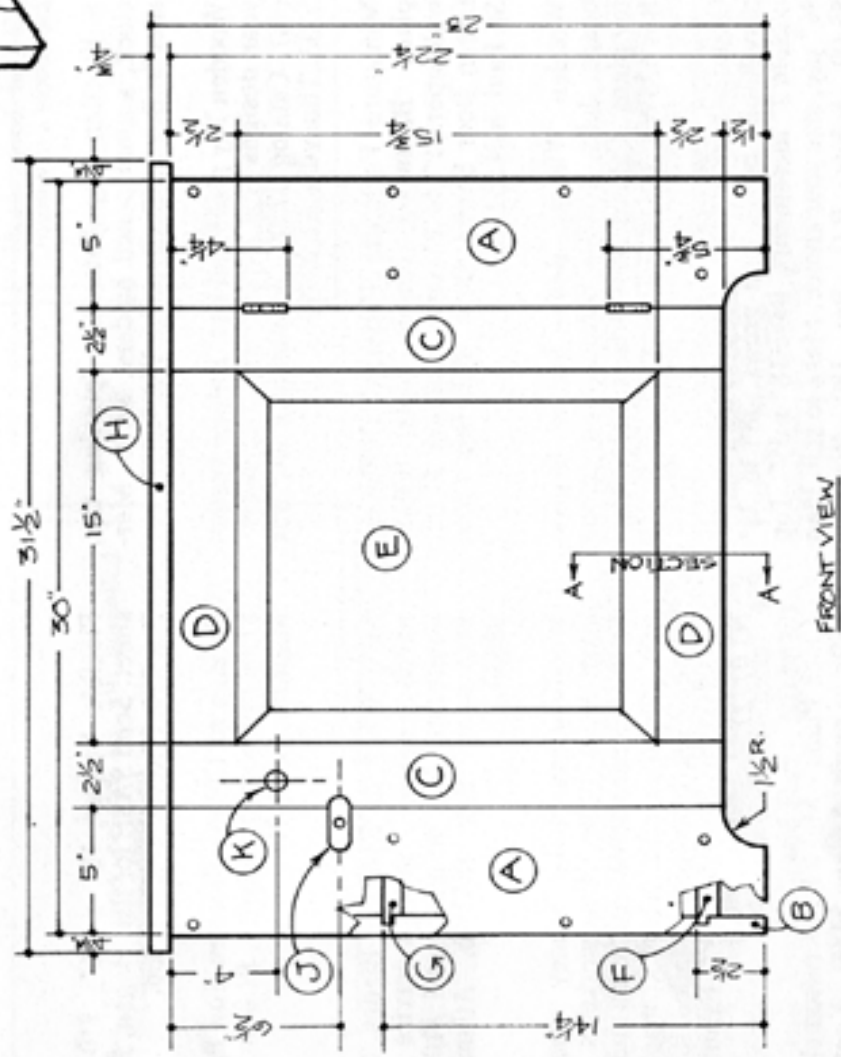
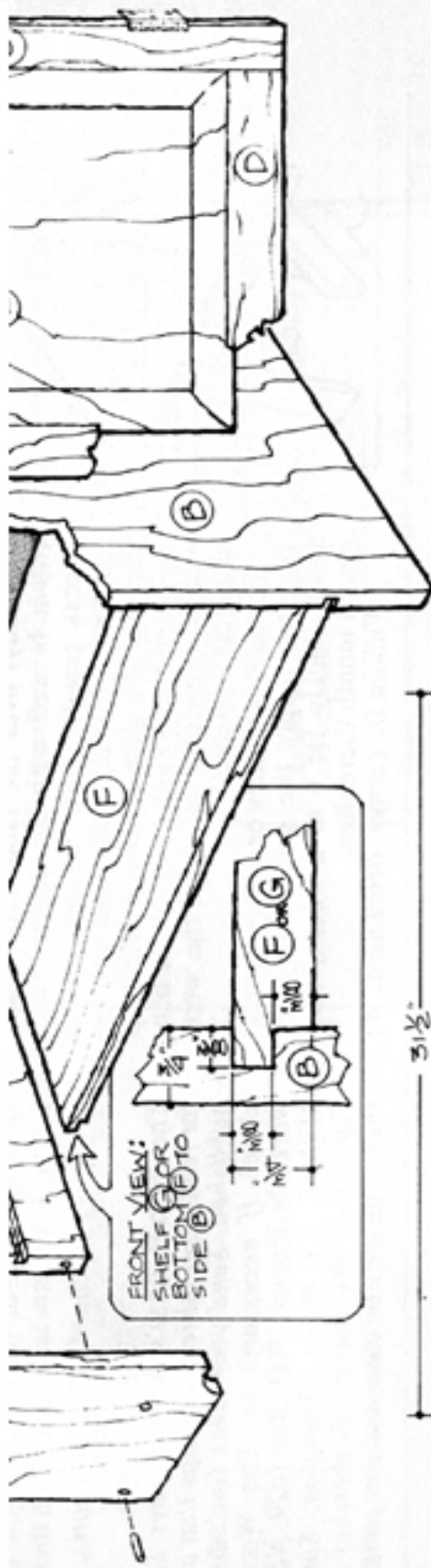


Pine Cabinet Materials List

Part	Description	Size	No. Req'd
A	Front	3/4" x 5" x 22-1/4"	2
B	Side	3/4" x 11-5/8" x 22-1/4"	2
C	Stile	3/4" x 2-1/2" x 20-3/4"	2
D	Rail	3/4" x 2-1/2" x 17"	2
E	Panel	3/4" x 15-1/2" x 16-1/4"	1
F	Bottom	3/4" x 11" x 29-1/4"	1
G	Shelf	3/4" x 11" x 29-1/4"	1
H	Top	3/4" x 12-3/4" x 31-1/2"	1
I	Back	1/4" x 29-1/4" x 20-7/8"	1
J	Turnbutton	See detail.	1
K	Knob	See detail.	1

Pine Cabinet Complete Schematic





Pine Cabinet Step-by-Step Instructions

1. Cut the two front pieces (A) to the length and width as shown in the Materials List, making sure all cuts are square.
2. Use a dado head cutter to cut the 3/8" x 3/4" rabbet.
3. Use the band or saber saw to cut the 1-1/2" bottom radius.
4. Cut the sides (parts B) to length and width.
5. Refer to the drawing to lay out and mark the location of the 3/8" by 3/8" dados for the shelf (G) and the bottom (F).
6. Use the dado-head cutter to cut the dados.
7. Cut the 1/4" x 3/8" rabbet along the inside back edge to take the back (I).
8. Cut the bottom (F) and the shelf (G) to size.
9. Apply the 3/8" x 3/8" rabbet on each end of parts F and G as shown, making sure there is a tight fit in the side (B) dado.
10. Cut the top (H) from 3/4" thick stock to a width of 12-3/4" and a length of 31-1/2".
11. Use a router equipped with a 1/4" piloted rabbet bit to cut the 1/4" x 3/8" rabbet, stopped at a point 1-1/8" from the corner, along the back edge of part H to accept the back (I).
12. Use a sharp chisel to square up the cut.
13. Cut the back (I) to size from fir or knotty pine plywood.
14. Cut the door panel (E) to length and width.
15. Cut the stiles (C) and rails (D) from 3/4" stock ripped to a 2-1/2" width.
16. Use a dado-head cutter to cut the 1/4" wide by 3/8" deep groove along the inside edges of parts C and D.
17. Equip the table saw with a tenon jig.
18. Set the table saw blade set to a height of 1".
19. Adjust the jig to cut the 1/4" wide tenon on each end of parts D.
20. Use a 1/4" mortising chisel to make a mortise slightly deeper than 1" in part C. The greater depth allows for any excess glue or wood chips.
21. Cut the large center panel (E) to length and width from 3/4" stock.
22. Use the dado-head to make the 1/4" x 3/8" rabbet as shown.
23. Tilt the table saw to about 8 degrees.
24. Adjust the rip-fence to properly locate the bevel.
25. Pass the stock, on edge, over the blade. **NOTE: When you approach the end of each cut, make sure the panel is firmly supported at the back of the table to avoid any tendency for the stock to dip into the blade.**
26. Give all parts a thorough sanding.
27. Use glue and clamps to join parts A to B.
28. Allow the glue to dry.
29. Drill holes and add the dowel pins.

30. Assemble parts G and F, again adding dowels after the glue has dried.
31. Secure the top (part H) to the case with glue and dowel pins as shown.
32. Use glue and finishing nails to add the back (I).
33. Glue the mortise and tenon joints for door parts C and D.
34. Keep the panel (E) free of glue so it will be free to expand and contract with changes in humidity.
35. Mortise the 1-1/2" brass butt hinges into both the front (A) and the door stile (C).
36. Lathe-turn the knob to the shape shown.
37. Add the small turnbutton (J) to keep the door closed.
38. Give all parts a final sanding.
39. Stain and finish to suit.

These plans were originally published in Volume 7, Issue 1 of *The Woodworker's Journal* (Jan./Feb. 1983, pages 48-49).