Foot Stool

Materials needed

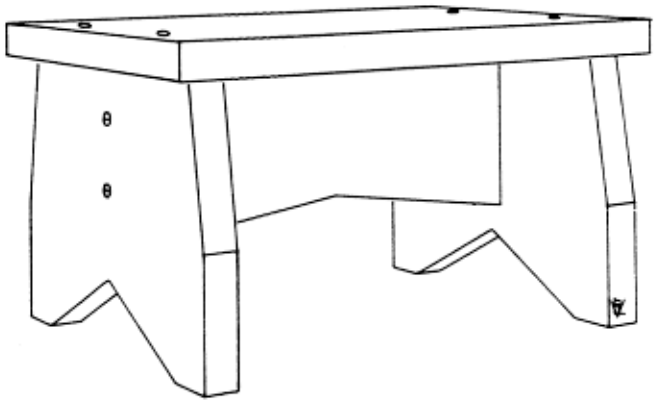
- 1 piece of 1 x 8 lumber (actual size ¾" x 7¼") x 24" long—for top and legs
- 1 piece of 1 x 4 lumber (actual size ¾" x 3½") x 12" long—for stretcher
- 8 — No. 8, 1½" flathead wood screws
- Sandpaper (medium and fine grit)
- Glue

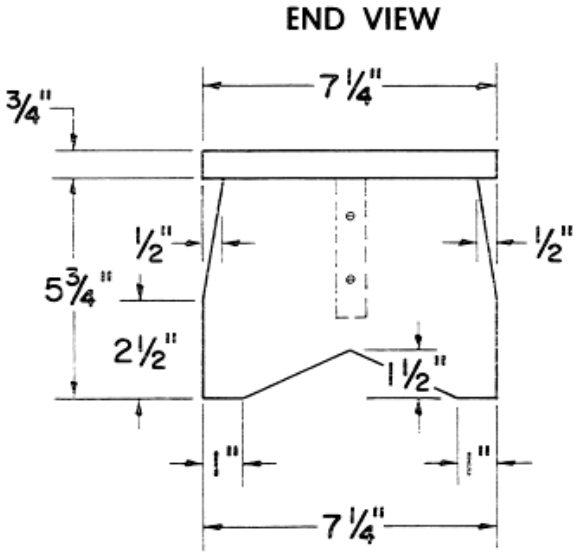
Tools needed

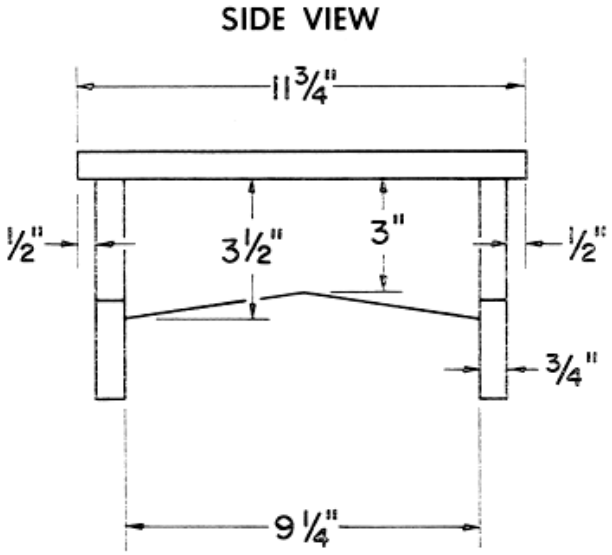
- Hand saw
- Screwdriver
- Boring tools
- Pilot hole bits to fit the screws and countersink

Instructions

1. Measure and mark the pieces for the footstool.
2. Cut out the pieces.
3. Drill holes for the screws and countersink them so that the screwheads are just below the wood surface.
4. Sand the pieces.
5. Assemble with glue and the screws.
6. Finish as desired.







Book Rack

Materials needed

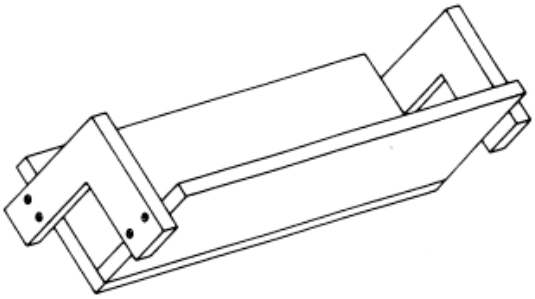
- 1 piece of 1 x 8 lumber (actual size ¾" x 7¼") x 18" long (bottom)
- 1 piece of lumber 1 x 6 (actual size ¾" x 5½") x 18" long (back)
- 1 piece of 1 x 8 lumber (actual size ¾" x 7¼") x 16" long (L-shape ends)
- 13 — No. 6, 1¼" flat-head wood screws
- Stain and varnish (optional)

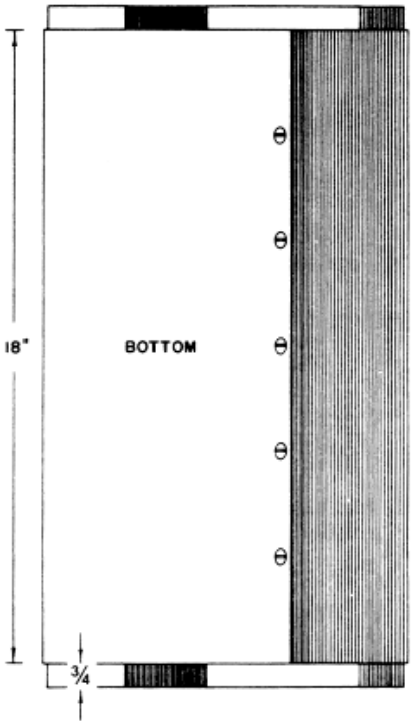
Tools needed

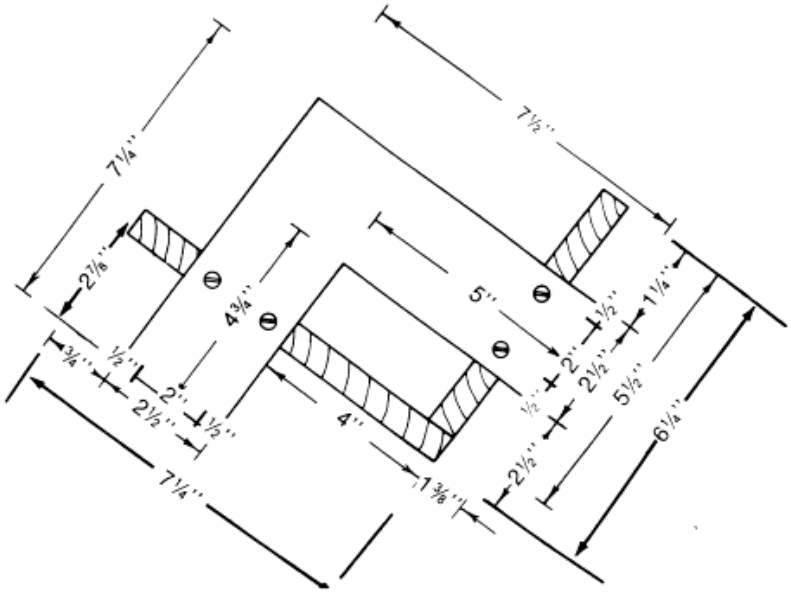
- Hand saw
- Screwdriver
- Boring tool with a ⅛" bit and countersink

Instructions

1. Cut pieces to size, including the two L-shaped ends.
2. Sand pieces smooth.
3. Drill and countersink five holes, 3 inches apart, ⅜" from the edge on a long edge of the 1 x 8 x 18" piece.
4. Screw the 1 x 6 x 18" piece to the 1 x 8 x 18" piece using five of the wood screws.
5. Mark, drill, and countersink the four holes in each L-shape end.
6. Screw the L-shape ends to the ends of the shelf assembly using two screws on each end.
7. Stain and varnish or finish as desired.







Tool Box

Materials needed

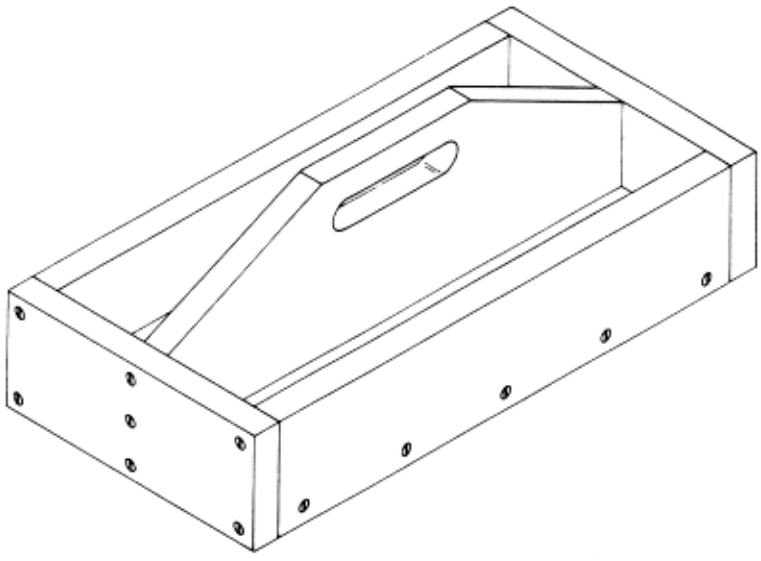
- 2 pieces of 1 x 4 lumber (actual size ¾" x 3½") x 18" long—sides
- 2 pieces of 1 x 4 lumber (actual size ¾" x 3½") x 10" long—ends
- 1 piece of 1 x 8 lumber (actual size ¾" x 7¼") x 18" long—bottom
- 1 piece of 1 x 6 lumber (actual size ¾" x 5½") x 18" long—handle
- 4 — No. 8, 1½" flat-head wood screws
- 25 — No. 8, 2" flat-head wood screws
- Sandpaper (fine grit)

Tools needed

- Saws (hand saw and coping, jig, or saber saw)
- Screwdriver
- Round wood rasp or file
- Boring tool with a 1" bit
- Pilot hole bits to fit the screws and countersink

Instructions

1. Cut pieces to size. (See diagram on page 29.)
2. Mark the angled cuts on the handle as shown in the diagram. Cut the angles with the saw, leaving 1/16" or so for sanding.
3. Mark the handle hole. Bore a 1" hole at each end of the mark and remove the rest with a coping saw. Use a round wood rasp or file to even the handle edges. Sand the handle smooth.
4. Draw the center line lengthwise on the 1 x 8 x 18" bottom piece. Drill and countersink holes every 3 inches on that line and screw the handle to the bottom using 2" wood screws.
   NOTE: Follow the instructions for drilling pilot holes on page 17. Countersink the holes on the outside of the tool box so the heads of the screws are slightly below the surface of the wood. A careful craftsman lines the slots of the screws so that they are all in the same direction.
5. Drill and countersink holes in the two 1 x 4 x 18" side pieces, ⅜" from the bottom edge. Space the holes as shown in the diagram. Now screw both sides to the edges of the bottom piece using 2" screws.
6. Add the ends in the same manner, except use 1½" screws in the bottom corners of each piece.
7. For added strength, drill and countersink three holes in each end piece to hold the handle. Space them as shown in the diagram, and insert a 2" screw in each hole.
   NOTE: This tool box is approximately 8¾" wide. This measurement may need to be adjusted to the width and thickness of your bottom and side pieces.



Tool Box (continued)