

- 3) Pre-drill $1/8''$ equally spaced holes in each piece L, counter-sink with a $1/4''$ bit, and glue and screw to pieces F as shown (Fig. 5) with 2- $\#8$ flathead screws through the holes you drilled. The edges of L are $1/2''$ in from the edges of F and flush at the bottom. Drill two $1/8''$ holes in the ends of pieces F, counter-sink with a $3/8''$ bit $3/8''$ deep. Assemble pieces E and F in a square with E's between F's, and pre-drill into E through the holes in F with a $1/16''$ drill bit. Screw F to E with $3/2''$ $\#8$ flathead screws. Attach headboard to E by holding one piece B up against E, 2 $1/4''$ from the bottom and 15 $1/2''$ in from outside of E. Pre-drill two holes through B and slightly into the depth of E with a $1/8''$ drill bit. Place a piece A on the other side of E. Place a piece A on the pieces B, 1 $1/2''$ up from the edge of E. Use a scrap piece of 2x6 to support it. Pre-drill two holes through each B and slightly into A with a $1/8''$ drill bit. Counter-sink B with a $1/4''$ bit to a depth of $1/8''$. Screw pieces B to A with four 2 $1/2''$ $\#8$ flathead screws. Repeat this procedure with the second piece A, spacing it 1 $1/2''$ above the first piece A. If you wish, you can get creative with a router on the pieces A (Fig. 6). Glue and insert the eight $3/8''$ wood buttons into the holes in F where it has been screwed to E.

- 4) Make a simple box with pieces M and N, placing pieces M between the pieces N, gluing the edges of M, and nailing through N into the edges of M with 1 1/2" finishing nails. Glue the bottom edges of M and N, place on drawer bottom O and nail O to pieces M and N with 1" finishing nails. Pre-drill through the front piece M with six 1/8" holes, glue the front of this piece, and screw into G with six 1/4" holes. Turned on the side edges protruding past N 3/8" on either side. Attach the drawer pull, you may have to drill a bit into M to do this if the hardware is not long enough. Repeat for the other three drawers (Fig. 7).

- 5) Place the top assembly on the base. Pieces L will fit on top of pieces D, which are lower than the tops of J, providing a sturdy support frame. Following the manufacturer's instruction on your side mount drawer hardware, mount the hardware so that the drawer slides back and forth, as far up as possible and still clear piece F (Fig 5, Detail). Remove the top of the drawer and place the cup on top of the drawer. Try to adjust the drawer so that the cup sits on the drawer. You may have to play with, try for $1/16$ " under F and $5/8$ " above floor.
- 6) Place in pieces K, do not nail or glue (Fig 8). Set all nails with a nail set, or use a finishing nail to drive the heads of the nails slightly below the surface. Fill the nail and screw holes with wood putty, sand and finish with stain and varnish, or oil.

This is a finished wood project, so use good material. We suggest clear pine or cedar, although you can really do a good job with oak. Use wood to match the rest of your bedroom furniture.

- Jigsaw or router
- Table Saw
- Wood chisel
- Hammer
- Hand or power drill
- 1/8", 1/4", and 3/8" drill bits
- Screwdriver
- Screwdriver for drawer hardware
- Tape Measure
- Square
- Pencil
- Putty knife

