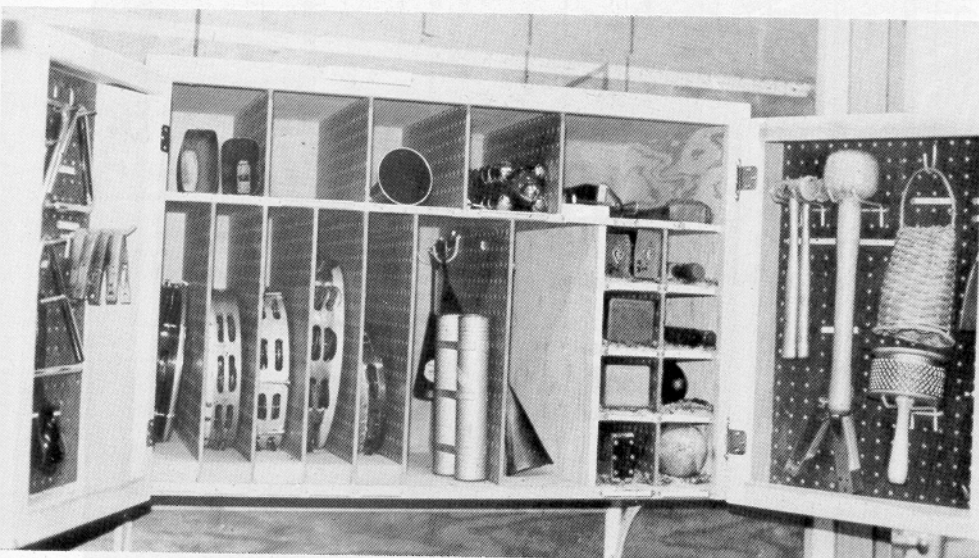


Build A Percussion Storage Cabinet

BY NORMAN WEINBERG



List of Materials:

A) One and one-half sheets (4' x 8') of $\frac{3}{4}$ " plywood, cut into:

3 pieces	18" x 36"	top, bottom, middle support
4 pieces	18" x 24"	sides and door fronts
3 pieces	18" x 8 $\frac{3}{4}$ "	small shelf
3 pieces	18" x 3 $\frac{1}{2}$ "	small shelf supports
1 piece	18" x 4"	small shelf support
4 pieces	4" x 18"	door spacer
4 pieces	4" x 24"	door spacer

If you desire a back on this cabinet, add an additional piece of 24" x 36". This back will require an extra half-sheet of plywood.

B) One sheet (4' x 8') of $\frac{1}{4}$ " pegboard, cut into:

2 pieces	18" x 24"	door
6 pieces	18" x 5 $\frac{1}{2}$ "	large storage dividers
4 pieces	18" x 7"	medium storage dividers
3 pieces	18" x 4"	small storage dividers
1 piece	18" x 4 $\frac{1}{2}$ "	small storage divider

C) Additional lumber:

4 pieces	1" x 1" x 18"	door pegboard spacer
4 pieces	1" x 1" x 24"	door pegboard spacer
4 pieces	1" x 2" x 18"	door lip
4 pieces	1" x 2" x 24"	door lip

D) Tools and extra parts:

Wood glue, clamps for gluing, screws, router, screwdriver (power type is recommended), four heavy-duty hinges, two large heavy-duty supports (this cabinet is heavy!), and pegboard hooks of various sizes.

As most band and orchestra directors know, small percussion instruments present a unique storage problem. These instruments have the nasty habit of walking away to parts unknown, or at best, hiding themselves in places where you wouldn't think to look. Here is a small, space-saving cabinet that may solve a lot of these problems for you and make your life a little more organized.

We have used such a cabinet at Del Mar College for five years now, and nothing has been lost or misplaced. The cabinet attaches to the wall, keeping your valuable floor space free for other storage. The body of this cabinet will hold five tambourines, bass drum and gong mallets, four woodblocks, castanets, whip,

Norman Weinberg is an associate professor of music at Del Mar College in Corpus Christi, Texas and principal percussionist of the Corpus Christi Symphony Orchestra. He is completing a Doctor of Music degree at Indiana University, where he earned a master's degree.

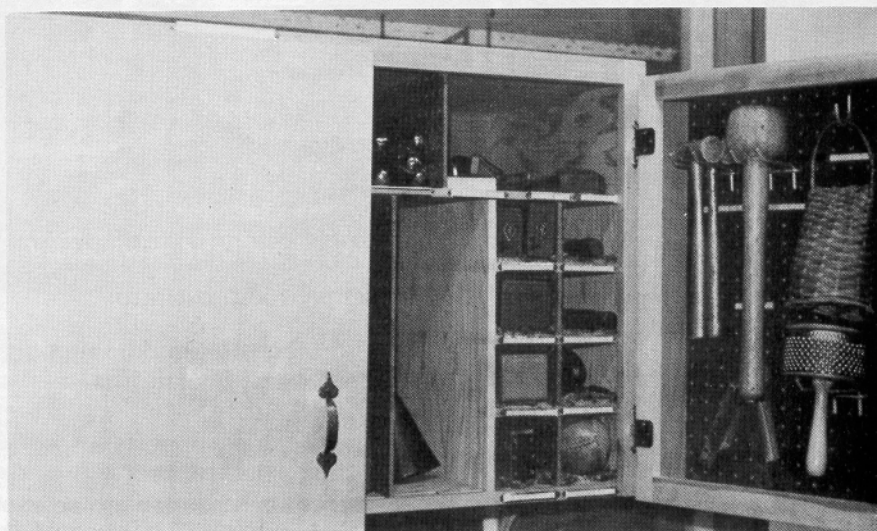
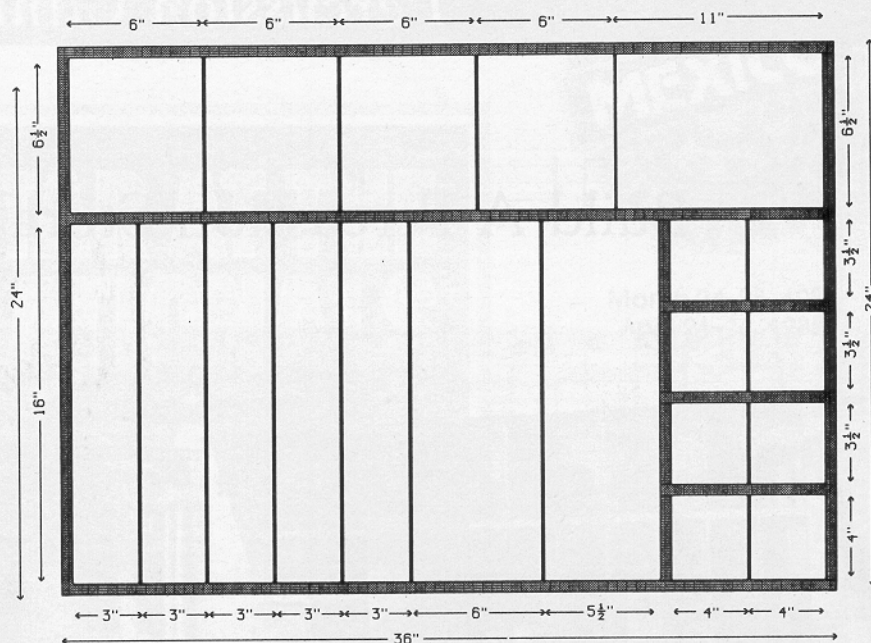
cowbells, sound effects, and Latin percussion instruments. The "shadow-box" style pegboard doors permit storage of many smaller instruments that can hang from hooks.

In the following drawings, the thick lines indicate $\frac{3}{4}$ " plywood and the thin lines $\frac{1}{4}$ " pegboard. Measurements for thick lines are from side to side, and measurements for thin lines are from center to center.

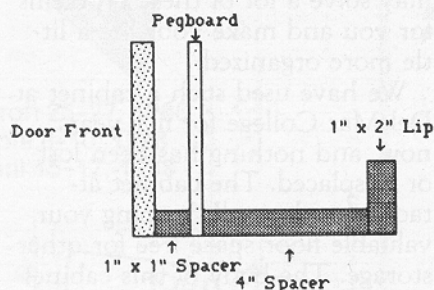
If you don't have much experience with woodworking or the proper tools for a straight cut, you may want to have the lumber company cut the pieces for you. It will be easier for them if you first take the time to draw a pattern of how the various pieces fit onto the standard sheet of plywood. After all the pieces are cut, it is a good idea to put the cabinet together on the floor without glue or screws, just to make sure that all the parts fit together properly.

The pegboard dividers should be set into $\frac{1}{4}$ " deep grooves on the top, bottom, and shelf supports to prevent warping. It is important to make careful measurements before using the router to cut these grooves. After cutting the grooves and assembling the cabinet, use the wood glue to set the dividers into place.

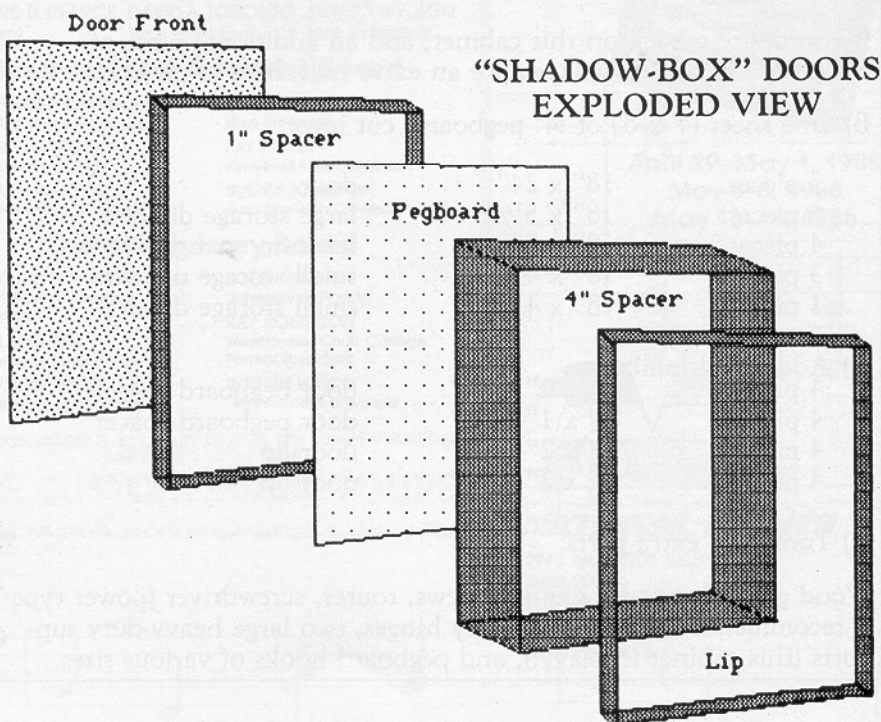
WALL MOUNTED STORAGE CABINET — FRONT VIEW

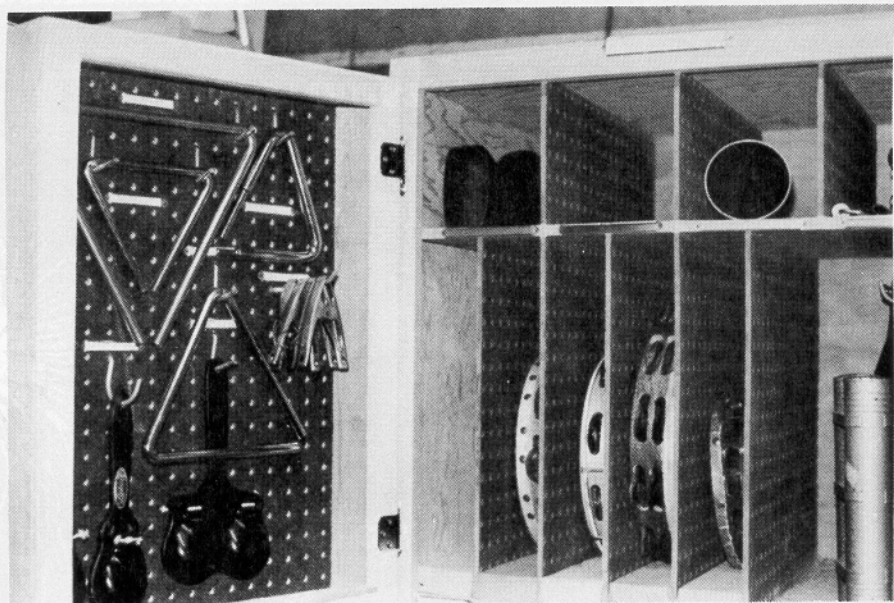


"SHADOW-BOX" DOORS CUTAWAY VIEW

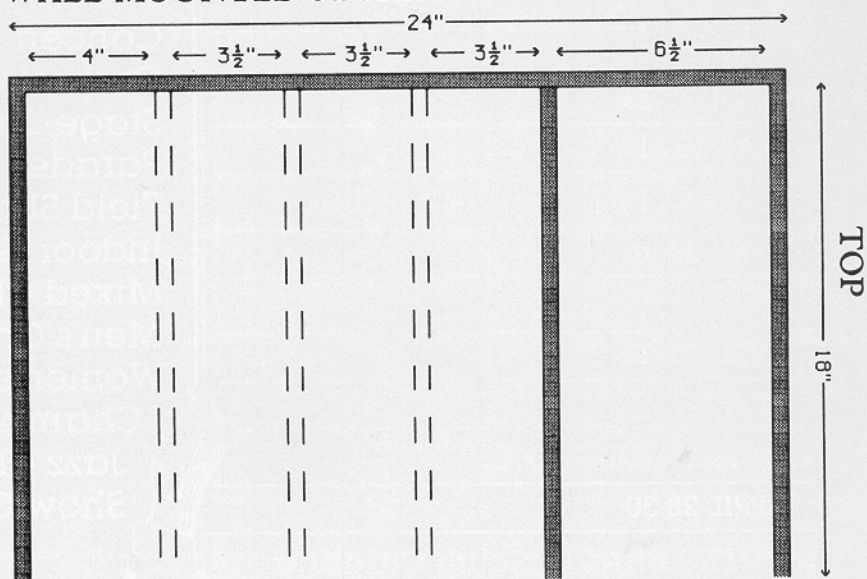


The "shadow-box" style doors go together in the following way: The piece of $\frac{3}{4}$ " plywood is on the outside of the door. Attached to this is a window frame of 1" x 1" lumber, which provides a space behind the pegboard so that the hooks can be inserted properly. The pegboard (also 18" x 24") goes on top of this window frame. Next comes the 4" window frame, which acts as a





WALL MOUNTED STORAGE CABINET — SIDE VIEW



door spacer so the instruments that hang from the pegboard are positioned inside the door (a little like a refrigerator door). The last piece of this door is another window frame of 1"x 2" lumber used as a lip around the entire door.

After you have assembled the cabinet and both doors, all that remains is to attach the doors with the hinges and mount the entire cabinet on the wall. Of course, the dimensions can be altered to fit your individual small instrument inventory.

The biggest advantage of this cabinet is that the students can find what they need quickly. Another plus is that you can tell at a glance if any instrument is missing before the cabinet is closed. If security is a big problem, a hasp-type lock can be added to the doors and unlocked only during rehearsals or performances. This cabinet is not expensive to build — about \$50.00 in materials — and you might even convince your school woodworking class to build it for you. □