

- 4) Run a bead of glue along the rabbet joints in pieces L.. Lay on piece C and nail to L with 1 1/2" finishing nails. Locate M 20" from left hand L and glue and nail C to M with 1 1/2" finishing nails. Pre-drill the holes in K, and on 3/8" (19) with 1/8" (10) drill bit. Countersink to a depth of 3/8" with a 3/8" (19) bit. Repeat for both bottom pieces J, drilling in the middle rather than in the ends. Hold up the C, assembly and screw pieces K to C with eight #8 2" flathead screws, keeping the top edges of L and K flush. Insert piece N between pieces J and screw in place with four #8 2" flathead screws, keeping the top edges of J and N flush. Glue and insert twelve 3/8" wood buttons in the countersunk holes. With a 1/8" drill bit, pre-drill three holes through bottom pieces J, one 2 1/2" from each end and one slightly off center. These holes are to allow attachment of B to J. Countersink on the bottom side to a depth of 3/4" with a 3/8" bit. Glue the "upper" edge of N and position in piece B. Screw J to B with six #8 1 1/4" flathead screws three each J.
- 5) With a 1/16" drill bit, pre-drill five holes through each D, E, F and G, one 1" from each end, one in the middle, and two between the ends and the middle, drilling from the "outside" edges to the "inside" edges. Glue the "inside" edges, and the ends, and nail through the holes and into pieces A and B with 1 1/4" finishing nails, keeping the edges flush to top of A and B.
- 6) Lay the hinges on piece K, 5" from either end. Mark the hinge locations with a pencil, ensuring that the hinge pin is just over the outside edge. Mark with a pencil the locations to double the thickness of the hinge. Mark with a pencil the locations to double the thickness of the hinge. Attach one side of the hinge to K with the 1/2" hardware. Measure the width of the hinge. Draw a line on the underside of piece A, along the long edge, at a distance of 3/4" plus the width of the hinge, from the long edge. Attach the hinge to A so that when closed, the edges of A overlap K 3/4" on all sides. Attach the slow closing lid hardware. Glue on the cork bumpers to front corners of lid to prevent the lid from banging when closed.
- 7) Sand and stain project to manufacturer's instructions and allow to dry. Do not stain the backgammon/chess board. Fill exposed nail holes with putty. Apply a coat of stain to the backgammon/chess board, or colored putty. Apply final finish to the project. We recommend varnish or oil for the final finish.

On materials:

Use top quality materials for this project, entirely free of knots on the 2x4 and 1x4. This will turn out to be a very polished looking project.

TOOLS

Table Saw and Jigsaw
Pencil and Measuring Tape
Power or Hand Drill
1/16", 1/8", 3/8" drill bits
Hammer and Screwdrivers
Square and Nail Set
Saw Box and Nail Set
Chisels
Compass
Paint Brush and Putty Knife

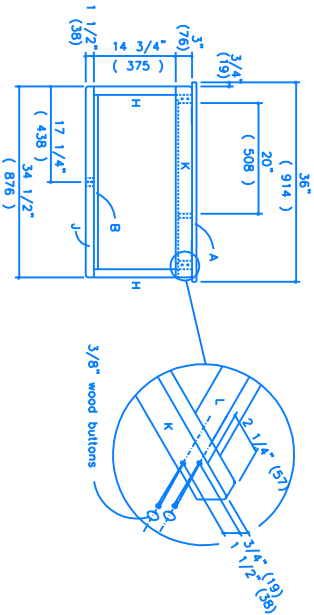


FIGURE 5

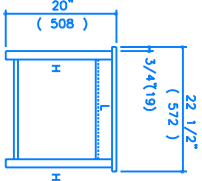
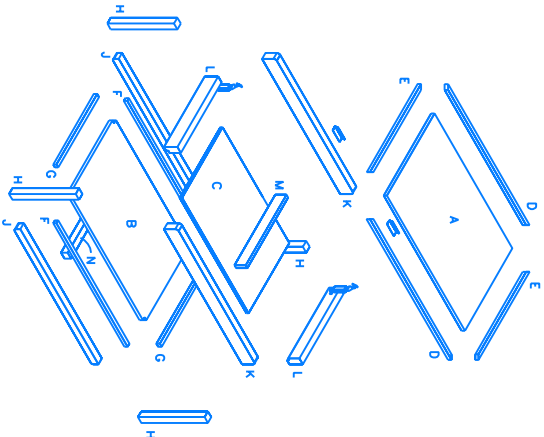


FIGURE 7

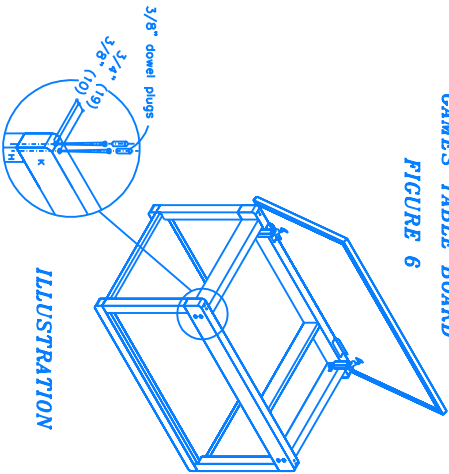


BACKGAMMON BOARD
FIGURE 8

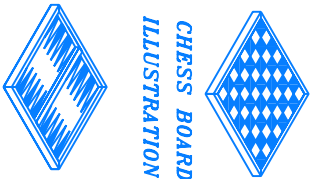


CHES BOARD
FIGURE 9

GAMES TABLE BOARD
FIGURE 6



ILLUSTRATION



CHES BOARD
ILLUSTRATION

BACKGAMMON BOARD
ILLUSTRATION

COMPLETED PROJECT

