



FIGURE 8

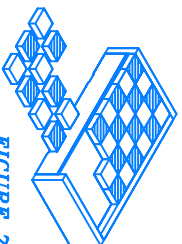


FIGURE 7

Directions (chess board)

- 1) Lay out your material as suggested in the material layout (Fig. 1). Draw out all parts exactly as illustrated in cutting diagram (Fig. 2). Including the letter designations, in pencil. Ensure to leave a small space between cut lines to allow for the width of the saw. Before cutting, double check all measurements to ensure they are correct. Always cut on the waste side of the line. When you cut the squares, if you are only one type of wood, dip half in a light stain (to save stain/finish), and half in a dark stain and allow to dry before proceeding.
- 2) Stand the two pieces D back to back and place the hinges on top, 4" from either end, in the open position. Trace out the hinge locations and mortise out the pieces with a chisel so that the hinges fit in flush as shown (Fig. 3). Attach the two hinges to H as shown (Fig. 4) with small hinge screws and drill a finger holes as shown. Trace the outline of your chessmen on the two of the pieces and cut them out with a hand saw. If you are not comfortable with a sharp knife, so that the men will fit snugly. If you are not using our chessmen, you may have to use a jig/saw as a chisel is not the best thing on rounded edges. Also, the placements of pieces F, M and L are calculated so that our chessmen fit, you will have to adjust them if you are using other chess pieces.

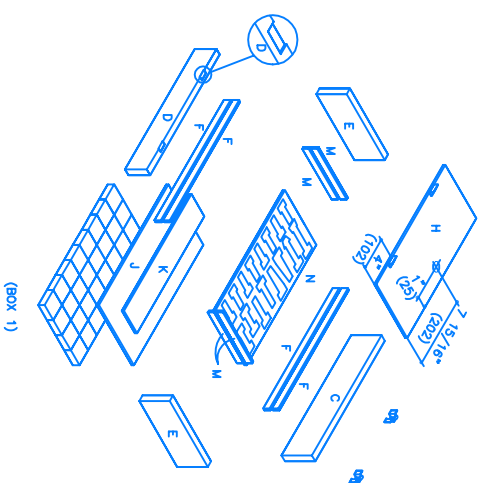
- 3) Blunt the ends of the nails before nailing in the following step as it will prevent the wood from splitting. Build the box M as shown (Fig 5) by first gluing and nailing the sides C, D and E together with 1 1/4" finishing nails. Glue and nail in the "bottom" pieces M and F, turning 1" from the "bottom" of the box, with 3/4" finishing nails. Turn the box over, glue the exposed edges of M and F, and place piece J in position. Use nail piece J with 3/4" finishing nails. Turn the box back over and glue and nail the piece K with 3/4" nails. Glue the top edge of the box and use a spacer for the glue joint. A caul, a small piece of wood, is used to hold the box in place in a "caul", place M with 3/4" finishing nails. Glue piece H to the inside edge of D with small hinge screws. When closed, piece H should be flush with pieces F and M.

- 4) Blunt the ends of the nails before nailing in the following steps as it will prevent the wood from splitting. Build the box 2" as shown (Fig. 6) by first gluing and nailing the sides C, D and E together with 1 1/4" finishing nails. Note that the spacing in this figure is different than in Fig. 5. Glue and nail in the "bottom" pieces G and L exactly 1" from the "bottom" of the box, with 3/4" finishing nails. Place the box over, glue the exposed edges of G and L, and place piece J in position. Use nail piece J with 3/4" finishing nails. Turn the box back over and nail in the uncured piece M with 3/4". Glue and nail piece K on the uncured piece M with 3/4" nails. Piece K is a spacer for the pawns as they are 1/4" smaller in depth than the major pieces. Glue and nail in the "upper" pieces M and L with 3/4" finishing nails. Install handle. Glue and tie nail in the "cutout" piece N with 3/4" finishing nails. Engrave that the pawn cutouts are above piece K. Be sure to set all nails.

- 6) Fill small holes in outside of box, sand the project, and apply a final finish according to the manufacturer's instructions.
- 7) Attach the two sides of the box together with the hinges, and attach the suitcase catches as shown (Fig. 8). Glue felt to both sides of the suitcase flaps, and glue a rubber foot or roller to the bottom of the box after cutting out a slot for the roller. The roller should be placed on the previous layer and try again. Two layers at the most should do the trick.

On Materials

Use top quality wood for this project as the quality will show when the project is finished. We suggest #1 clear pine for the light wood, and walnut for the dark, although you could use even more exotic types of wood if desired. If you wish you could use #1 clear pine throughout and use a dark stain to simulate a darker wood.



(BOX 1)

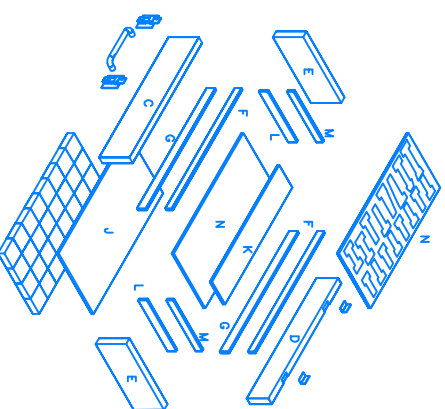


FIGURE 4

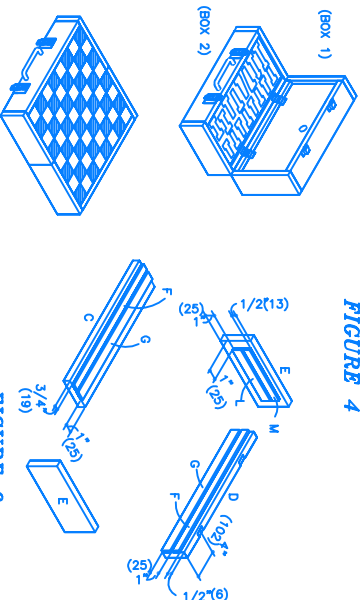
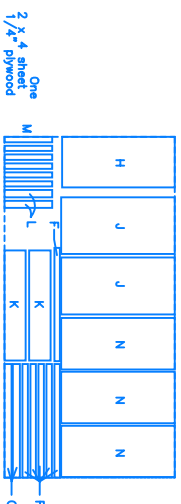
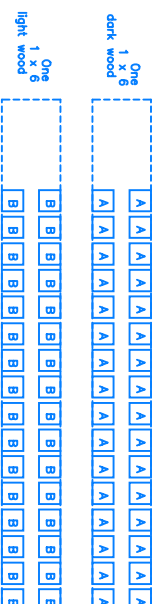
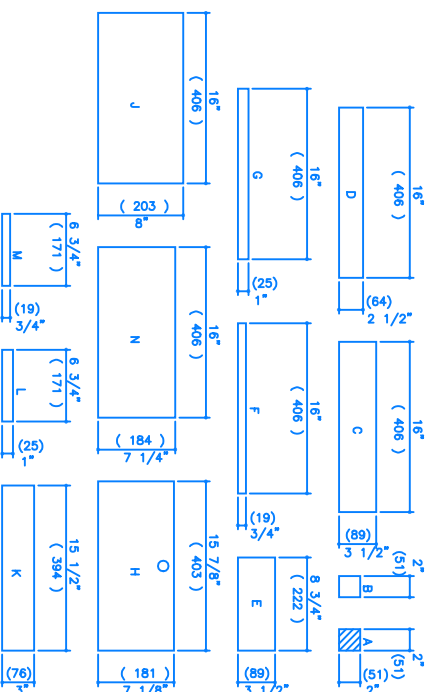


FIGURE 6



MATERIALS LAYOUT

FIGURE 1



CUTTING DIAGRAM

FIGURE 2

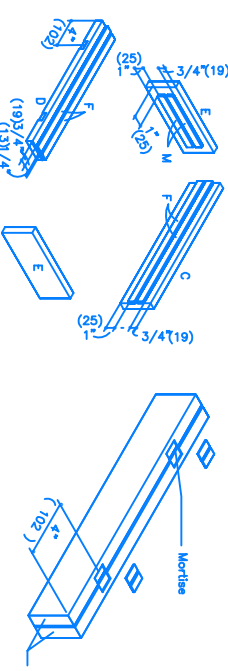


FIGURE 5

FIGURE 3