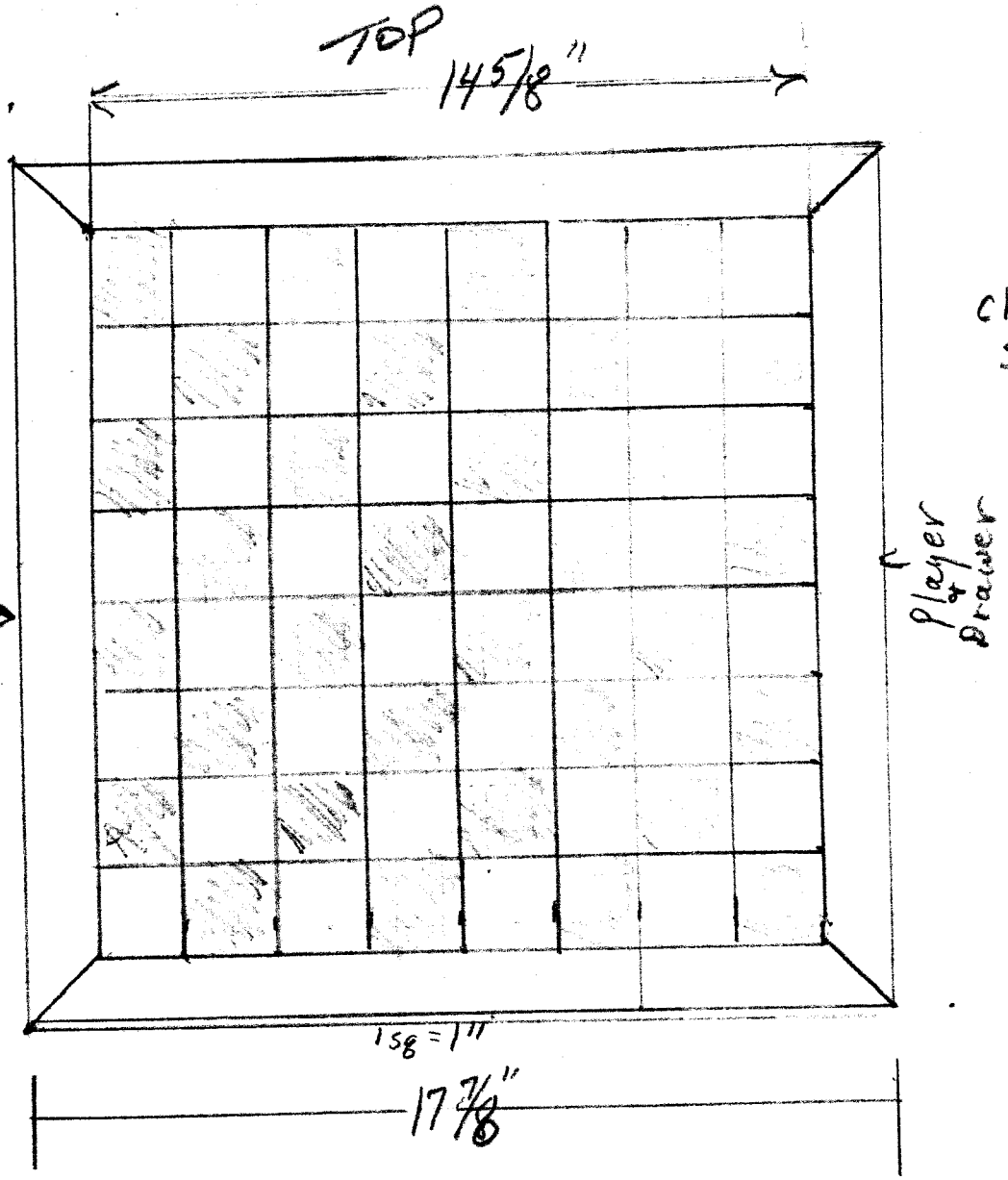
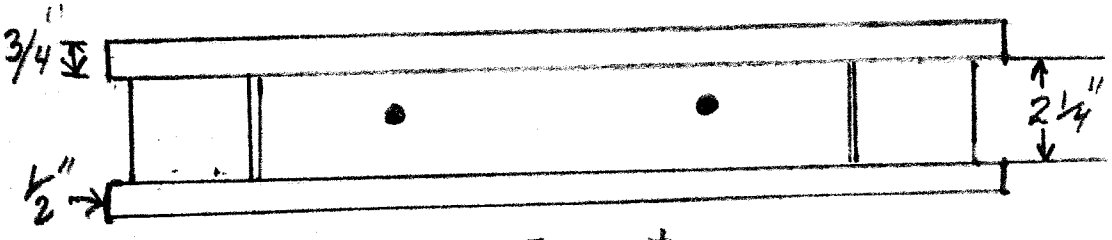
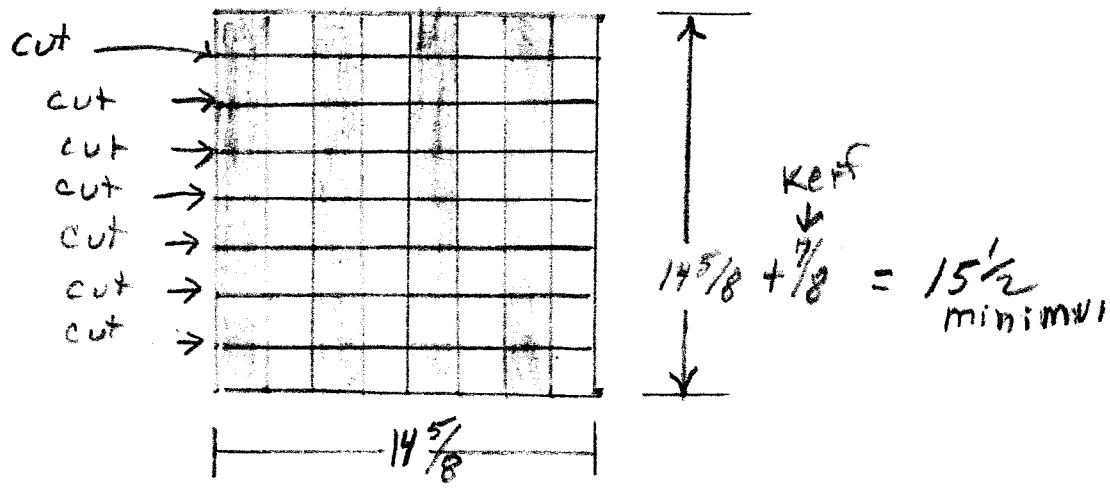
Chessboard 1⅞ X 1⅞ Kheckers Large

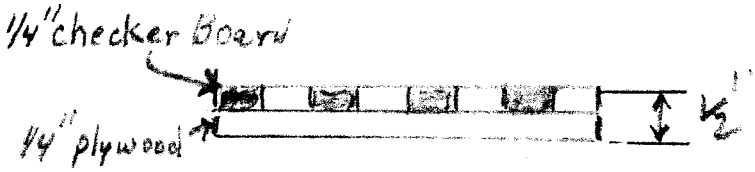
TOP





Front



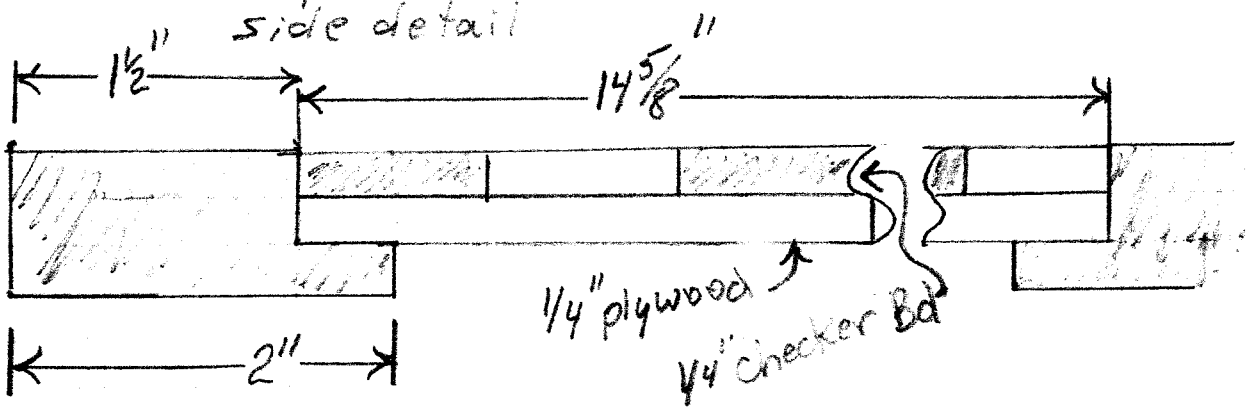


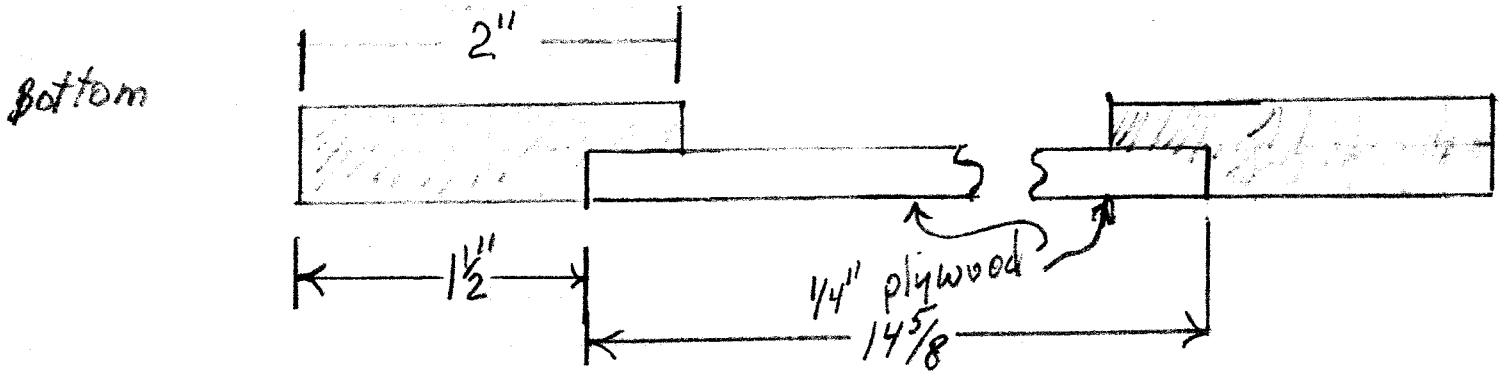
Cut List (for larger Board)

checker bd. strips	4	1 7/8 X 1/4 X 16	walnut
	4	1 7/8 X 1/4 X 16	maple
Top frame	4	3/4" X 2 X 18	walnut
Base frame	4	1/2 X 2 X 19	walnut
Top + Bottom plywood insert	2	1/4 X 16 3/4 X 16 3/4	1/4 Plywood Trim late
Corners	2	3/4 X 2 1/2 X 10"	maple
Center support	1	3/4 X 2 3/4 X 17"	cut to size
Drawers			
Front	2	3/4 X 2 1/8 X 11 1/2	walnut
Sides	4	1/2 X 2 1/8 X 7 3/4	maple
End	2	1/2 X 2 1/8 X 11	maple
inlay around checker Board	4	1/8 X 1/2 X 18	maple
Runners for drawer	4	1/8 X 1 1/2 X 6"~	maple
guides for drawer	4	1/2 x 1/2 x 6"	maple
Feet	4	2 X 2 X 1/2	walnut or Maple

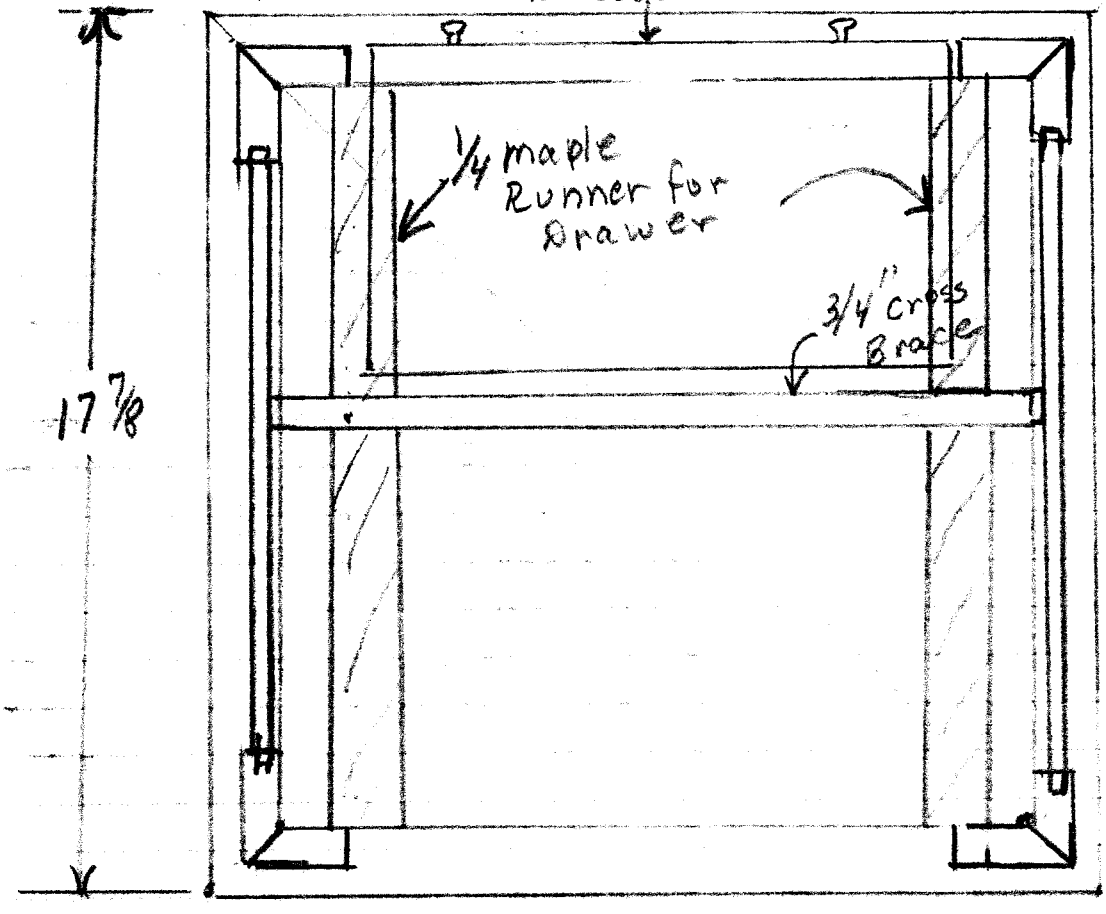
1 5/8 = 1/4"

Top
side detail





Inside Bottom Drawer



CHESSBOARD CUT LIST
(Smaller board)

Checker Board Blocks	¼" x 1 ½" x 14"	(4 Maple and 4 Walnut)
Frame Around Checker Board	¾" x 2" x 16"	(4 Walnut)
Frame Base Bottom	½" x 2" x 16 ½"	(4 Walnut)
Corners	¾" x 2 ¼" x 10"	(2 Maple)
Side	¼" x 2" x 11 ¾"	(2 Walnut)
Center Divider Support	¾" x 2 ¾" x 14 7/8"	(1 Plywood)
Drawer Slide Strips	¼" x 2" x 6"	(4 Maple)
Drawer Front	¾" x 1 7/8" x 11"	(2 Walnut)
Drawer Sides	½" x 1 7/8" x 6 ¾"	(4 Maple)
Drawer Back	½" x 1 7/8: x 11"	(2 Maple)
In-lay Around Checker Board	1/8" x ½" x 12 ½"	(4 Maple)
Base for Checker Squares	¼" x 12" x 12"	(1 Plywood)
Insert in Base Frame	¼" x 12" x 12"	(1 Plywood)
Drawer Bottom	¼" x 6 ½" x 10 ¾"	(2 Plywood)

Building a Chessboard

Determine the size of the squares. I am choosing 1 7/8". Cut 4 strips of dark wood and 4 strips of light colored wood ¼" thick by 1 7/8" wide and 17" long. This is a little long but you will lose the kerf of the blade and will need to straighten up the edges of the finished board. Glue the edge of the strips alternating light and dark clamping them between 2 boards about 17" square. After they dry rough sand both sides to remove glue that squeezed out and flatten the checker board.

Set the tablesaw to cut exactly the width of the strips (1 7/8). Cut the strips across the strips. Glue the 8 alternating strips to a ¼" by 15 ¾" square plywood. Line up the left edges and the edges of the plywood and checker board closest to you. Clamp the checker board pieces together as above. After the glue dries trim the plywood, shaving a little of the checker board to make a straight edge on all 4 sides. Sand top to flatten.

Cut (4) ¾ X 2" dark wood 18" long for frame of the chess board. Lay out the boards for color match up. Cut a rabbit ½" deep and ½" wide on the inside of the board. Glue and clamp a 1/8" x ½" x 18" maple strip to the inside of the rabbit of the frame boards. This will make a border around the chess board to keep the colors from running into the frame board.

Cut a 45 degree on the end of each of the 4 top frame boards. Set the chess board in the rabbit and mark where the next 45 should be cut according to the way the chess board lies. I cut a little long and sneak up on the final cut. When all sides fit, glue and clamp the chess board and frame all together. Cut the bottom in like manner. The plywood will be on the bottom of this piece. Route the edges of the top and bottom. A sunken 1/8 roundover bit will do a nice job.

Make the corner pieces by cutting 2 light colored wood pieces 2 ½" x 10". Cut a 45 degree down one side of each piece. Glue the 45's to make a corner or L shape. Clamp with rubber bands. When dry cut into 2 ¼" corner blocks. Cut a ¼" mortise in one end of each corner block. Place the end blocks ½" from the edge of the bottom frame. Take a ¼" x 2 ¼" dark board and measure to the bottom of each mortise and cut to that length. Sand then glue each side to a corner block. When dry place the corner blocks ½" from the sides of the bottom board. Measure the drawer opening and the distance between the center of each side. Make a center support by cutting a ¾" plywood board 2 ¾" by the measurement between the 2 sides. Notch out ¼" on the top and bottom of the support to fit in the top and bottom boards. Center and glue sides and center support to bottom board only. Make runners ¼" thick for the drawers to run on.

Make the drawers to fit the opening between the corner blocks

Sand, sand, and sand the top. Glue the top to the bottom. MAKE SURE THE WHITE SQUARE IS TO THE RIGHT OF THE DRAWER. (PLAYERS RIGHT)

I built my chessboard using Steve Ramsey's 7 part "Build a Chessboard" on You Tube.