

# Jenny

## Kit Inventory

- Front and Back Outer Panels
- Bottom, Right and Left Inner Panels
- Holder Panel (left), Runner Panel (left), and Outer Panel (left)
- Holder Panel (right), Runner Panel (right), and Outer Panel (right)
- Holder Panel (bottom), Sliding Panel (bottom), and Outer Panel (bottom)
- Two (2) Top Rail, Two (2) Bottom Rail and Four (4) End Rail
- Holder Panel (lid), Holder Panel (lid1), Runner Panel (lid), Outer Panel (lid) and Inner Cover (lid)
- Two (2) Holder Disc (lid), Crescent Piece (lid) and Hub Disc (lid)
- 
- Black (.280") alignment pegs (6+)
- Red (.400") alignment pegs (4+)
- Purple (.500") alignment pegs (4+)

## Other Items Needed

- Glue – I use a “craft” type tacky glue such as “Aleenes Tacky Glue” which can be found at craft stores like Michael’s.
- Sandpaper - to smooth any rough edges and make parts slide easier.
- Wax/paraffin – also to make parts slide better.

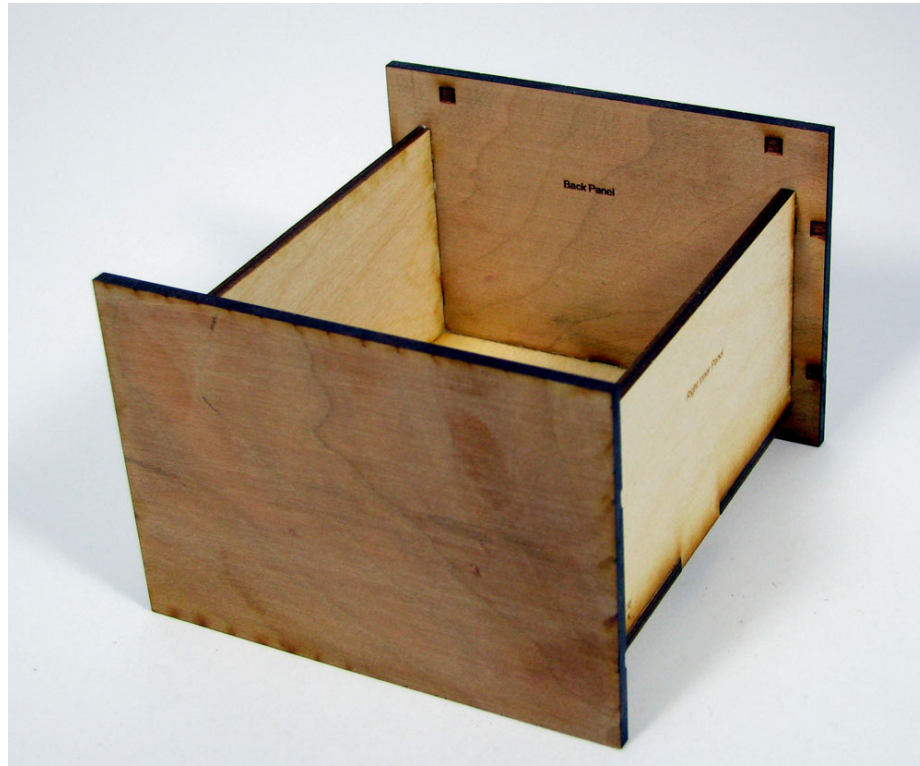
## General Notes:

- All writing on parts is oriented the same way on each side unless otherwise noted.
- This puzzle is assembled with the writing on the plywood pieces facing out. When the outer layer pieces are glued on the writing on those pieces faces inwards.
- The alignment pegs are of different lengths depending upon the number of layers that are being placed together. Be careful to use the correct length. The pegs are easier to push through the holes if you start them on the side of the piece that has writing.
- Check the fit before gluing and sand/file any pieces that do not slide smoothly
- I find that light sanding of the faces of sliding pieces makes for better boxes. I also use paraffin/candle wax on the surfaces to get smoothly moving pieces.
- I use Aleene’s tacky glue for gluing parts. I glue the pieces and then hold them together for ~15 seconds and they will stay in place until the glue dries.
- Be careful when attaching outer sides, spacers and covers to keep glue away from areas where it might squeeze out underneath and get on any of the sliding parts. If possible glue those parts without the sliding pieces in place so you can clean up any glue squeeze out.
- Clean up glue squeeze out while the glue is still soft as it is much harder after it dries.

- When sanding flat sides it is better to place the sheet of sandpaper on a flat surface and move the puzzle piece over the sandpaper. This keeps the face flat and prevents rounding over the edges.
- If tabs seem too fat to fit in slots then sand them with a couple of passes of 100 grit sandpaper on each side of the tabbed piece.
- If tabbed pieces do not seat fully in the pocket areas, then sand the ends of the tabs .

## Assemble Inner Box

Start by gluing the left, right and bottom panels together. The writing on the side panels should be facing outwards and the writing on the bottom panel should face towards the inside of the box/towards the top. Then glue the front and back outer panels to these pieces.



After the glue is dry sand the left, right and bottom inner sides of the box with 100 grit sandpaper to remove any ridges and make it smooth for any sliding pieces. Then sand it with 180/220 grit sandpaper to make it really smooth for the sliding panels.

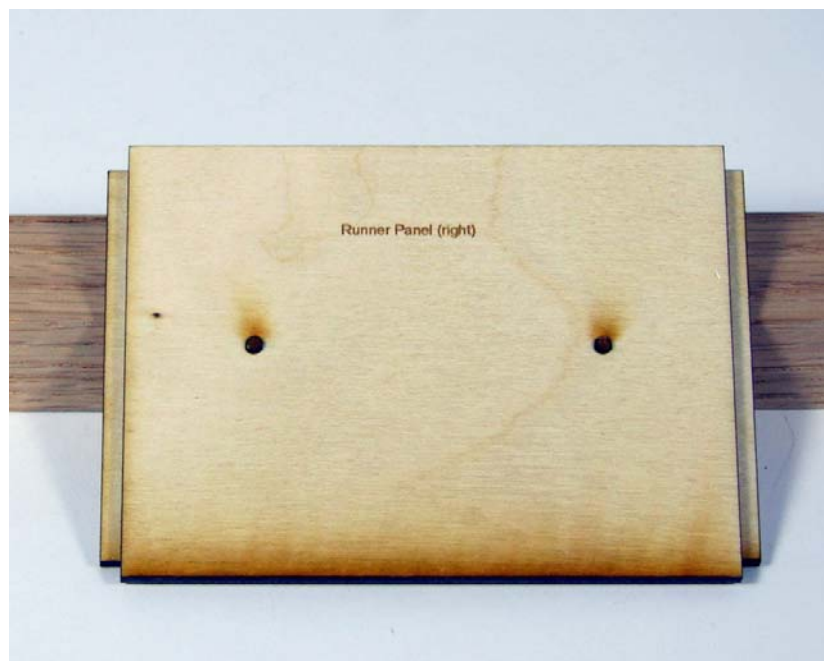
## Add Rails to Box

Glue the top, bottom and end rails to the previously assembled box. Make sure the end rails do not extend above or below the inner box. Use the holder panels for the left, right and bottom panels and make sure they slide under the rails.



### Assemble Left and Right Panels

Using the black (.280") pegs and glue the runner panels to the holder panels for the left, right and bottom. The pegs should be flush with the back of the holder panel. Make sure this assembly still slides smoothly under the rails of the on the box. Sand if necessary. Below is a photo of this assembly for the right panel.



The Remainder of the instructions are included with the kit

### **Apply Finish**

If you are going to apply finish to the puzzle that should be done now. Sand the box and sliding panels with 180/220 sandpaper and put on your favorite stain/finish or paint the box and panels. With the hardwood versions of the kit it is best to also put some finish on the inside of the outer lid piece to prevent it from warping if the humidity changes. Use the holder disc assembly on the inside of the outer lid to prevent getting finish in the areas that will need to be glued later. Put a coat of finish on the inside of the lid panel and then complete the lid assembly by replacing the holder disc assembly in the holder panels and then gluing the runner panel (lid) onto the holder panel assembly (do not forget to put the metal dowels in the slots before gluing the runner panel. Many light coats of finish works best. After the finish is dry you can assemble your puzzle and you are done.



