

# Trick Box

## Kit Inventory

- Front, Left, Back and Right Inner Box Panels
- Inner Box Base Panel
- Fourteen (14) Long Strip Pieces
- Two (2) Long Dummy Strips
- Two (2) Short Dummy Strips
- Four (4) Long Cross Strip
- Four (4) Short Cross Strip
- Two (2) End Panels
  
- Blue (.220") alignment pegs (32+)

## 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:

- The parts are not labeled on this kit since there are only a couple of 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.
- 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.

## Assemble Inner Box

Start by gluing the front, left, back, right and inner base panels together. This kit is slightly different from Bruce's original plans. This inner box has an extra plywood end panel to glue the outer end panel onto for extra strength. After the glue has dried, sand the outside of the box slightly to remove any rough edges. Do not sand too much as we will be sanding it again when we get to fitting the box in the crate.



## Sand Crate Pieces

If you want a smooth sanded look for your box it is easiest to sand all the outer pieces now. If you want the more rustic/burned wood look then leave the pieces as is.



## Assemble the Crate Sides

Using the blue (.220") pegs assemble the crate sides. It is easiest to press the pegs through the long strip and dummy strip pieces and then press into the cross strip piece. I dry assemble (no glue) the sides as shown below and then go back and glue them. To glue them I would take a dry assembled side and remove one of the cross strips. Apply glue to that cross strip (only put glue where the long/dummy strips touch them) and press the cross strip back into place. The other cross strip will help hold the long strips in alignment while re-attaching the glued cross strip. After the first cross strip is glued and back in place, repeat the steps for gluing the other cross strip for that side.

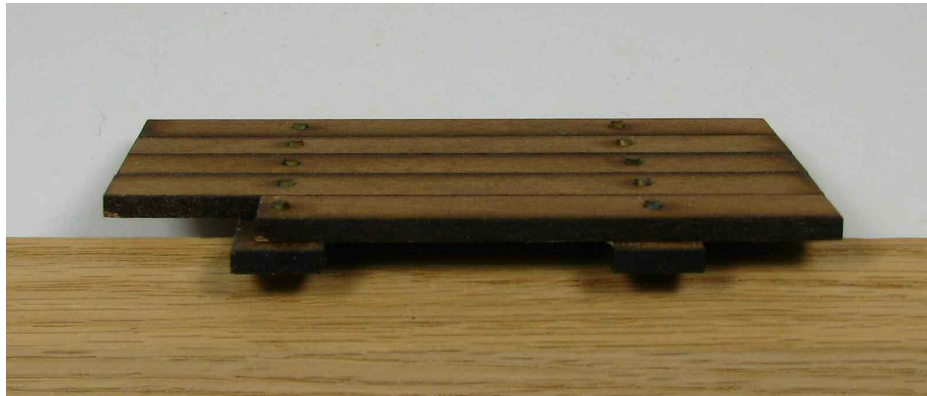


Make sure that after both cross strips have been glued that you place this assembly on a flat surface with the cross strips down. Then make sure that all the long/dummy strips are pressed firmly down onto the cross strips. The pegs may still stick out of the inner side (the side that is now facing up), but these will be sanded down in the next step.



Also make sure that the assembly is square by checking that the cross strips are at a 90 degree angle from the long strips. See picture below.

After the glue has dried take the crate pieces and using a flat surface with sandpaper on it, sand the pegs down flush to the long/dummy strip pieces. If you have a kit with many different types of wood, not all the pegs might be flush. This is due to the slightly different thicknesses of those woods. Just sand down the piece on a flat surface until some of the pegs are flush.



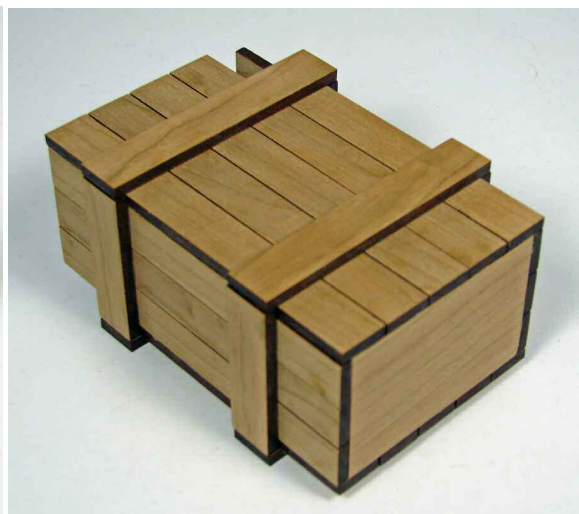
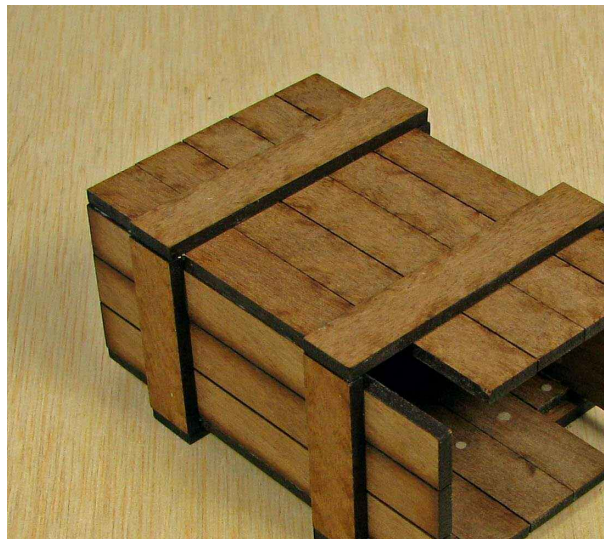
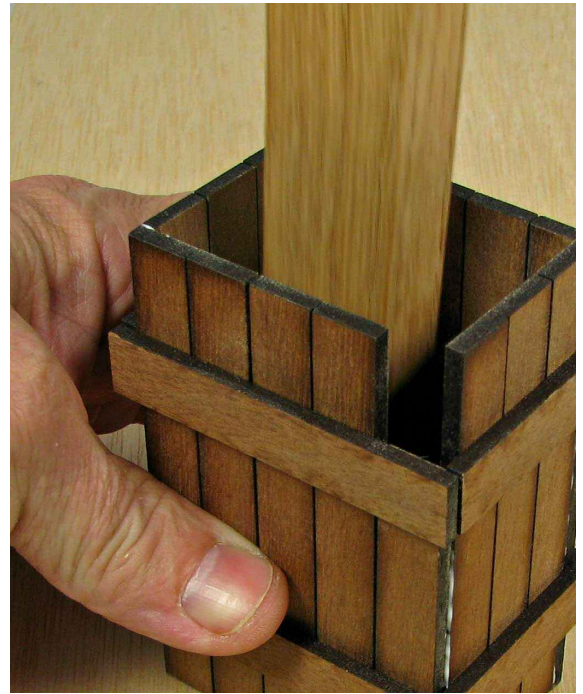
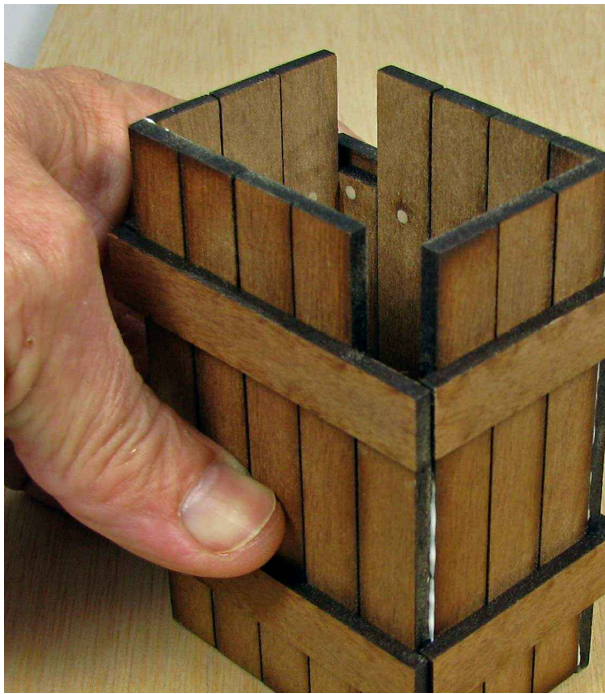
## Assemble Box

After the pegs have been sanded down on all the sides, glue one of the side panels onto one of the larger panels. Glue the end panel onto these two pieces on the end of the box without the short dummy strips. Glue the remaining side onto the end panel and the larger panel. Finally glue the other larger panel onto this assembly. Make sure all the panel pieces are flush with the end panel. You do this by standing the box up onto the end of the box that has the end panel on a hard surface. Squeeze the sides of the box together and push the sides down until they all even. You then use a stick or similar to press down on the inside face of the end panel to make sure it is flush with the ends of the box panels. Clean out any glue squeeze out from the inside of the box.









## Fit the Inner Box

After the outer box pieces have dried, test to see if the inner box fits inside the outer box. The first time it will probably not fit and you will need to carefully sand the sides down until you get a snug fit. The goal here is to get it so the inner box will slide into the outer box but it is still tight enough so it will not fall out. Sand the sides of the inner box on a flat surface like what was done to sand down the pegs on the inside of the outer box panels. Go slowly and test fit the inner box until you get a snug fit. If you go too far and the inner box is loose, you can add some pieces of masking tape to the outside of the inner box to get a tighter fit. After you get a snug fit, slide the inner box into the outer box glue the other end panel onto the end of the inner box. Make sure the glue does not squeeze out and get onto the outer box panels. While the inner box is in the outer box, glue the short dummy strips onto the inner box. Be very very careful not to get any glue on the outer box. It is easier to glue the short dummy strip on the bottom of the box first since there is more area for the piece to stick too. The piece that is on the top of the box is more difficult since there are only the edges of the box to put the glue onto. So be extra careful when attaching this piece so you do not get glue on the outer box.



## Apply Finish

At this point you can apply a finish to your box and you are done.



