



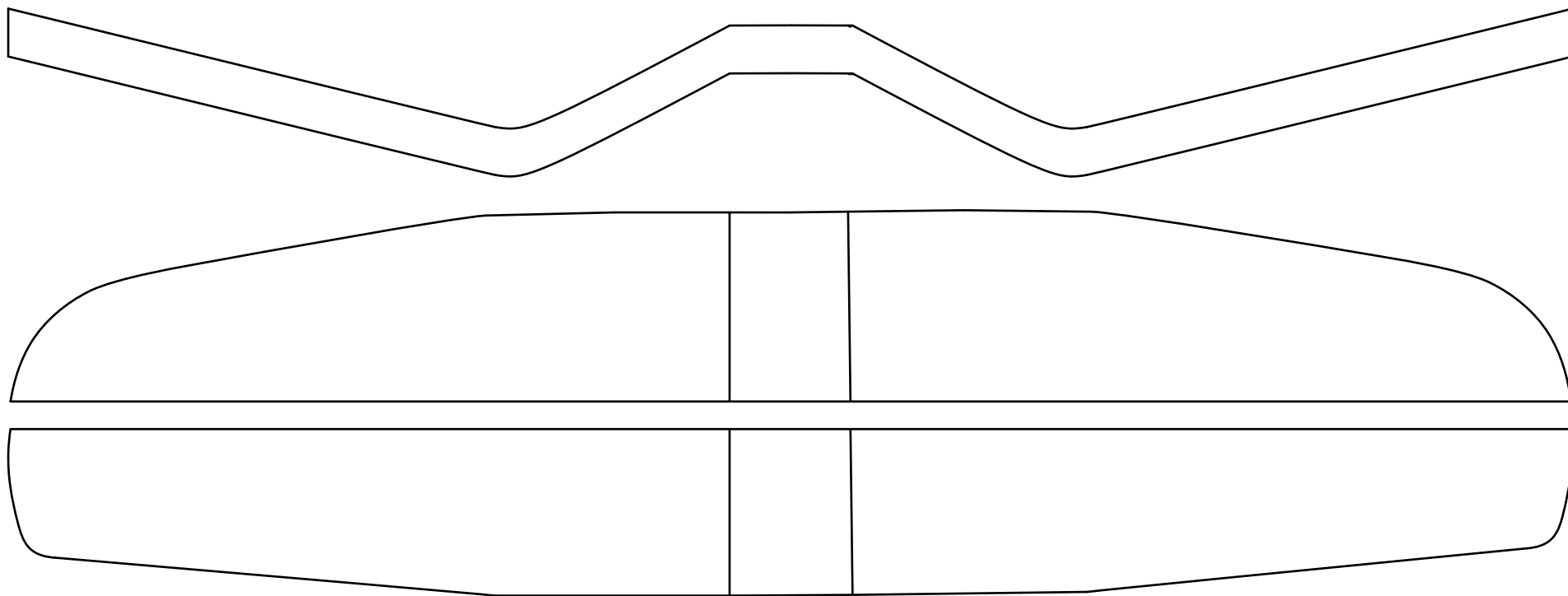
How to make the wing for the WW2 Famous Fighter F4U CORSAIR

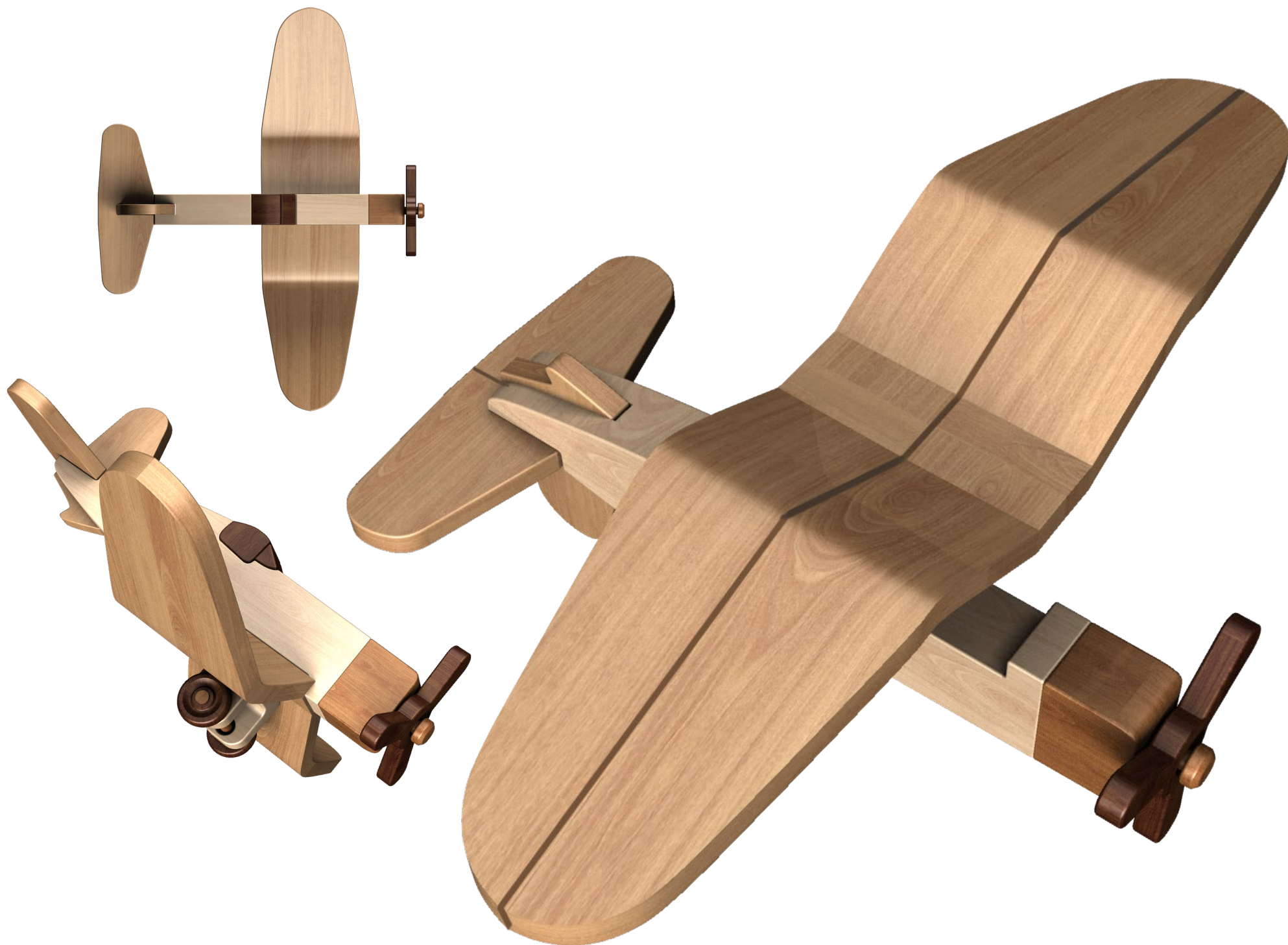


**ACTUAL SIZE PATTERN**

The wing in this tutorial is made of clear poplar that was purchased at a local lumber yard. The original material was 3/4" thick x 2-1/2" wide and came in a 6' length.

Any clear 3/4" thick material at least 3-1/2" wide and 22" long can be successfully used to make the wing.

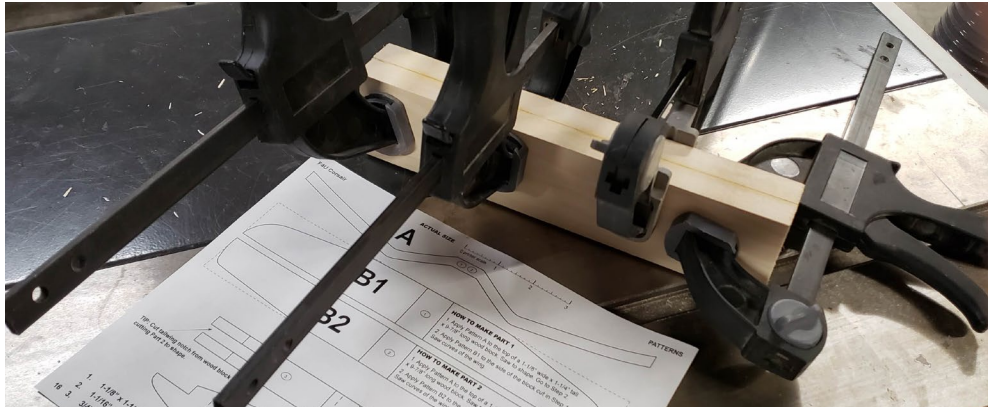




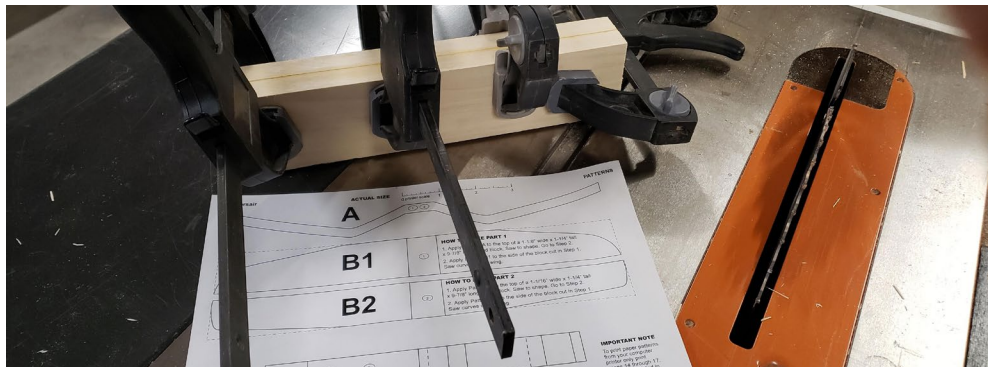
F4U Corsair Wing Tutorial



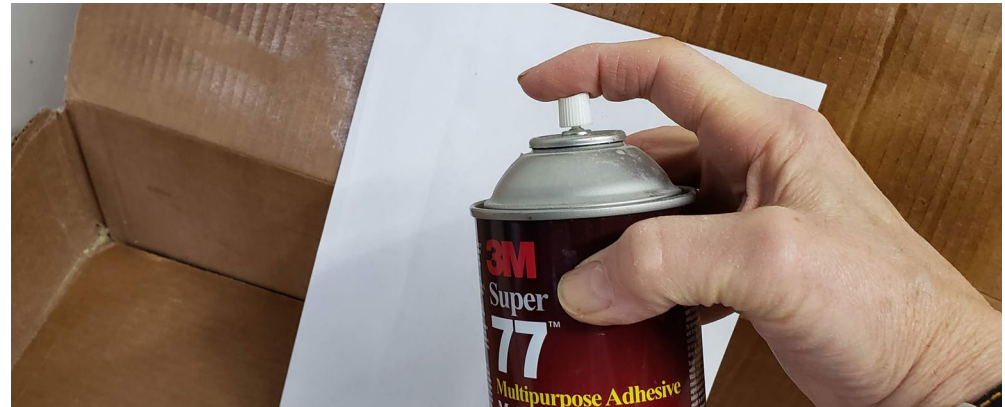
STEP 1: Make two wood pieces 3/4" thick x 2-1/2" wide x 10-3/4" long.



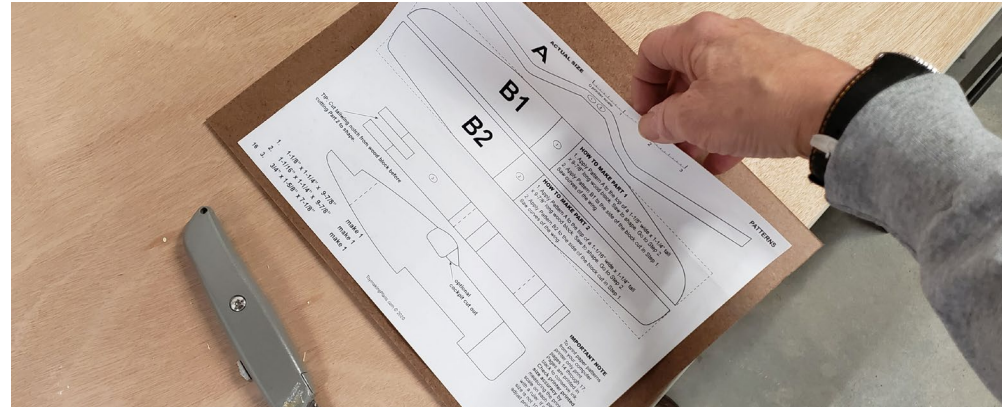
STEP 2: Glue and clamp the two wood pieces together and let dry.



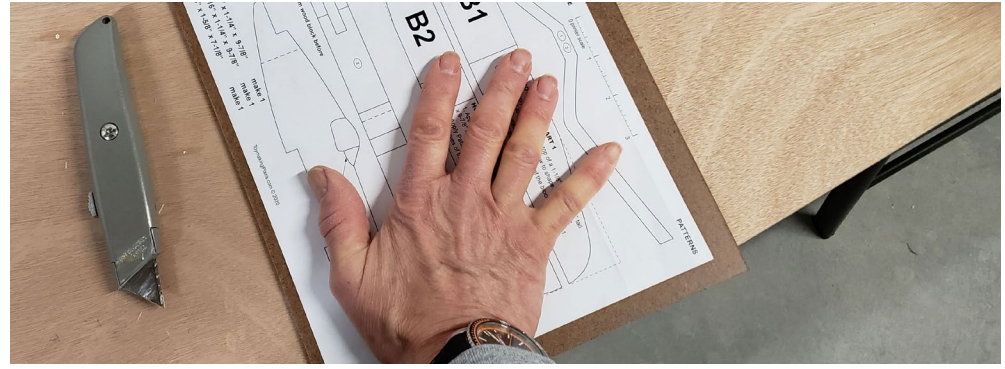
STEP 3: Print a copy of the pattern page 16 from the WW2 Famous Fighters F4U Corsair plan set from ToymakingPlans.com.



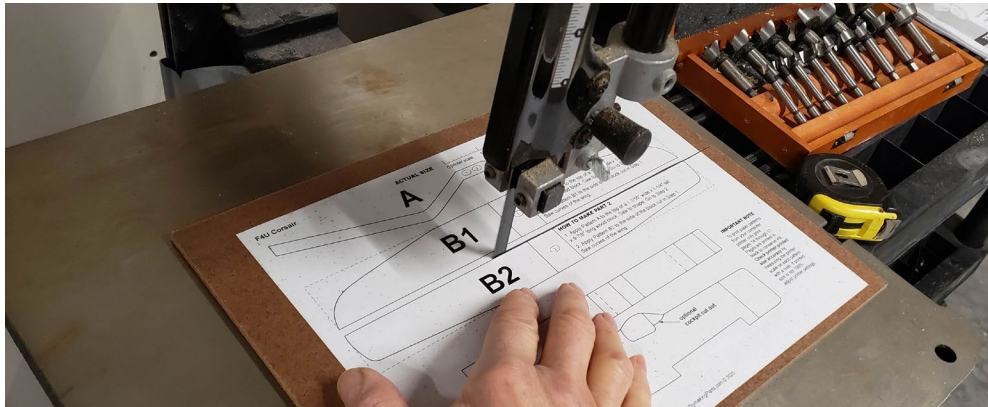
STEP 4: Coat the pattern page back with spray can permanent adhesive.



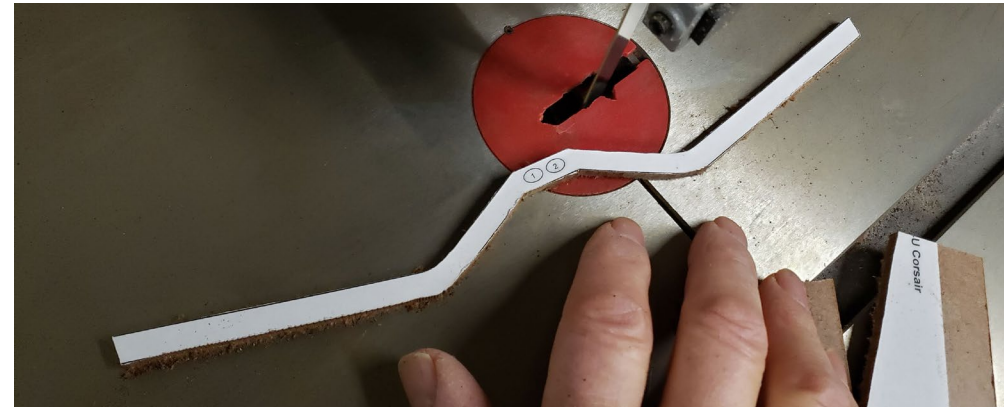
STEP 5: Carefully place the paper flat onto 1/8" thick x 10" x 12" hardboard.



STEP 6: Smooth out the paper in place with the palm of your hand. This is the basis for a set of permanent patterns.



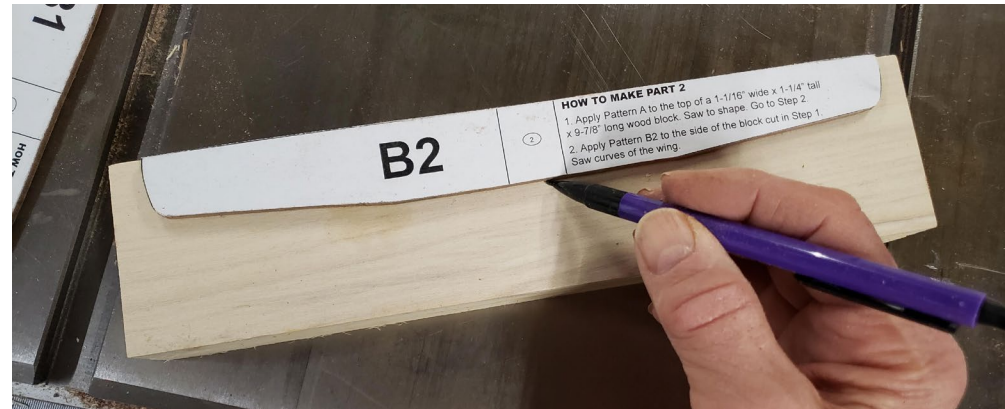
STEP 7: Saw the wing edge pattern and two wing top patterns to shape.



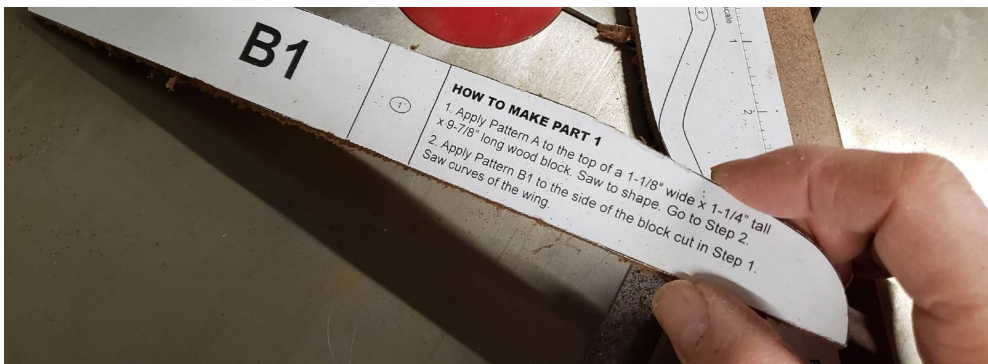
STEP 10: Repeat the Steps 4 to 9 process to create the wing edge pattern.



STEP 8: Make sure to carefully stay just outside the pattern lines.



STEP 11: Use the hardboard pattern to trace the wing shapes onto the wood.



STEP 9: Using 100 grit sandpaper, sand the edges smooth taking care not to sand into the pattern lines.



STEP 12: Patterns B1 & B2 line up with the outside edge of the wood block as shown in the above photo.

F4U Corsair Wing Tutorial



STEP 13: Saw apart wood blocks for B1 and B2. Cut outside the lines.



STEP 14: Trace the edge pattern onto B1 and B2 wood aligned with ends.



STEP 15: The photo above shows the upper trace aligned with lower trace.



STEP 16: Saw B1 and B2 to shape. Keep scrap pieces intact for STEP 18.



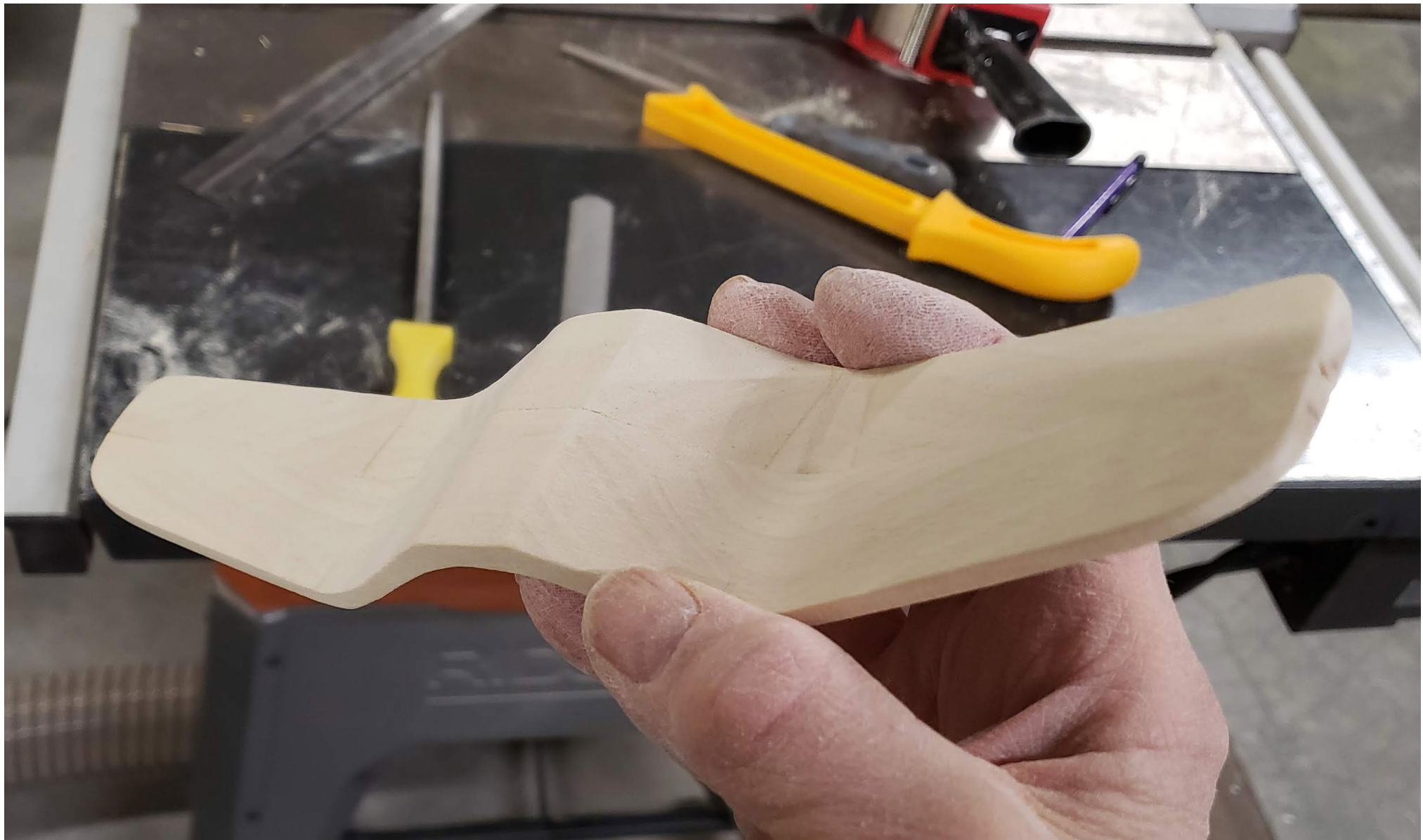
STEP 17: Cut out both B1 and B2 saving the intact scraps for STEP 18.



STEP 18: Tape both ends and middle of the 3 sawn pieces shown in STEP 16 and 17. Next, scroll out the top shape of the wing for both wing parts B1 and B2 as shown in STEP 19 page 7.



Step 19: Glue and clamp Part B1 to Part B2. Let the assembly dry thoroughly and then sand to complete the shape of the wing. Refer to the Plan Views on pages 14 & 15 of the F4U Corsair plan set. See page 8 for photo of the sanded wing.



The completed wing is ready for gluing and clamping to the fuselage of the airplane. The Poplar wood chosen for this project made a strong and easy to cut and sand wing. For a super-strong wing both oak and walnut are preferred choices. Common pine and whitewood also work for this design but must be knot-free pieces for sawing to shape.