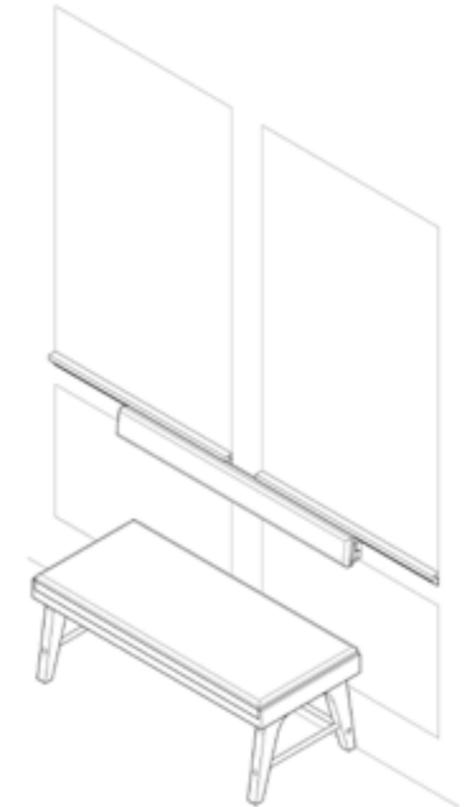


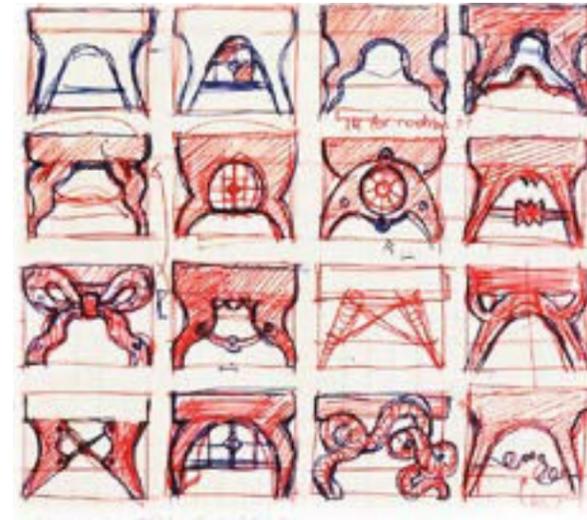
INSPIRATION

I was inspired by the poised shapes of Garry Knox Bennett (top) and the wood joinery details of Michael Pekovich (bottom).



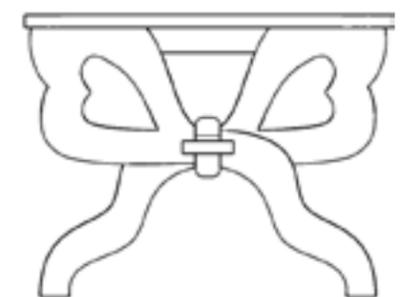
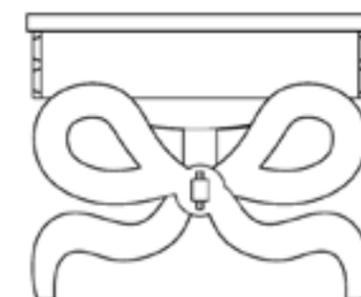
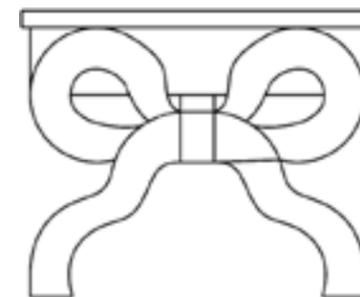
IDEATION

I began with the idea of a bench that could hold a leaf for a dining table. The dining area where this bench would go has large windows, and I quickly realized I needed to add some pizzazz to my silhouette. I drew the proportions I needed and got to sketching.



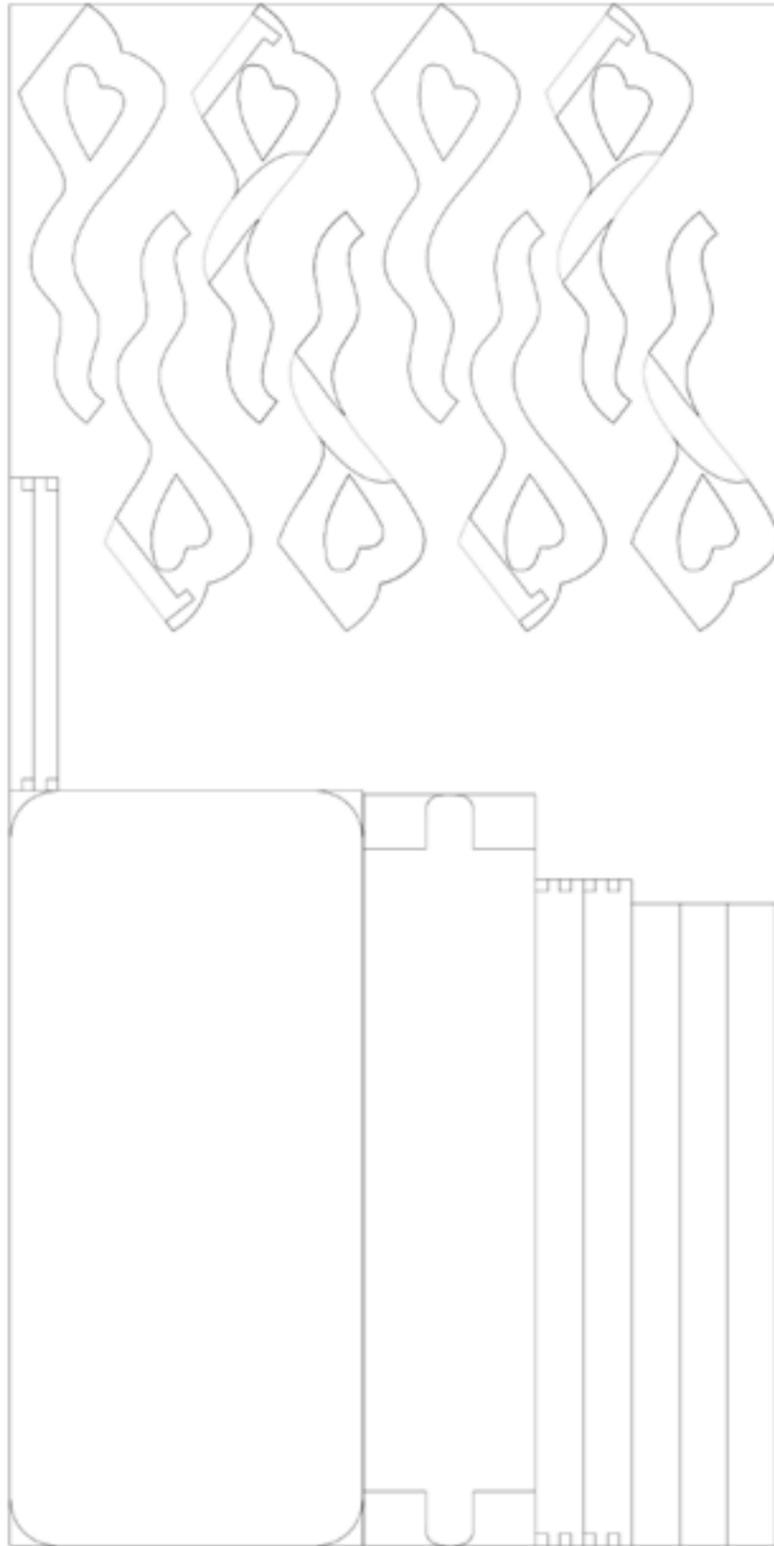
The shape of a bow combined my interests in textiles and personality-filled figurative sculpture. Most compellingly, a "knot" could be made from wood joinery instead of fabric, serving as a bit of a pun or double-speak on the material properties of both.

Above left: cardboard storage bench models.
Above right: Rhino model of first idea.
Left: Sketches.
Below: Rhino iterations of side silhouette.

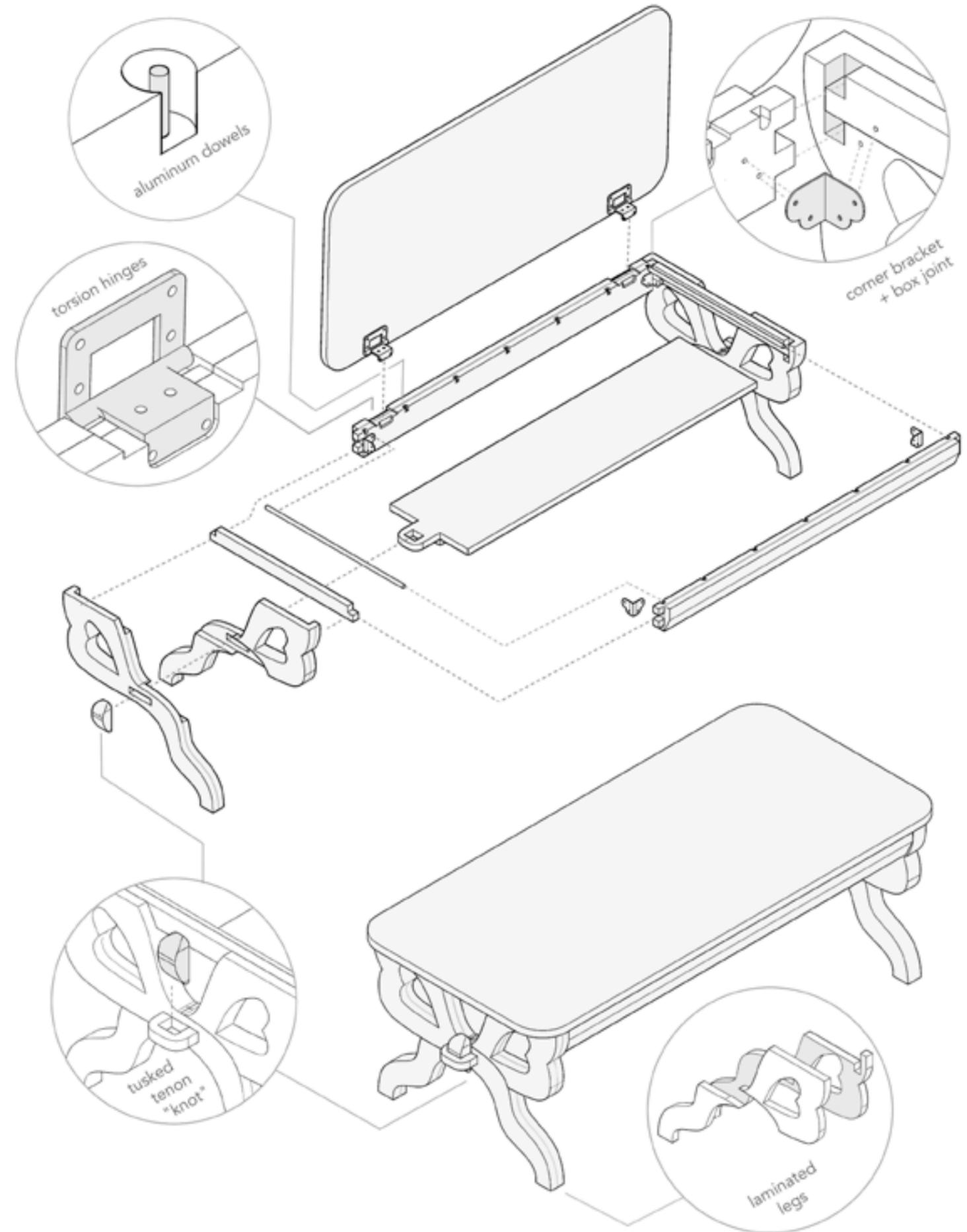


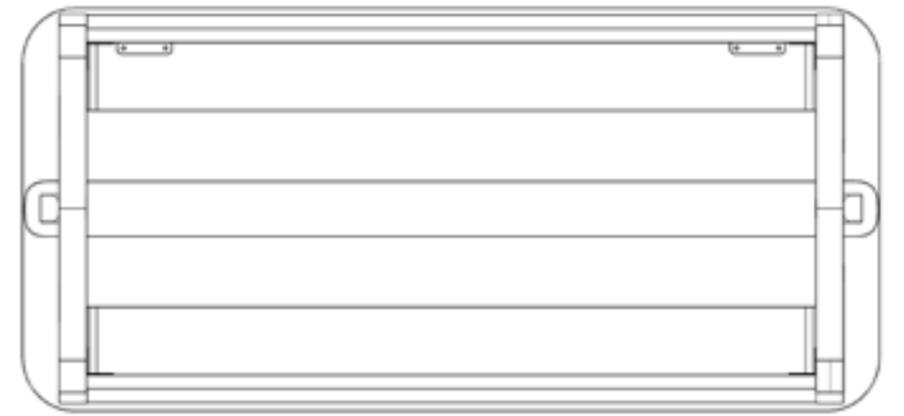
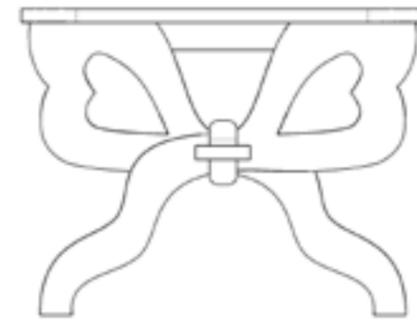
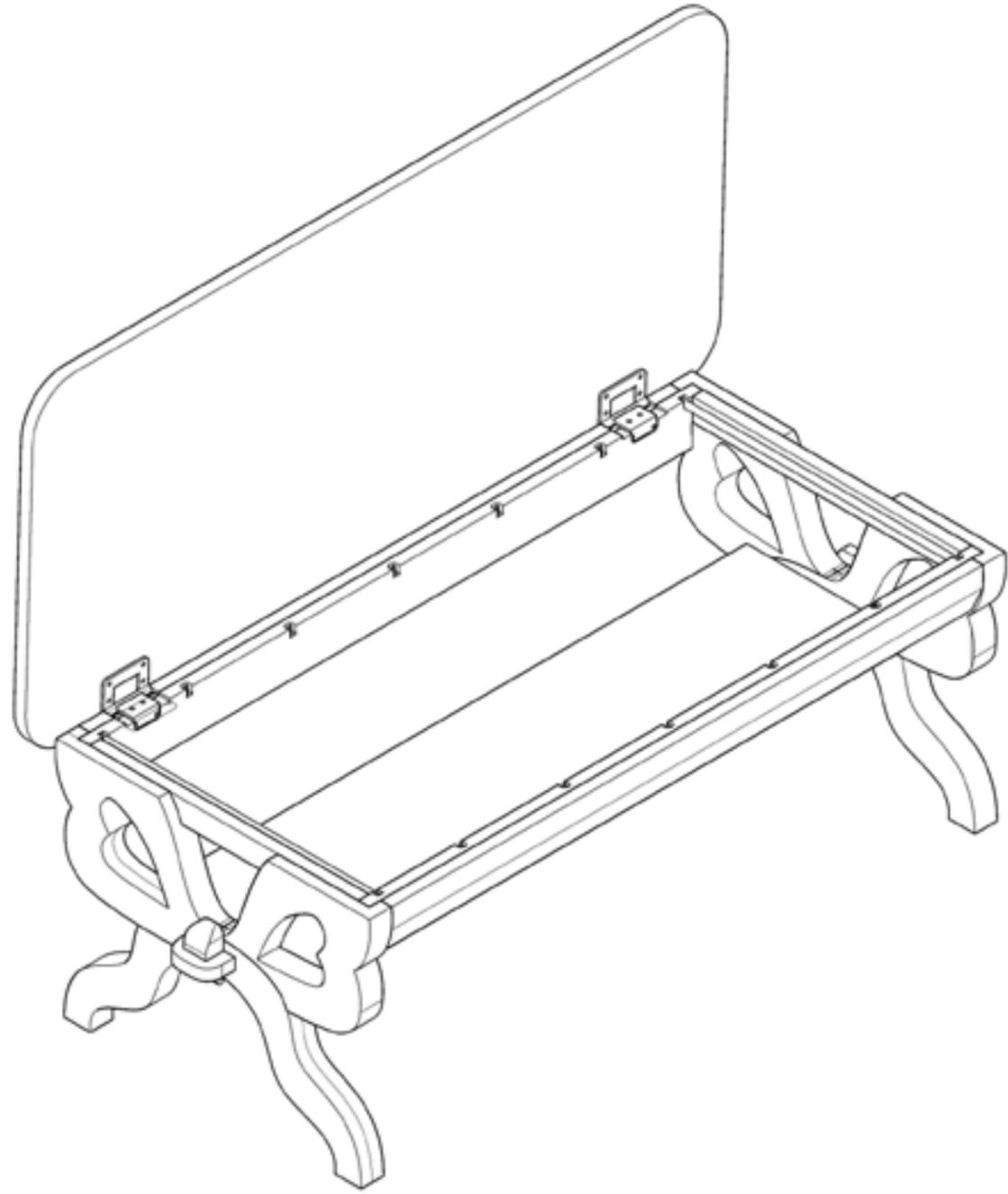
CUT LAYOUT & EXPLODED VIEW

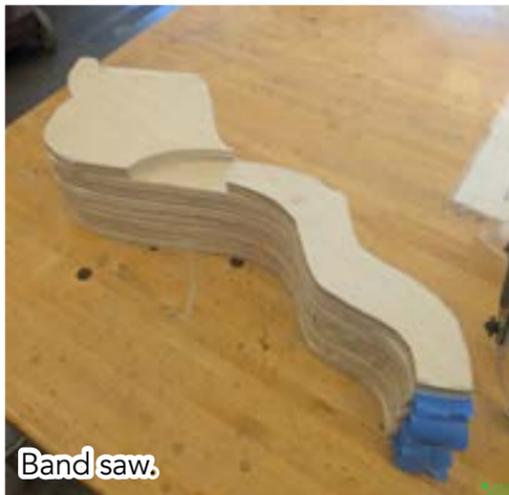
My instructor helpfully suggested a fabric storage envelope for the body of my bench. Only the solid materials are shown in this model.



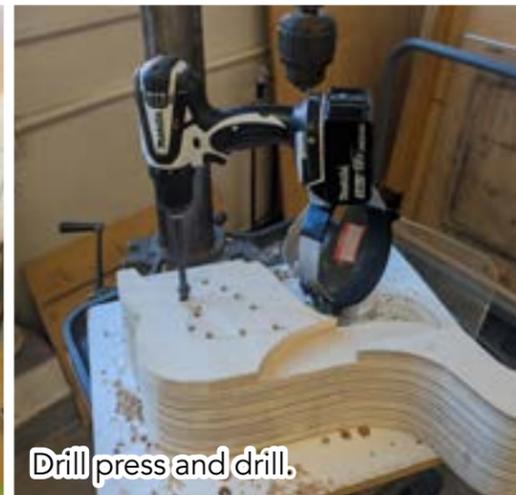
The wooden components of the bench all fit on a 4'x8' piece of three-quarter plywood.







Band saw.



Drill press and drill.



Jigsaw.



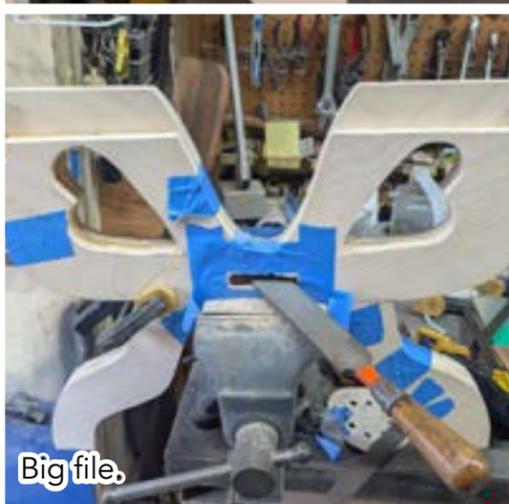
Spindle sander.



Lamination (bows and tusks).



Drill press again.



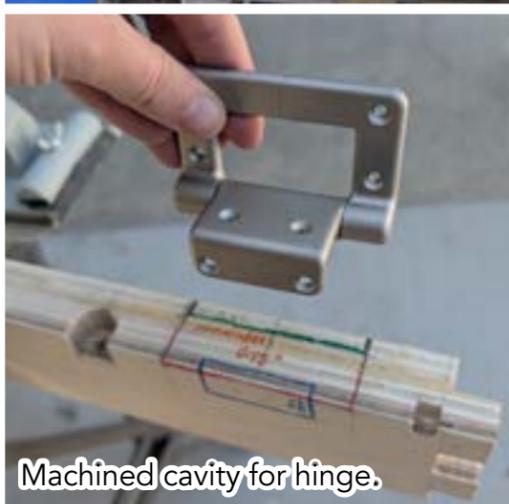
Big file.



Big file again.



Dry fit.



Machined cavity for hinge.



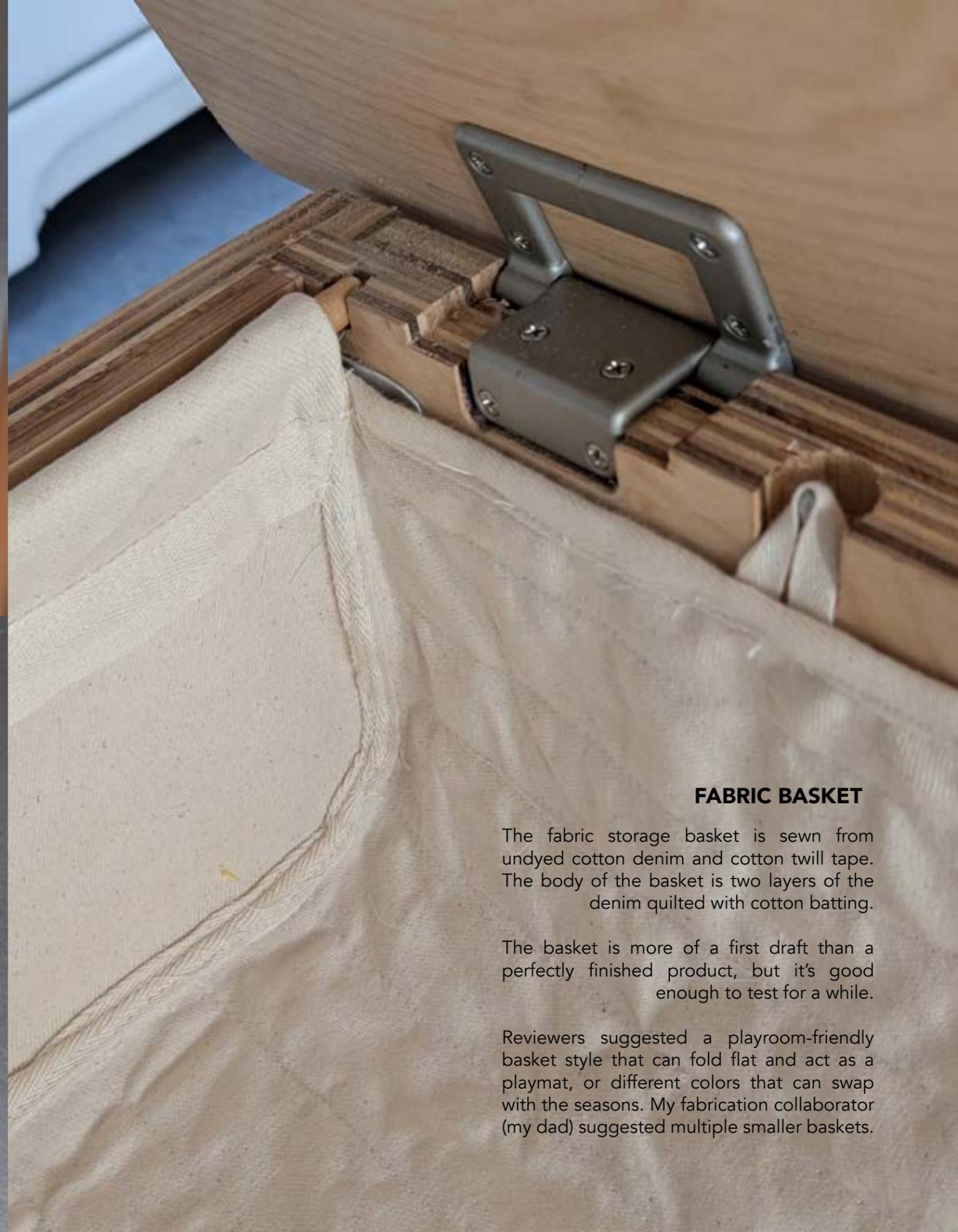
Stain (Minwax Golden Pecan).



Corner brackets.







FABRIC BASKET

The fabric storage basket is sewn from undyed cotton denim and cotton twill tape. The body of the basket is two layers of the denim quilted with cotton batting.

The basket is more of a first draft than a perfectly finished product, but it's good enough to test for a while.

Reviewers suggested a playroom-friendly basket style that can fold flat and act as a playmat, or different colors that can swap with the seasons. My fabrication collaborator (my dad) suggested multiple smaller baskets.