



Stiff-Leaved STUDIO PROJECT Stub Album

Stubs allow an album to accommodate items of varying thickness easily. They also let you include a flexible hinge on the carrier sheet; the stubs lift the leaf out of the hinge and allow it to lay flat. For books holding larger, heavier items, you can make the stubs thicker. Stubbed bindings are a great way to display a few items in a formal manner while presenting them together as a collection.

SIZE

Any size; the model we used is $5" \times 6"$ (12.5×15 cm), landscape

TIME

Time: approx. $3\frac{1}{2}$ hours

Prep: 1 hour

Make: 2 hours

Downtime/Drying time:
approx. 30 minutes

TOOLS

- Bone folder
- Glue brush
- Ruler
- Weight

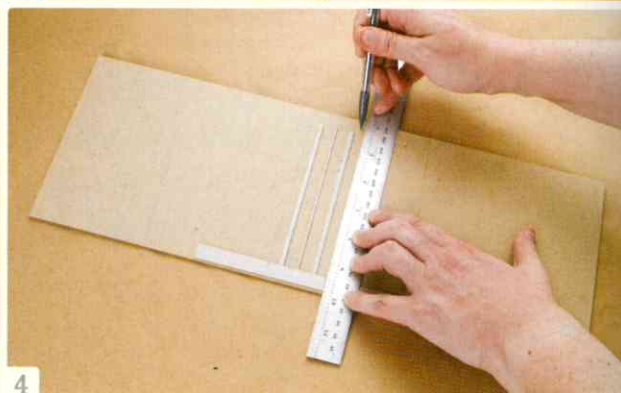
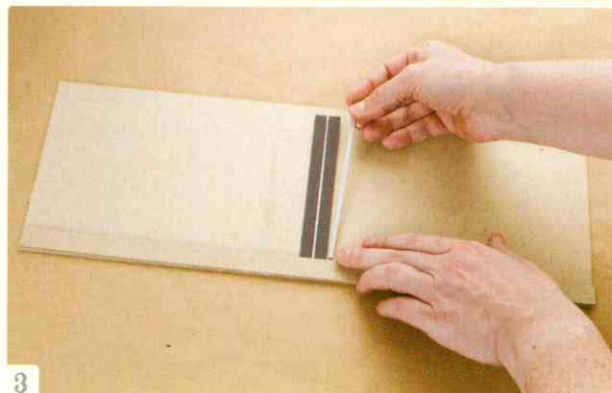
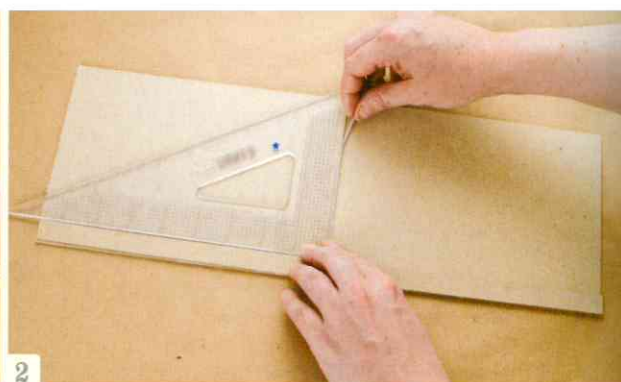
OPTIONAL TOOLS

- 90-degree triangle

MATERIALS

- 32 pieces of 4-ply museum board: 16 pieces for the pages and 16 pieces for the stubs. In this model, we used $4\frac{3}{4}" \times 5\frac{1}{2}"$ (12×14 cm) pieces for the pages and $4\frac{3}{4}" \times \frac{1}{4}"$ (12 cm \times 6 mm) pieces for the stubs.
- 1 more book cloth hinge than the number of pages. In this model, we used seventeen $4\frac{3}{4}" \times 2"$ (12×5 cm) pieces.
- Cloth for cover: height larger than the cover boards by $2 \times$ the turn-ins; width enough to cover one-quarter of the width of the boards, plus the spine thickness ($5\frac{1}{2}" \times 6"$ [14×15 cm])
- 1 piece of .020 pt. or light card stock, cut to $5"$ (12.5 cm) \times the width of the textblock.
- 2 pieces of binder's board covers cut to slightly larger than the textblock \times the width of the textblock. In this model, we used $5" \times 6"$ (12.5×15 cm) pieces.
- Light paper, cut to the height of the covers \times the width of the textblock. In this model, we used $5" \times 6"$ (12.5×15 cm) pieces.
- 1 spine piece of .020 pt. board or light card stock, cut to the height of the covers \times the width of the textblock
- Decorative paper
- Hemp cord or cotton butcher's twine
- PVA





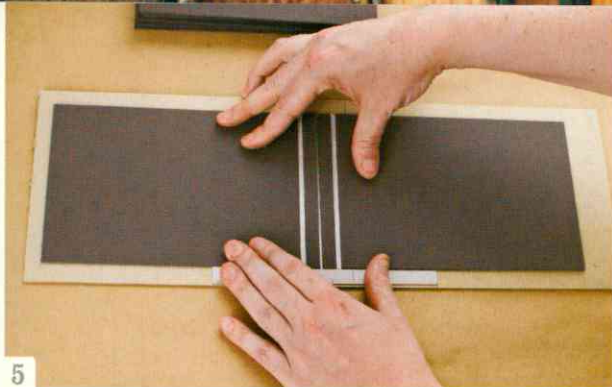
MATERIALS FOR THE JIG

- 1 piece of scrap board large enough to accommodate two stubs and two pages with a slight space in between them. In this model, we used a piece measuring $13\frac{3}{4}" \times 6"$ (35×15 cm).
- 1 piece of scrap board up to which align the stubs and pages. In this model, we used a piece measuring $\frac{1}{2}" \times 13\frac{3}{4}"$ (1.5×35 cm).
- 3 pieces of .020 pt. or light card stock to use as spacers between the stubs and pages:
- 1 piece that is 1 thickness of stub/page material + 2 cloth thicknesses \times the height of the page; in this model, we used a piece measuring $\frac{1}{16}" \times 4\frac{3}{4}"$ ($2 \text{ mm} \times 12 \text{ cm}$)
- 2 pieces that are 4 \times the thickness of the page/stub material + 4 cloth thicknesses \times the height of the page; in this model, we used pieces measuring $\frac{1}{8}" \times 4\frac{3}{4}"$ ($3 \text{ mm} \times 12 \text{ cm}$)

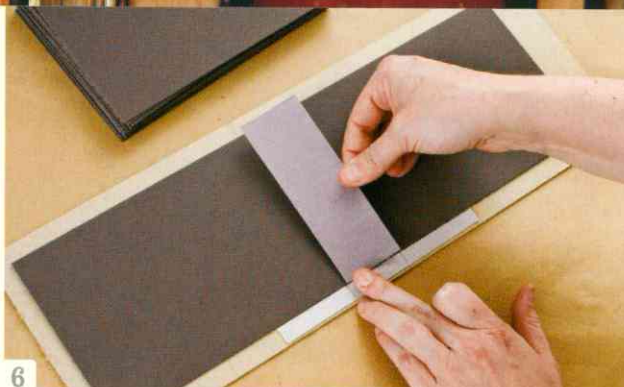
INSTRUCTIONS

Make the Jig

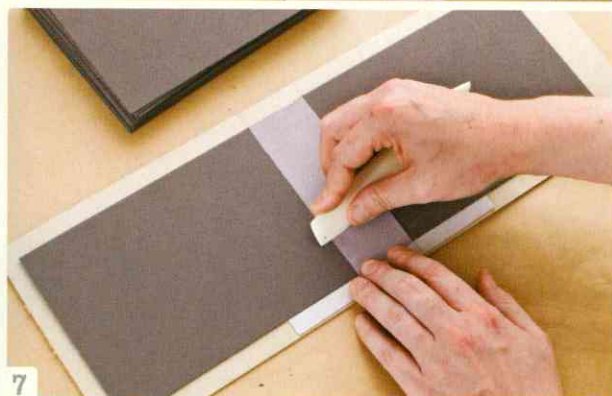
1. Mark the center of the large piece of scrap board. Mark the center of the long strip of scrap board. Adhere the strip of scrap board along the long edge of the large piece of scrap board so that the centers line up.
2. Align the triangle along the long strip at the center point. Adhere the very small ($\frac{1}{16}"$ [2 mm]) spacer vertically next to the triangle.
3. Place a stub on either side of the small spacer. On the other side of both stubs, align and adhere the larger spacers vertically. Try not to have the spacer very tight against the stub, as it will be difficult to remove it later.
4. Draw a line $\frac{1}{4}"$ (6 mm) away from the left and right vertical edges of the large spacers. Extend this line to the long strip of scrap board so that it will be visible when you apply the cloth hinge. You will use this line to help align the cloth hinges.



5



6



7



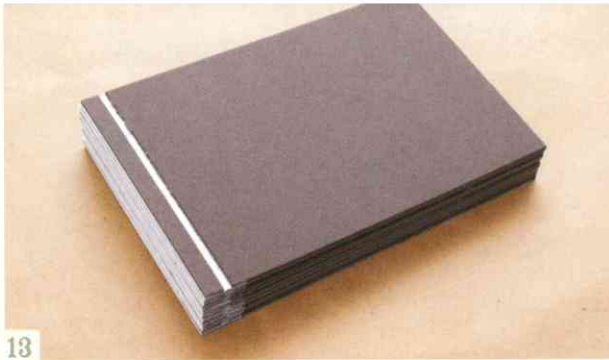
11

Make the Textblock

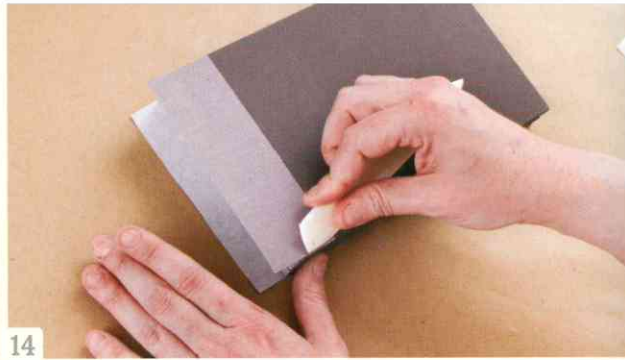
Each leaf is made of a stub and a page, which is hinged to another stub and page.

5. Place a stub-page pair in the jig to the right and left of the small spacer. Make sure each piece is aligned along the bottom as they sit on the long strip of scrap board.
6. Glue a cloth hinge and align it to the marks on the bottom of the jig. The cloth should be the height of the pieces and should extend over the stubs and onto part of the pages.
7. Bone down the cloth.
8. Carefully remove the leaf and stub from the jig and set them aside to let them dry.

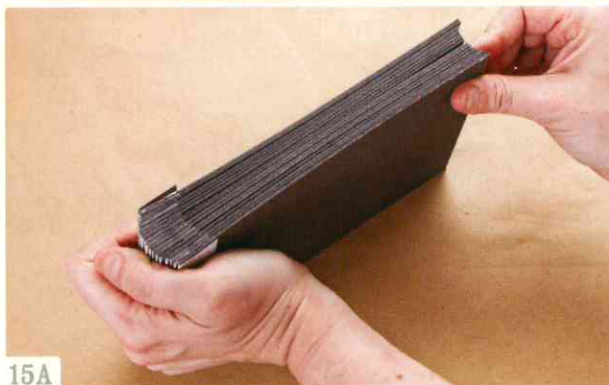
9. Repeat steps 5 through 8 for the remaining pages and stubs.
10. Fold all of the completed pages in half, with the cloth hinge on the inside. Be sure to align the edges so that all of them are even.
11. Each two-page section will now be adhered to another two-page section in the same manner as above to form four-page sections. Put the folded two-page sections into the jig. Glue up the cloth hinge and adhere. Bone them down.
12. Continue until all of the two-page sections are formed into four-page sections.



13



14



15A



15B



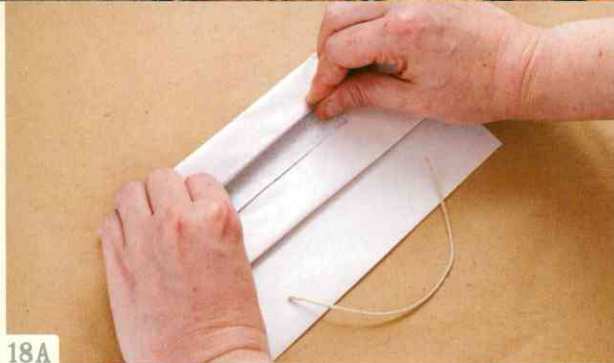
16A



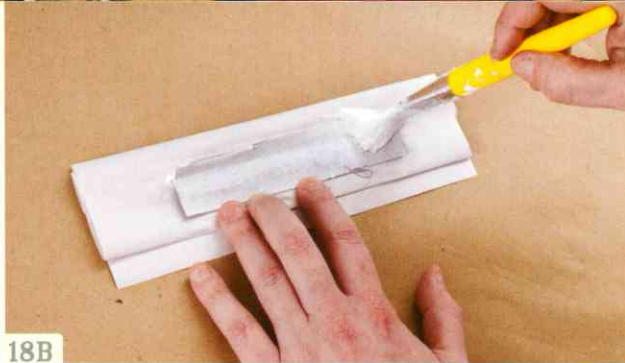
16B

Make the Textblock (continued)

13. Adhere the four-page sections in the same way to make eight-page sections. Continue until all the sections are adhered into a single textblock, with the stubs at the spine edge. Place them under a weight to let them dry.
14. The two remaining hinges will attach the textblock to the case. One half of the hinge will be adhered to the textblock, and the other half will remain unglued until the case is attached. Fold a cloth hinge lengthwise and glue out one side. Adhere it to the textblock with the fold at the spine edge. Repeat on the other side.
15. The spine of the textblock will naturally take on a round shape. Encourage it to be symmetrical by gently pushing the fore edge. The round spine edge should be one-third of a circle, which is very slightly rounded (not as round as half a circle). Make sure the head and tail of the pages are aligned. Place the textblock under a weight and apply a light layer of PVA to the spine. Let it dry.



18A



18B



18C



18D



19

Make Headbands (optional)

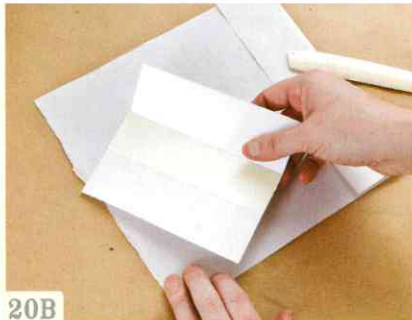
Headbands are decorative elements that sit on top of the head and tail of a textblock. You can buy headbands, or you can easily make them out of a piece of cord or twine and some book cloth.

16. Wrap a piece of waste paper along the spine of your textblock. Mark the edges of the spine on the waste paper and remove it. The marks give the width of the spine.
17. Cut a length of book cloth 1" (2.5 cm) x twice the thickness of the textblock, and cut a piece of cord the length of the cloth.

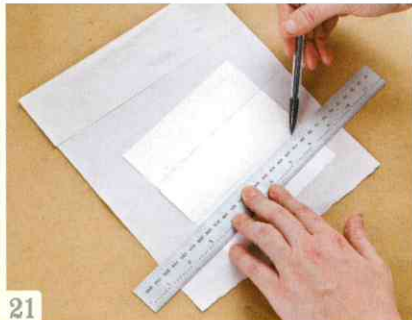
18. Crease the width of the cloth about ¼" (6 mm) down from the top. Glue out up to the crease and a bit over it. Place the cord along the crease. Fold the cloth over and bone along the edge of the cord to make sure the cloth is tight around it.
19. Cut a piece of headband to the width of the spine. Glue it up below the cord and place this onto the spine of the book, with the wrapped cord sitting along the head and tail, being sure to bone it down.



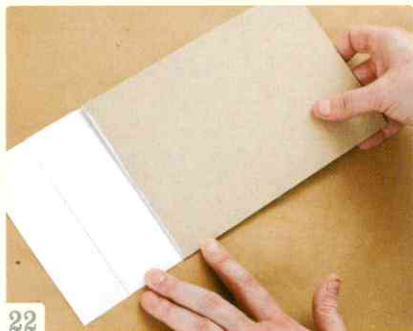
20A



20B



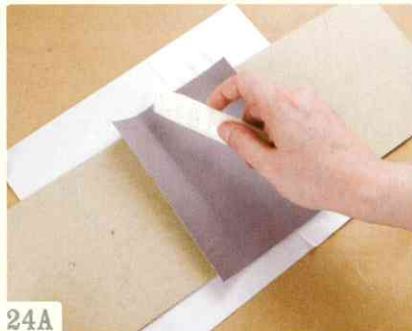
21



22



23



24A



24B



25A

Make the Case

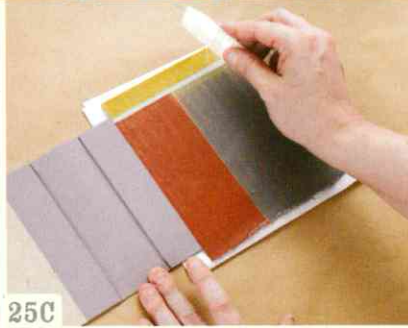
20. Adhere the spine piece to the center of the light paper. Fold the paper along the edge of the .020 pt. board to give it a clean edge.
21. On the reverse side of this piece, mark a line $\frac{1}{4}$ " (5 mm) out from the spine piece on both sides.
22. Apply a line of glue the width of the glue brush along the spine edge of a cover piece. Align it to the marks on the side of the spine piece. Glue it down. Adhere the other cover.
23. Wrap the cover around the textblock, keeping the round portion of the textblock even. Set it under a weight and let it dry.

Cover the Case

24. Remove the case. Place it on a piece of waste paper with the .020 pt. board facing down. Glue up the $5\frac{1}{2} \times 6$ " (14 × 15 cm) cloth and gingerly place it over the spine. Bone it down, working it into the grooves of the front boards. Flip it over and work down the turn-ins, working out any wrinkles at the joints. Place it on a textblock to dry, working a curve into the spine strip again.
25. Working on the case only, remove the textblock. Glue up the decorative paper and adhere it to the front and back cover boards, going over the cloth about $\frac{1}{16}$ " (2 mm). Bone it down. Flip the boards to miter the corners and work the turn-ins. Repeat for the other side.



25B



25C



26



27A



27B



28A



28B



28C



28D

Case In the Textblock

- 26.** With the textblock in the case, place a piece of waste paper under the cloth hinge of the textblock. Carefully open the case, being sure to not shift anything.
- 27.** Glue up the hinge, remove the waste paper, and close the case onto the glued hinge. Pound it down. Flip the book and repeat this step on the other side. Set it under a weight to dry.

- 28.** Open the covers, and glue up a piece of $5\frac{1}{2}'' \times 6''$ (14×15 cm) book cloth. Carefully align this on the inner cover board, covering a portion of the hinge. Bone it down. Repeat for the other side. Place it under a weight to dry.

BOOK ART STUDIO HANDBOOK



Q U A R R Y

TECHNIQUES AND METHODS FOR BINDING BOOKS, CREATING
ALBUMS, MAKING BOXES AND ENCLOSURES, AND MORE

STACIE DOLIN AND AMY LAPIDOW