

Patterns for doctor bag (L02-0003) 30W x 24H x 7.5D cm



⚠ IMPORTANT NOTES. PLEASE READ BEFORE YOU START ⚠

- Go through the instruction before you transfer and cut the patterns. It will help you understanding the patterns and give you a general idea on what will be doing. Don't hesitate to contact us if you have any problems with the patterns - Your input will help us to improve the patterns/instruction.
- We usually provide full-scale patterns except for patterns such as shoulder strap which may be too long to print. We will specify it in the patterns. Always read carefully the pattern symbols, you may need to mirror the patterns, or do some cut and glue works to join the patterns before you can use it.
- How to print the instruction and patterns:
 - * For this instruction, you can scale and print it at any size that you want.
 - * For the patterns, you must choose the correct file (size), set the print scale to 100%, or print it at actual size in order to print full-scale patterns. Available sizes is listed in page 4 of this instruction.
- Follow the instruction. DO NOT PUNCH ANY HOLES FIRST.
- The materials and tools listed in this instruction are for reference only. You may need to adjust the thickness of leather or size of hardwares according to your favours.
- Feel free to modify the patterns but we strongly suggest that you should test the modified patterns using paper or fabric mock up.
- The patterns and instructions are only for personal use and are not permitted to be used for commercial purpose. Please do not resell, reproduce, distribute by any means or profit in any way.

FAQ FOR THIS PATTERNS

It seems that the leather that I am using is a bit thin for the straps. What should I do?

The shoulder strap is made of 2 long straps. The recommended width is 2cm. If the leather that you are using is thin, you should adjust the pattern to reinforce the strap. Methods are introduced in section 3.8.1.

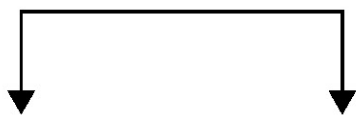
The suggested size for metal frame is 24cm x 8cm. Can I use a larger or smaller frame?

No. This pattern fits for a metal frame in 24cm x 8cm only. It should be no problem if it is just 0.5-1 cm larger or smaller. You may purchase the frame in local craft stores, or buy directly from us.

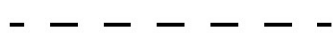
You attach the swivel clasps to the frame, and D-rings to the shoulder straps. Can I swap?

Yes you can.

UNDERSTANDING PATTERN MARKINGS



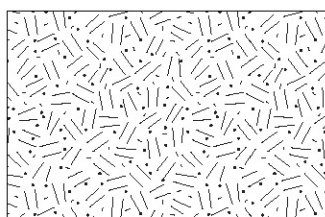
On the Fold : This mark indicates the pattern piece only embodies half of the fabric/leather piece, it should be positioned along the fold of fabric/leather to create of a whole, proportioned piece.



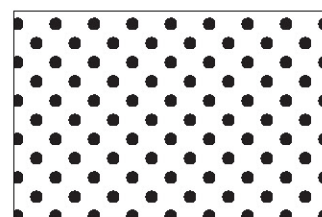
Stitching Line : It is where you should sew. The seam allowance we usually use is 3/4/5mm in from edge.
Read our instruction for details.



Adjustment Line : This marking features two heavy, bold lines running parallel. It is where you can shortened or lengthened the patterns.
Due to printing size limitation, this is often be used on long straps for our patterns. Follow the recommended size to create a complete pattern.



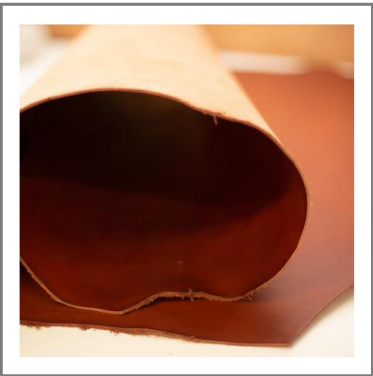
Flesh side of leather



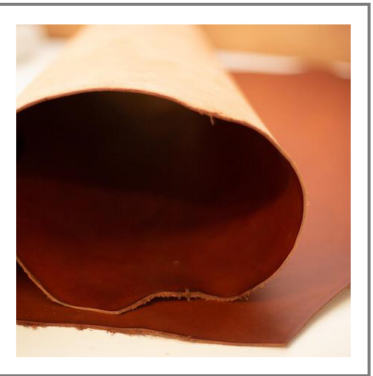
Glue area

MATERIALS NEEDED

ingenious design



2mm (5oz) veg-tan leather
(Color A)



2mm (5oz) veg-tan leather
(Color B)



Waxed thread



Contact adhesive glue



22 x 32mm Tuck lock x 1



9mm Single cap rivet x 2
(Post 12mm-15mm)



9mm Single cap rivet x 6
(Post 8mm)

Suggested post length only.
You will need to select a proper length
depends on the thickness of leather.



20 x 12mm inner size
Rectangle ring x 1



27mm inner width
Pin buckle x 1



20mm D ring x 2



20mm Swivel clasp x 2



Metal frame for doctor bag
(24cm x 8cm)

TOOLS NEEDED



2mm/4mm Diamond chisel



Cutting mat, steel ruler
and sharp knife / cutter



Hand stitching needles
for leather



Adjustable edge creaser



Hammer



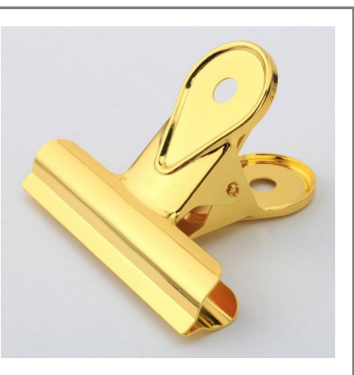
Leather marker pen



3mm Hole puncher



Rivet punching tools



Bulldog clips

[1] HOW TO PRINT 1:1 PAPER PATTERN

- 1) Set the print scale to 100%
- 2) Patterns in US letter / A4 / A3 size are available.

IMPORTANT: The patterns and instructions are only for personal use and are not permitted to be used for commercial purpose. Please do not resell, reproduce, distribute by any means or profit in any way.

[2] MARK AND CUT

After carefully cutting out a template out of paper you can transfer these to the hide and cut your pieces.

** This is NOT a complete pattern. Read carefully the pattern symbols to complete the final patterns.

** REMEBER: Follow the instruction. DO NOT PUNCH ANY HOLES FIRST.

Tips: Keeping tools sharp is essential for ensuring accuracy.

[3] YOU MAY START NOW

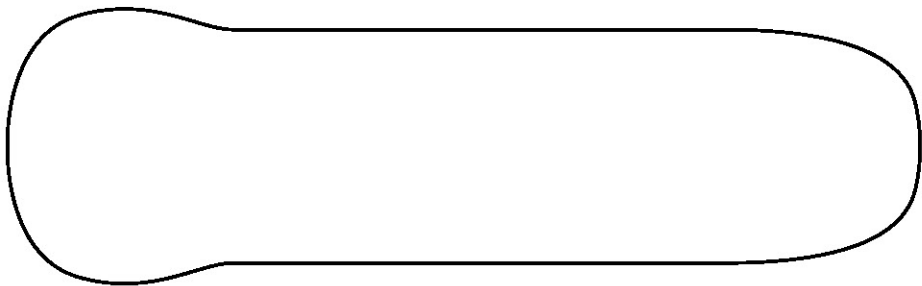
Before punching the stitching lines and rivet holes, let's prepare all the little pieces first.

Tips: Any smooth surfaces are roughened up with sand paper before the glue is applied to give a firm bond.

3.1.1 Tuck lock holder

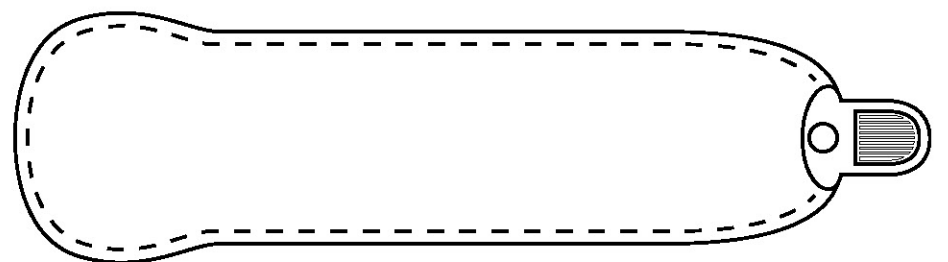
- Work on Pattern D - Burnish leather edges or paint the edges. See how (from thrid-party website):

- * Burnish leather edges: <http://bit.ly/burnish-edge>
- * Paint the edge: <http://bit.ly/paint-edge>



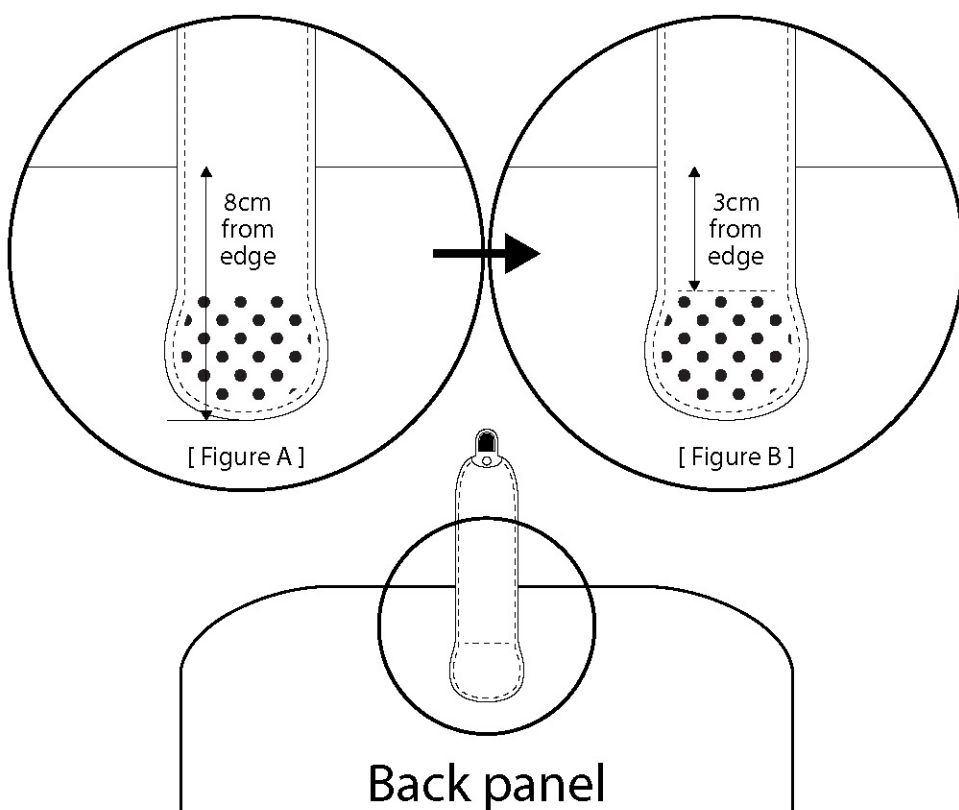
3.1.2 Tuck lock holder

- Install the tuck lock on the tuck lock holder.
- Pierce holes by a 2 & 4mm diamond chisel. 3mm in from edge.



3.2.3 Tuck lock holder

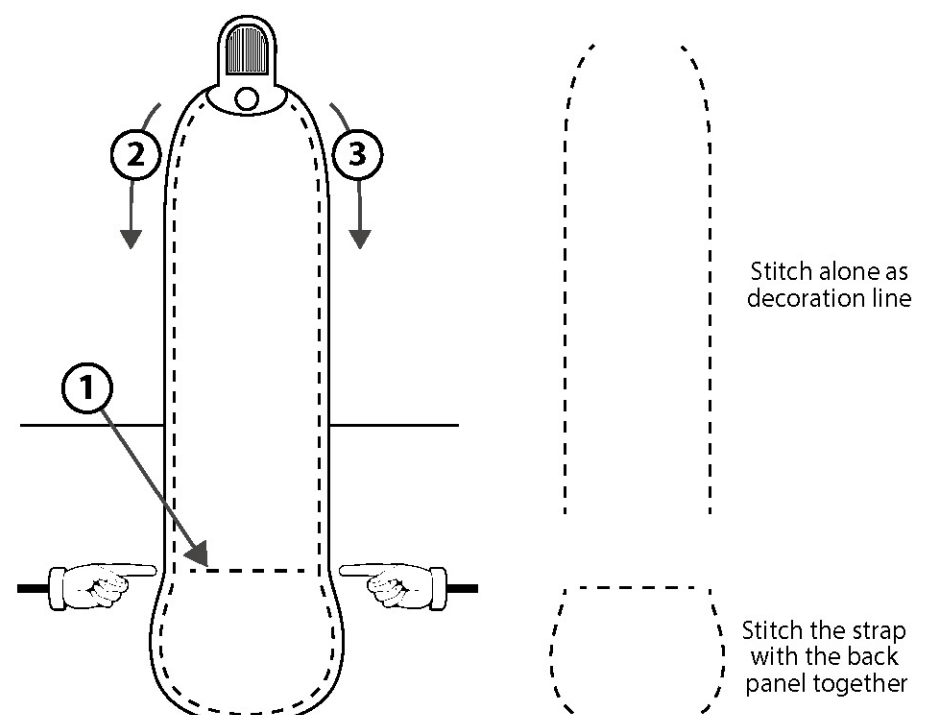
- Put the tuck lock holder at the center of Pattern A (Back panel), and measure 8cm down from edge.
- Figure A: Glue the indicated area to secure the strap.
- Figure B: Measure 3cm down from edge. Pierce holes by a 4mm diamond chisel.



3.2.4 Tuck lock holder

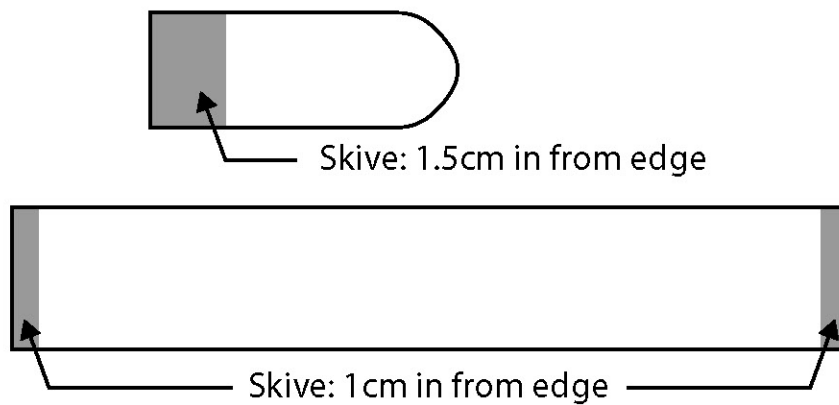
- ① Stitch the strap and the back panel by a straight line together.
- ② Stitch the strap starting from the top left, to the bottom center, and then ③ from the top right, to the bottom center.

⚠️ Stitch the strap with the back panel together starting from the points: ————



3.3.1 Front panel

- Burnish leather edges or paint the edges for Pattern B and C.
- For easier stitching, you may need to make the leather thinner for (1) The short sides of Pattern B (around 1cm in from edge), and (2) the top short side of Pattern C (around 1.5cm in from edge). See how (from third-party website): <http://bit.ly/skiver-leather>

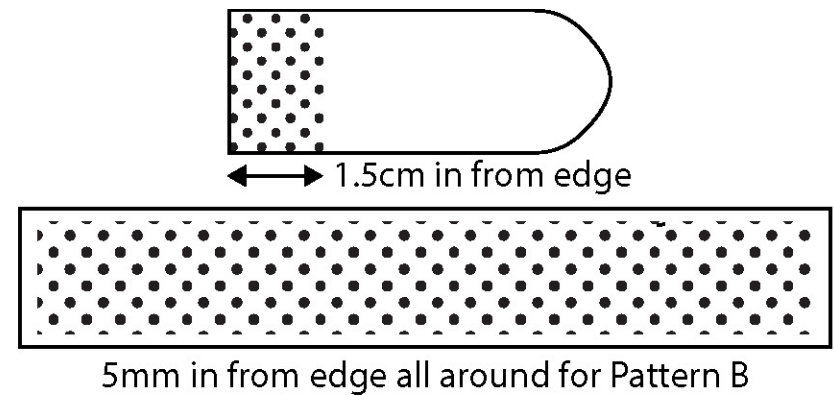


3.3.2 Front panel

- Add the tuck lock foot on Pattern B (around 7.5cm down from the edge to the center of the foot).

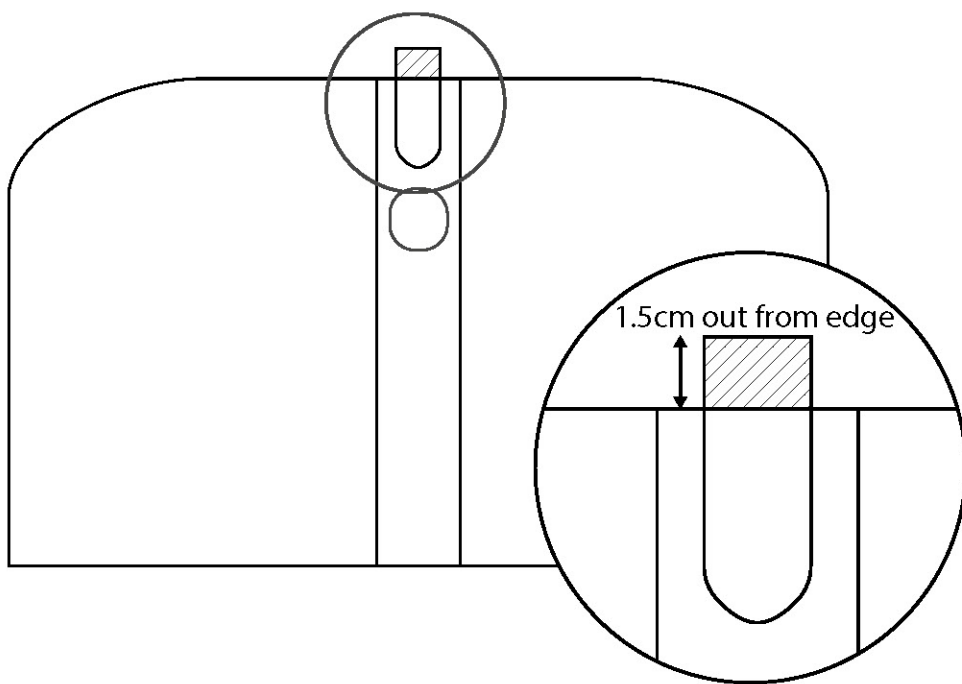


- Glue the fresh side of the indicated area after skive.



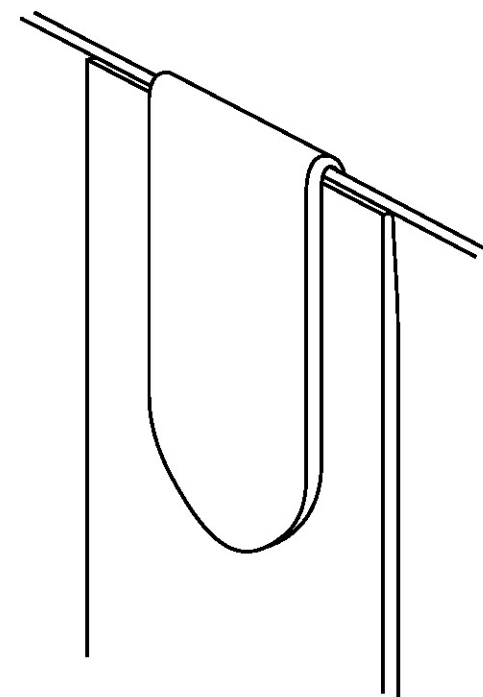
3.3.3 Front panel

- Put Pattern B & C at the center of Pattern A (Front panel).



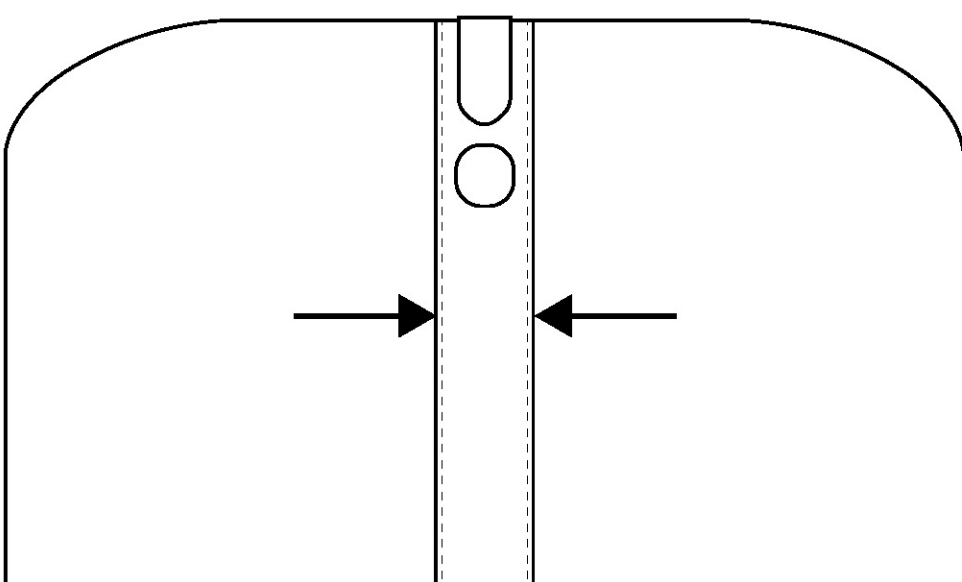
3.3.4 Front panel

- Pattern C: Fold the skived & glued part to the back.



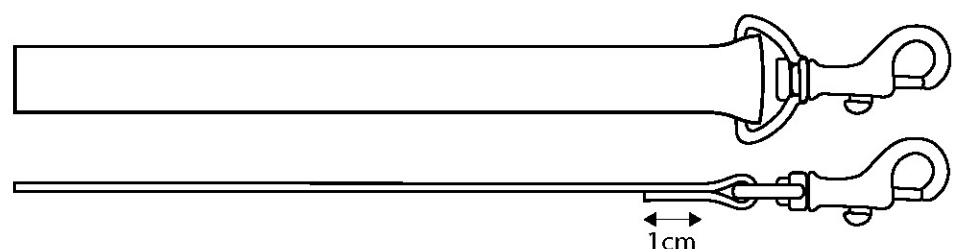
3.3.5 Front panel

- Pierce holes by a 4mm diamond chisel. 3mm in from edge for the long sides of Pattern B.
- Stitch using waxed thread.

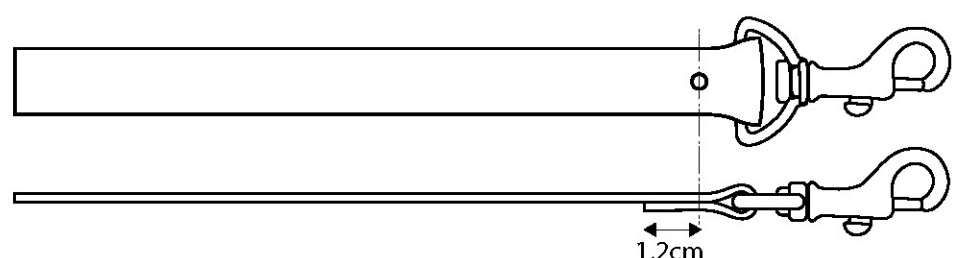


3.4.1 Shoulder strap holder

- Work on Pattern E: Burnish leather edges or paint the edges.
- Add the swivel clasp. Use glue to secure in place first.



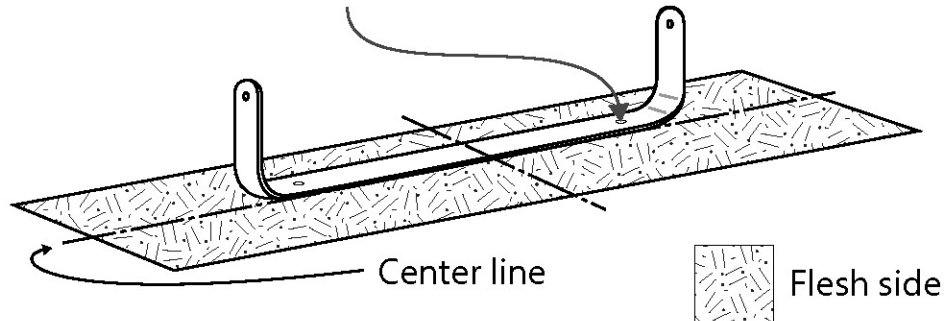
- Punch a 3mm hole on the shoulder strap holder.



- Do the same for the other shoulder strap holder.

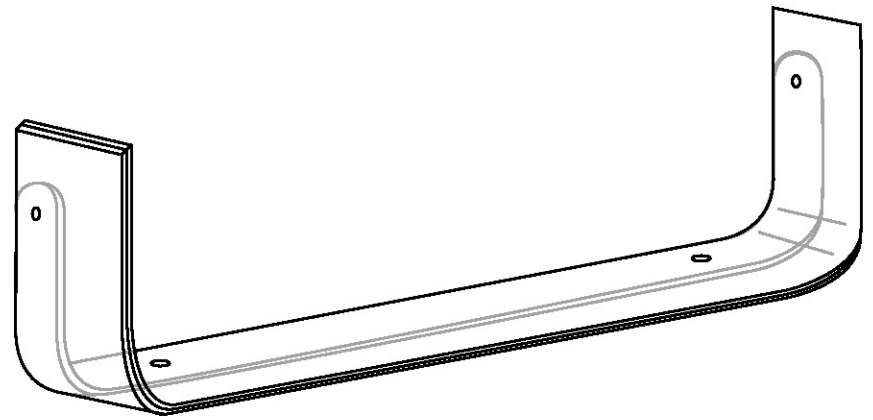
3.5.1 Wrap metal frame with leather

- Wrap the metal frame cover with leather. You may use glue or double adhesive tape to help wrapping.
- You may use a awl to cut a little hole on one side of the leather first. It would be easier for you to awl the other side after wrapping.



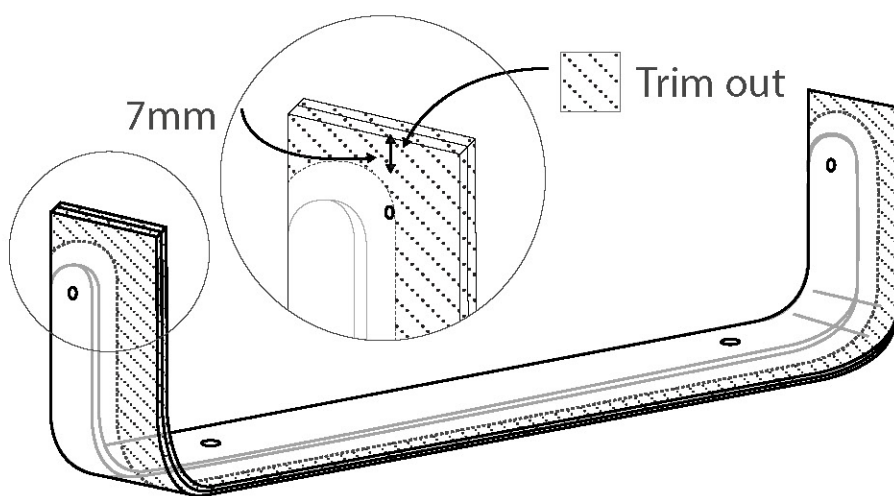
3.5.2 Wrap metal frame with leather

- You should have something like this after wrapping.



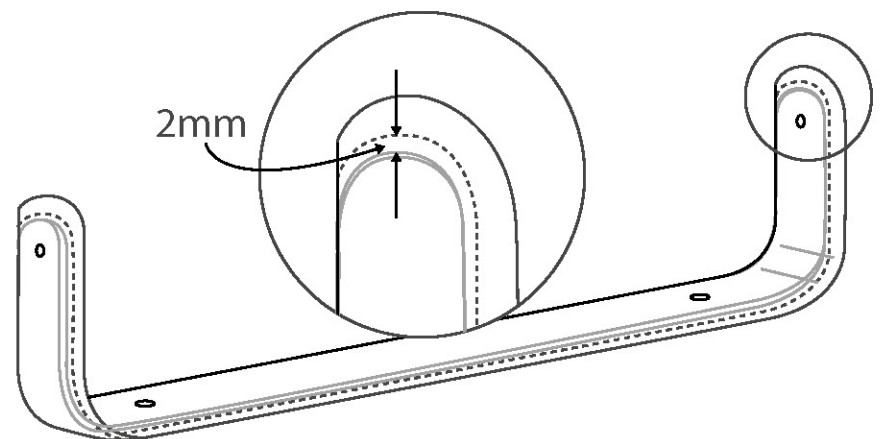
3.5.3 Wrap metal frame with leather

- Measure 7mm from the frame edge, use cutter or scissors to trim the surplus.



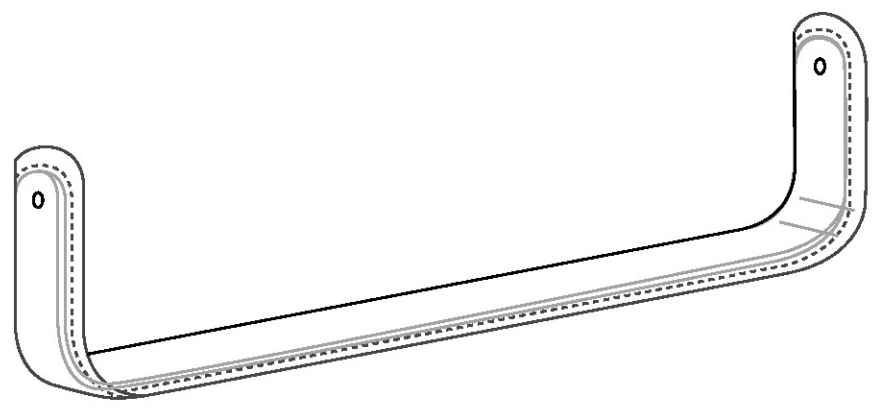
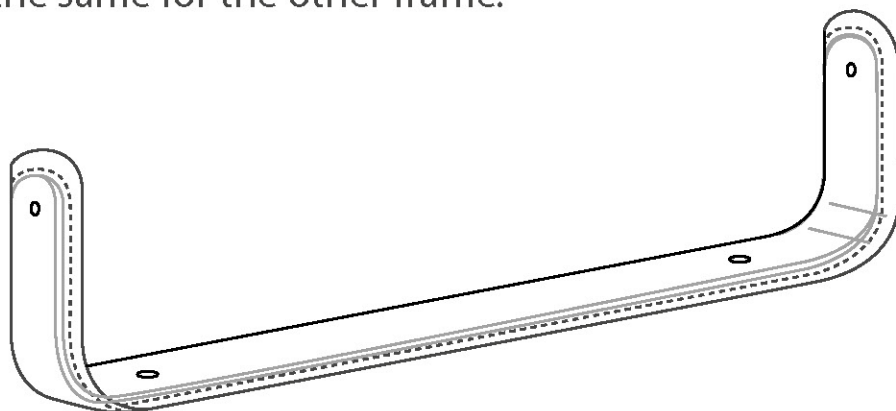
3.5.4 Wrap metal frame with leather

- Burnish the edges or paint the edges. Pierce holes by a 4mm diamond chisel. 2mm out from edge of frame.



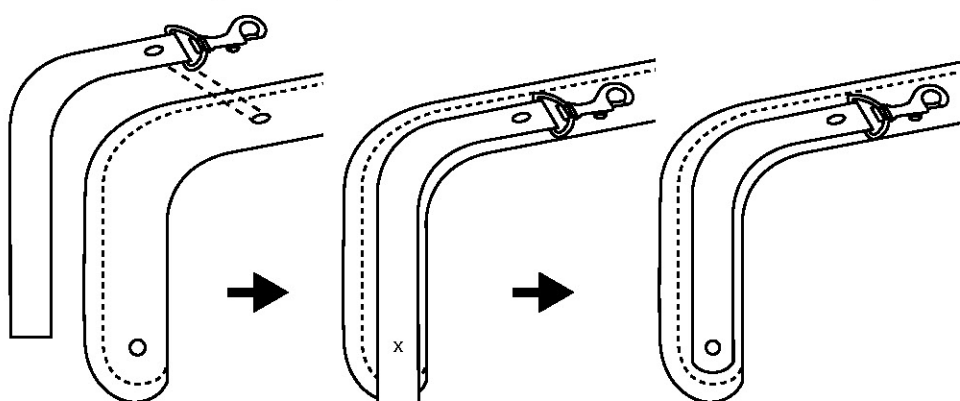
3.5.5 Wrap metal frame with leather

- Do the same for the other frame.



3.5.6 Wrap metal frame with leather

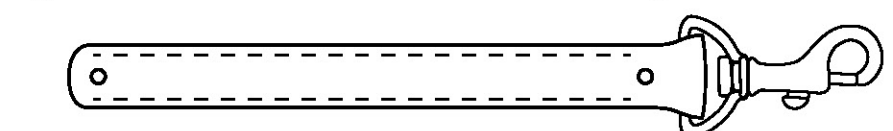
- Use the holes of shoulder strap holder and the metal frame as the anchor point, mark the hole position for rivet (for the joint), punch a 3mm hole, cut the surplus.



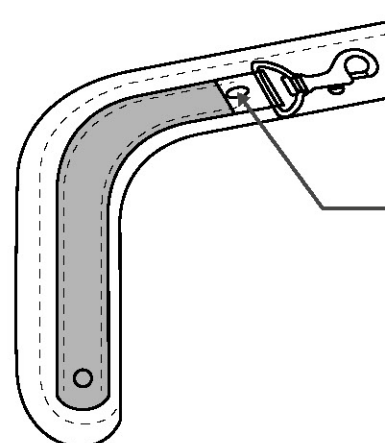
- Do the same for the other side.

3.5.7 Wrap metal frame with leather

- Pierce holes by a 4mm diamond chisel. 2mm in from edge. Stitch the decoration lines using waxed thread.

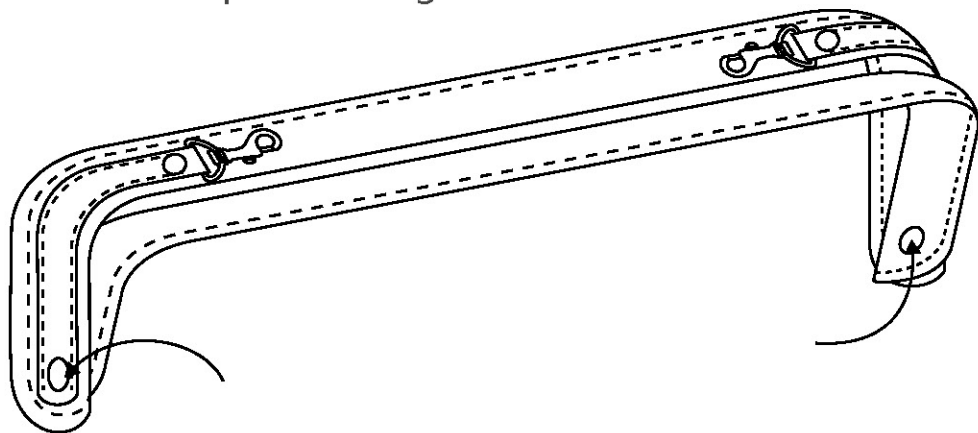


- Glue the shoulder strap holder (as shown in grey) on the wrapped metal frame.
- Add a 9mm single cap rivet near the swivel clasp.
- Do the same for the other side.



3.5.8 Wrap metal frame with leather

- Add a 9mm single cap rivet on both sides. Remember not to punch too hard, otherwise it will be difficult to open the bag.

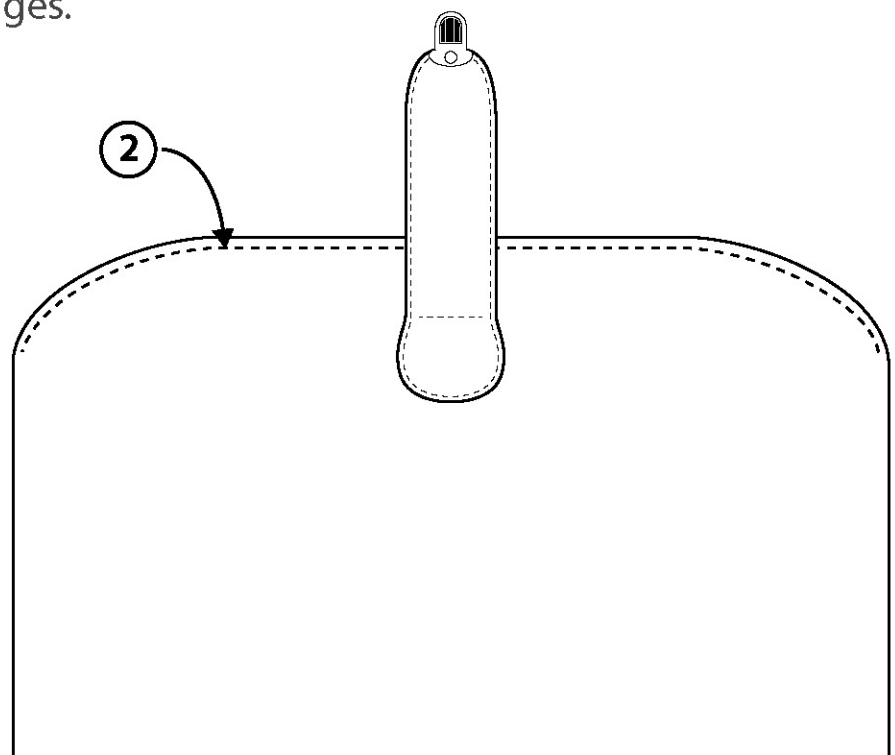
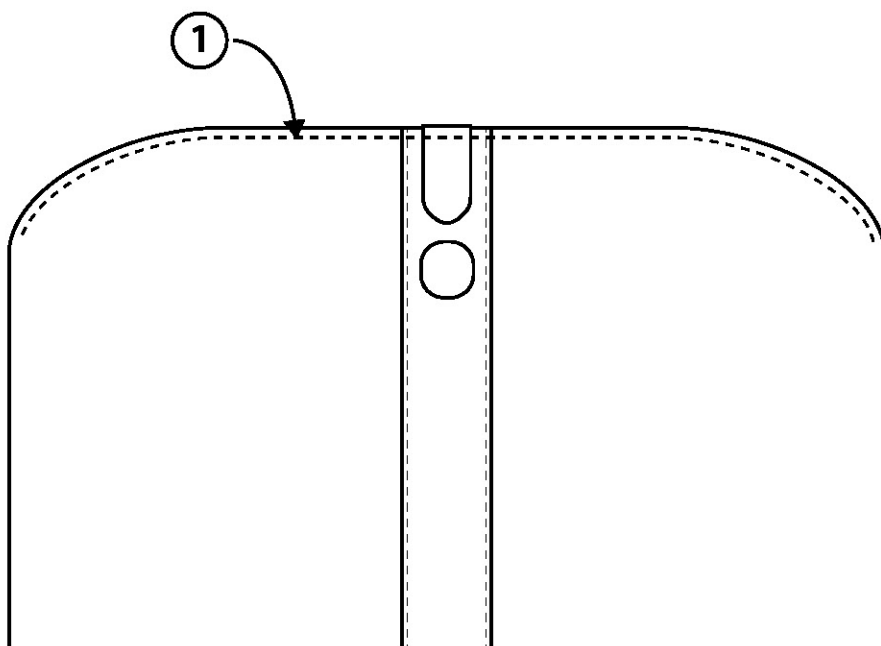


3.6.1 Choose the stitching method for the body

- Decide which stitching methods that best fit the leather you are working on: turned edge seams or cut edge seams. See the difference (from thrid-party web-site): <http://bit.ly/sewing-leather>
- If you want to sew your bag using cut edge seams, go directly to 3.6.4-1.

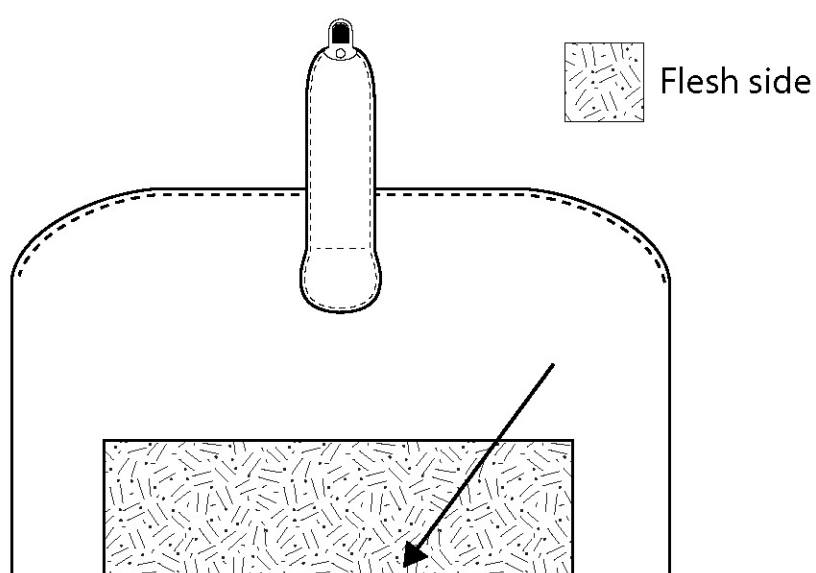
3.6.2 Pierce holes at the top of the front and back panel

- Pierce holes by a 4mm diamond chisel. 3mm in from edges.



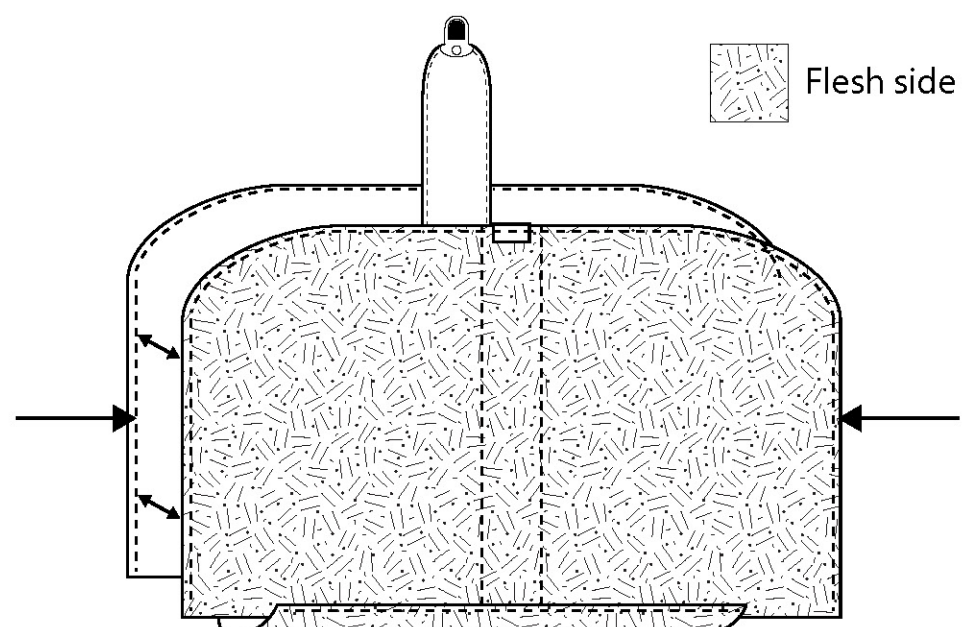
3.6.3-1 Assemble the body using turned edge seams

- Place the back and bottom panels together with the flesh sides facing out.
- Pierce holes on bottom edge by a 4mm diamond chisel. 5mm in from edge (You may glue a bit the edge to secure the 2 pieces in place for easier piercing).
- Stitch using waxed thread.
- Do the same for the front panel.



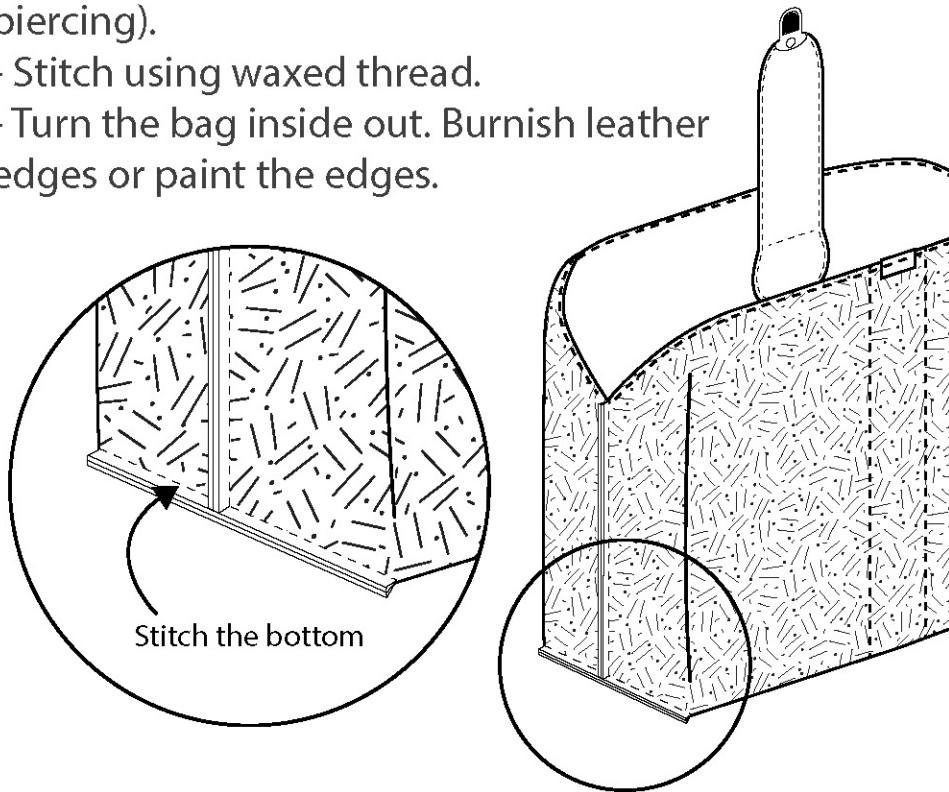
3.6.3-2 Assemble the body using turned edge seams

- Place the front and back panels together with the flesh sides facing out.
- Pierce holes on side edges by a 4mm diamond chisel. 5mm in from edges (You may glue a bit the edge to secure the 2 pieces in place for easier piercing).
- Stitch using waxed thread.



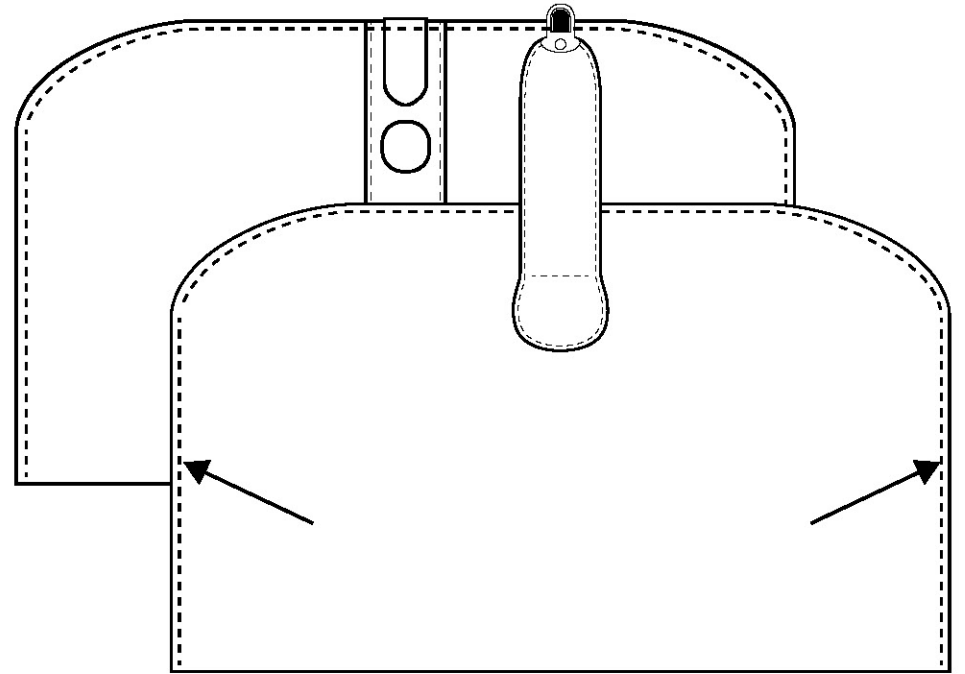
3.6.3-3 Assemble the body using turned edge seams

- Pierce holes on side edges of the bottom by a 4mm diamond chisel. 5mm in from edge (You may glue a bit the edges to secure the 2 pieces in place for easier piercing).
- Stitch using waxed thread.
- Turn the bag inside out. Burnish leather edges or paint the edges.



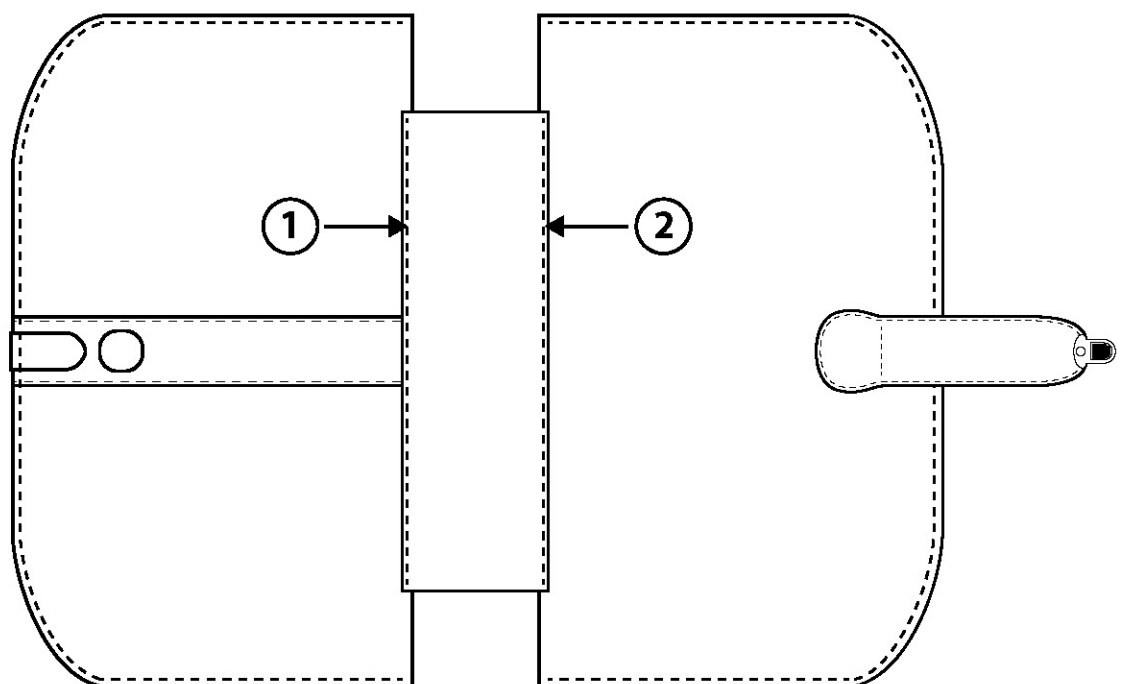
3.6.4-1 Assemble the body using cut edge seams

- Burnish leather edges or paint the edges for front, back and bottom panels.
- Pierce holes on side edges of the front and back panel by a 4mm diamond chisel. 5mm in from edge.



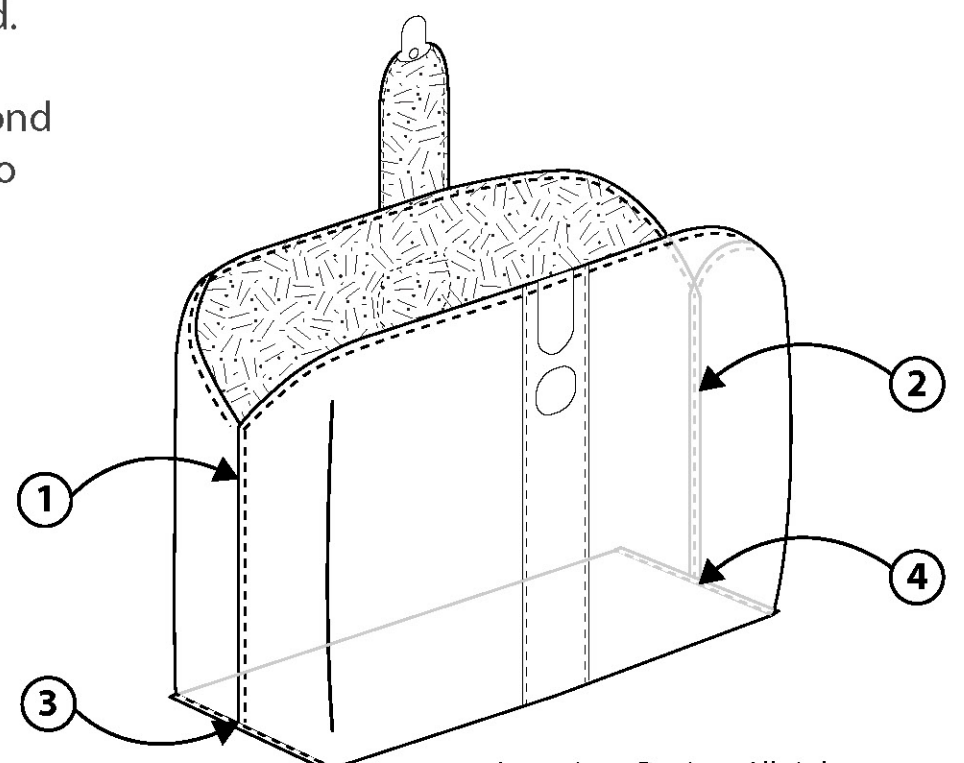
3.6.4-2 Assemble the body using cut edge seams

- Attach the front, back and bottom panels together, with the right sides facing out.
- You may glue a bit the edges to secure the 3 pieces in place for easier piercing.
- Pierce holes on the long sides of the bottom piece by a 4mm diamond chisel. 5mm in from edges.
- Stitch using waxed thread.



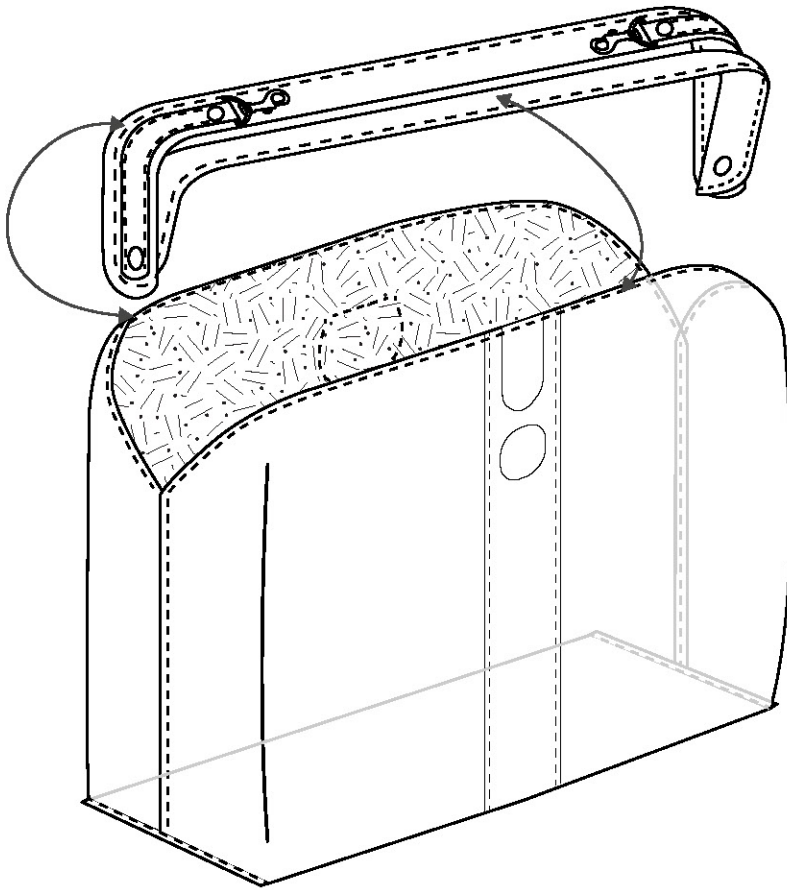
3.6.4-3 Assemble the body using cut edge seams

- ① and ②: Stitch both sides (body) using waxed thread.
- ③ and ④: Pierce holes on side edges by a 4mm diamond chisel. 5mm in from edges (You may glue a bit the edge to secure the 2 pieces in place for easier piercing).
- Stitch using waxed thread.
- Burnish leather edges or paint the edges.



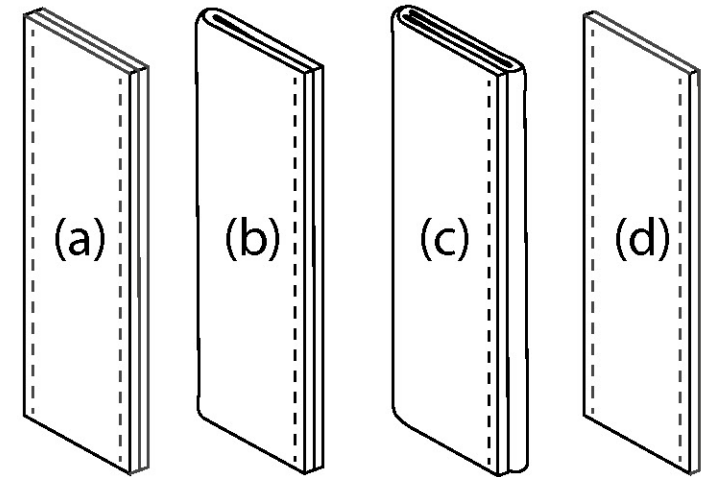
3.7.1 Attach the body to the frame

- Sew the back panel on the frame with handle.
- Sew the front panel on the other frame.



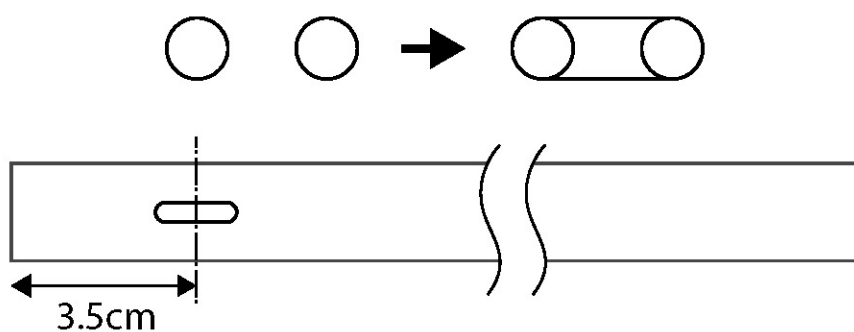
3.8.1 Shoulder strap

- The shoulder strap is made of 2 long straps. If the leather that you are using is thin, you should reinforce the strap by:
 - a) Laminate two layers of leather together, stitch the sides (Adjust the pattern to width x 2), or
 - b) Fold one layer of leather into half, stitch one side (Adjust the pattern to width x 2), or
 - c) Fold one layer of leather into one-third, stitch one side (Adjust the pattern to width x 3).
 - d) Otherwise, single layer of strap would be fine. You could add two stitching lines as decoration, 3mm in from edge.



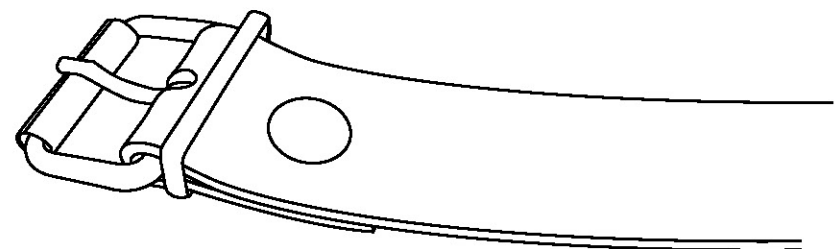
3.8.2 Shoulder strap

- Burnish strap edges or paint the edges.
- Work on the short strap first: Punch two 3mm holes and cut a slot for pin buckle.



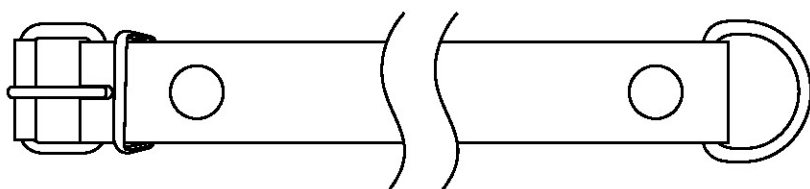
3.8.3 Shoulder strap

- Secure the pin buckle and 27 x 8mm inner size rectangle ring by a 9mm double cap rivet.

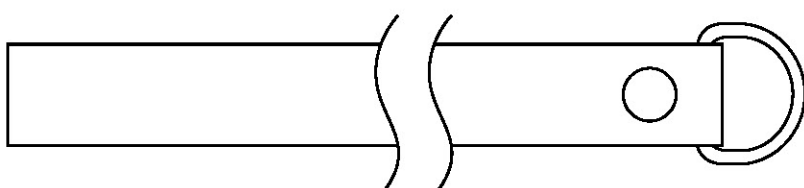


3.8.4 Shoulder strap

- Add a D-ring on the other side.



- Add another D-ring on the long strap too.



3.8.5 Shoulder strap

- Punch 5 adjustment holes (in 3mm) on the long strap according to your height (The interval between each holes measures 6cm).
- You bag is ready to use now!

