

## Mistborn Belt Vials

Erika Baird

This document is intended to be a tool to organize the considerations for kits that are going to be sold at the DS event. Please read the whole thing and fill in the information as you get it.

### Note:

*Having these outsourced to laser cut like I was hoping to unfortunately drastically reduces our leather choices (to basically one color, and more expensive) so I think I'll just cut these again this year on my home blade machine. This is a bit labor intensive so I'd like to cap this kit at 200 max. We did 100 last year.*

*I also think we should hand out kits but have people pick their metal flakes in the room when they take the kit, rather than us pre-flake filling the vials.*

### Mistborn Belt Vials Kit

- 1) Belt vial holder that contains two small glass vials with metal flakes (rivet and leather color may vary from color shown. **Gold, silver, or copper flakes must be chosen upon kit pickup, please plan for a few minutes to complete your choice upon pickup.**) Also contains one hand punch.





Contents of Mistborn Belt Vials Kit

MaxMau 10ml Small Glass Bottles with Cork Stoppers, pack of 100 Vials

\$21.99 (.22 each kit)

[https://www.amazon.com/Bottles-Container-Projects-Decoration-Supplies/dp/B075T3Y5YF/ref=sr\\_1\\_10?keywords=10ml+Glass+Bottles&qid=1690997718&sr=8-10](https://www.amazon.com/Bottles-Container-Projects-Decoration-Supplies/dp/B075T3Y5YF/ref=sr_1_10?keywords=10ml+Glass+Bottles&qid=1690997718&sr=8-10)

MaxMau 24PCS 10ml Glass Bottles Cork Stoppers DIY Decoration Mini Glass Vials

\$10.99

[https://www.amazon.com/gp/product/B07MLYVMFC/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B07MLYVMFC/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1)

8mm Antique Brass Rivets 100 ct (5 rivet sets each kit)

\$7.99 ea (.40 each kit)

[https://www.amazon.com/Rivets-Leather-Double-Accessories-Antique/dp/B09ZRJFVVZ/ref=sr\\_1\\_11?crid=3W0A9FL65W8AU&keywords=8mm+double+cap+rivets&qid=1691001419&s=arts-crafts&sprefix=8mm+double+cap+rivets%2Carts-crafts%2C171&sr=1-11](https://www.amazon.com/Rivets-Leather-Double-Accessories-Antique/dp/B09ZRJFVVZ/ref=sr_1_11?crid=3W0A9FL65W8AU&keywords=8mm+double+cap+rivets&qid=1691001419&s=arts-crafts&sprefix=8mm+double+cap+rivets%2Carts-crafts%2C171&sr=1-11)

Single Hole Punch (3mm)

\$1.75 ea [here](#)

\$.99 each [here](#) or [here](#) (looks slightly lesser quality but should still be fine for this use)

Gold Foil Flakes with Tweezers and Brush, 3 Bottles Imitation Gold Foil Flakes

\$6.79 (recommend 3-4 total for up to 200 kits) (.13-.27 per kit)

[https://www.amazon.com/gp/product/B08J2Z93DJ/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B08J2Z93DJ/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1)

Leather Backer and vial holder (custom cut and pre-marked for hole punching)

\$1.50 each kit

**Note:**

*Leather 3-4oz/1.2-1.6mm thickness, non stretchy, .25 sq ft per kit.*

<https://tandy-leather.com/products/sienna-flat-sides?variant=34132852736131> (link is last year's example. I prefer to pick out leather in person rather than online to avoid headaches)

*\$1.50 each approximate cost, must be in quantities of 50*

*I can cut about 4 per square foot of material, but hides tend to vary, and their square footage is only estimated when sold, so it's wise to overbuy square footage by a bit to ensure there's enough useable space to cut from. The leather we got last year were 3 to 4 oz. (1.2 to 1.6 mm) half hides, about 17 sq ft., and were \$70 each (we got two). They don't have that kind of leather listed any more so I'll look for something comparable in person at Tandy, but that gives a good ballpark. Price wise I expect hides of the quality we had last year to be between \$60 and \$100 each depending on if I can find something on sale or not and what sort of cut they are (if they're a larger cut for instance, one hide might provide the same yield as last year's two).*

*If I run math on the higher end of pricing (a \$100 17 sq ft hide, fitting four kits into each sq ft for a total of 68) it puts the leather cost per kit at a few cents short of \$1.50 each.*

*I will cut extras if there is overage on the material and we can sell those in person at the event?*

Estimated kit cost: \$4.15 each (using high end estimates for all supplies)

### Sel craft space to borrow

Hammers (several [soft faced mallets](#) would be ideal)

Polyester cutting boards (for hammering and hole punching this [two pack for \\$12](#) or [these](#) look well suited)

Rotary leather punches (I think we should have several on hand, we got [one of these](#) last year and I think adding a few more would do. They are \$17 each)

Foil Flakes (I think three or four packages will be more than enough. I still have some from last year)

Extra rivets (if you've never done it before, hang out and get a replacement rivet or two if you need!)

## Instructions

Choose what type of metal flakes you want for your vials, and use the provided tweezers to place some metal flakes in each vial. They work best if lightly full but not stuffed—please be considerate of supplies when filling your vials.



Use a hole punch to make holes on each X marked on the back of your leather pieces. The Xs at the ends of the slots on the belt backer are to make 'stops' on the slots and prevent tearing while on your belt. You can use a rotary punch in the Craft Space, or use the provided single punch in your kit at home. Pull firmly on the rotary punch to complete the hole; you will hear a 'click' as it goes through, or put the leather on a wooden or plastic surface that you don't mind marring, and hit the top of the hand punch with a firm tap of a hammer until it goes all the way through.

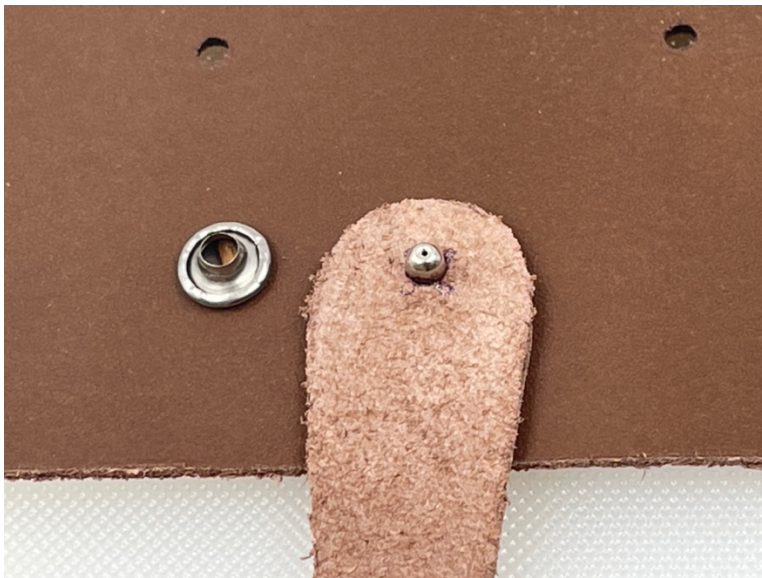
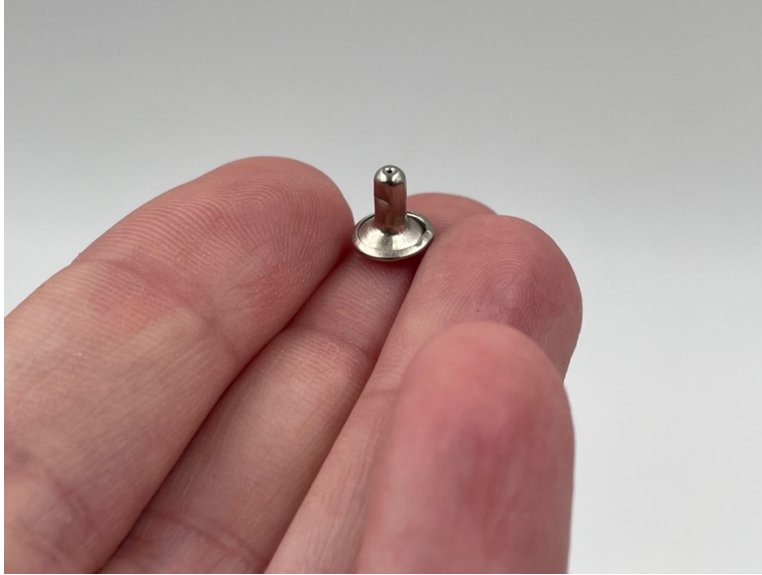




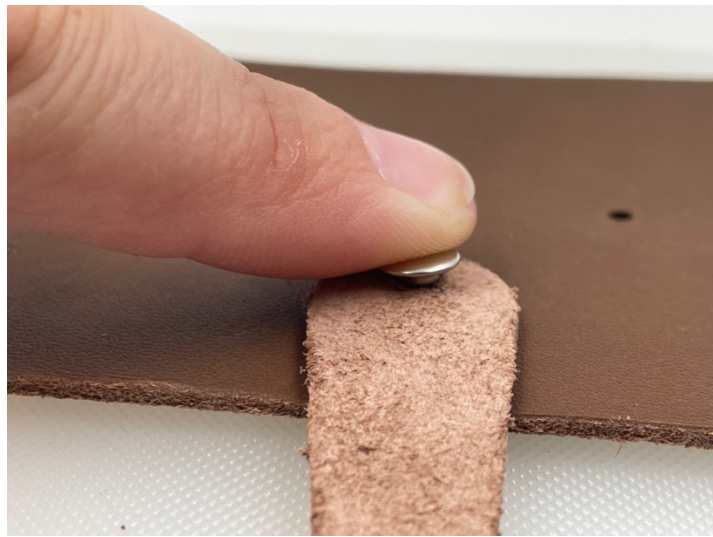
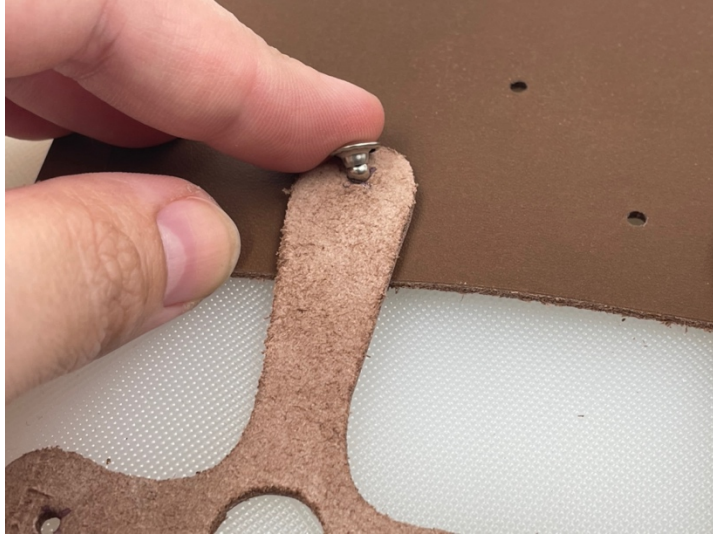
Place a hanging end of the strap piece onto one of the two bottom holes of the belt backer, with the front sides of the leather facing each other as pictured, and the straps hanging off upside down.



Each rivet set has two pieces. One piece has a shaft and looks somewhat like a mushroom, and the other is short and has a hole in the bottom. Treat the shaft piece as the bottom piece, align the holes, and put it up through both pieces of leather. The small nub end of the shaft should just barely poke up through the holes. Have the shorter top side of the rivet nearby.

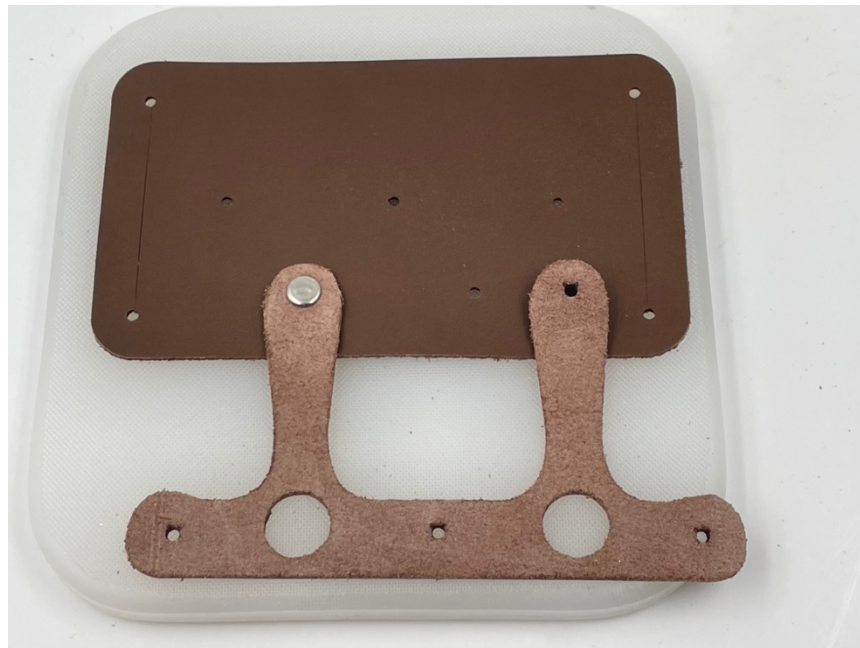


Place the hole on the short rivet cap onto the longer rivet shaft. Press down firmly and it will click into place.





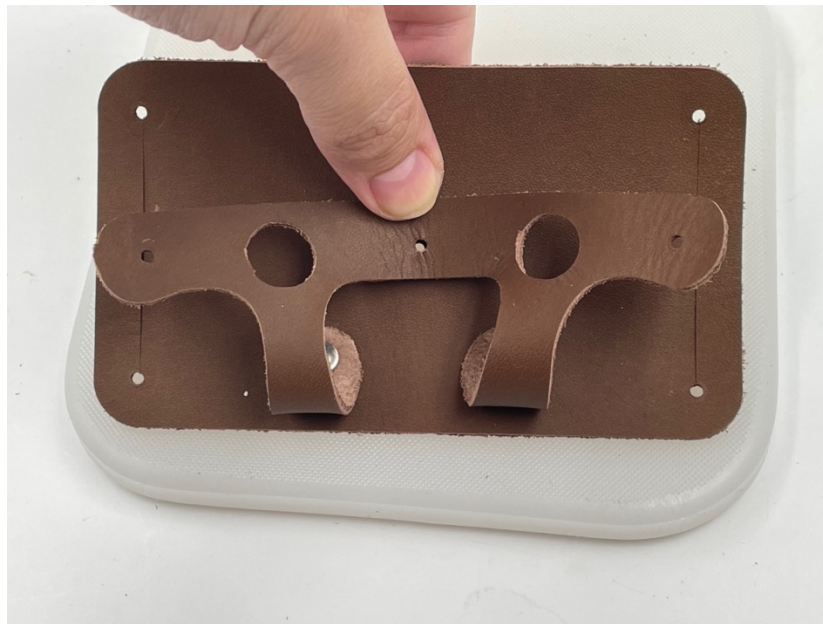
Use a plastic mallet or hammer (or rivet setter if you have one or are in the Craft Space) to hammer straight down onto the rivet until it is flat and secure.



Repeat for the other strap bottom. The strap will not lie flat at this point; that is normal.

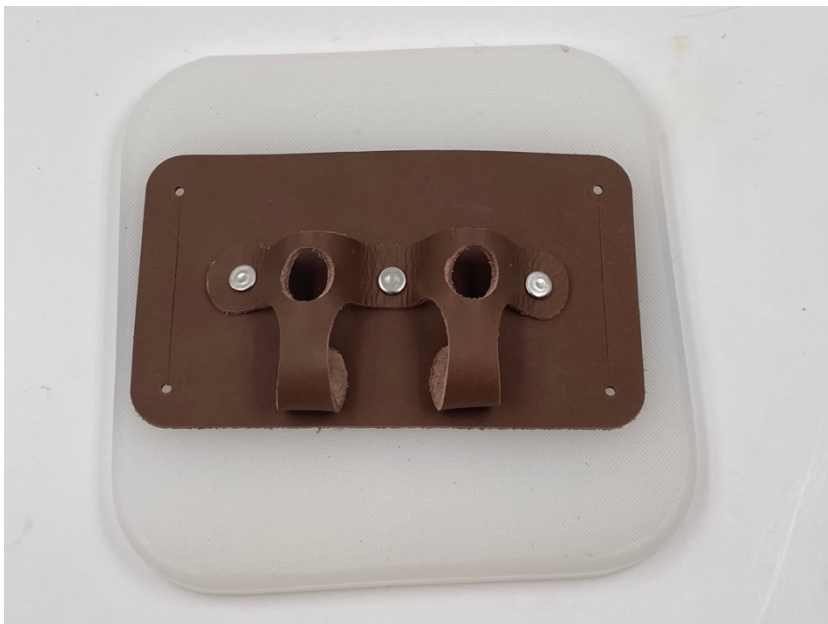


Bend the strap piece upward so its center hole aligns with the center hole on the belt backer. The leather pieces should both be right sides forward now. Set a rivet in this center hole in the same way as the first two.

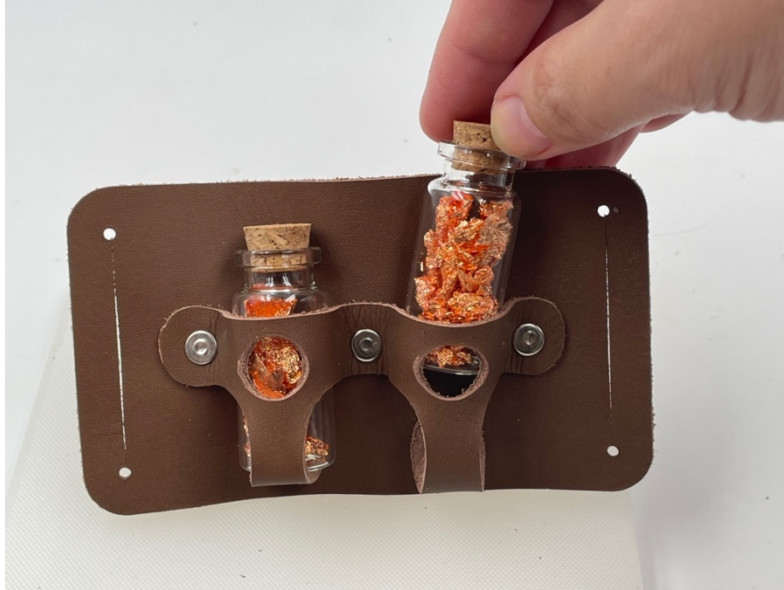




Now set the rivets on the two ends.



Place your vials into the holder. The fit will be a bit snug, to hold them in place; flex the leather a bit to ease them in.



Enjoy your finished vial holder! Filling the vials with distilled water can quickly finish them, but using mineral oil at home will preserve the metal flakes longer term. If you only have water available, the gold flakes are least likely to tarnish over time.



*Live demo: Willing, yes. Would need video setup for anyone to see what is being done*

*Alternatively, a recorded demo: Willing to do this, yes.*

Physical kit

A physical finished item that can be made from the kit must be made. I have several I can bring as examples.

- Either get the physical completed item to Mem or Katy
- Or take a high resolution picture of the completed kit and send it to Mem or Katy—I have high res photos for you for now

One of these must be fabricated:

1: A high resolution picture of the contents of the kit

- With either a list of contents present,
- or room for contents list that can be given to Katy or me to edit

2: Physical contents of the kit that Mem or Katy can take pictures of for you.

Mem's email: [mem@dragonsteel.com](mailto:mem@dragonsteel.com)

Katy's email: [katy@dragonsteel.com](mailto:katy@dragonsteel.com)