

Ann Lindsey

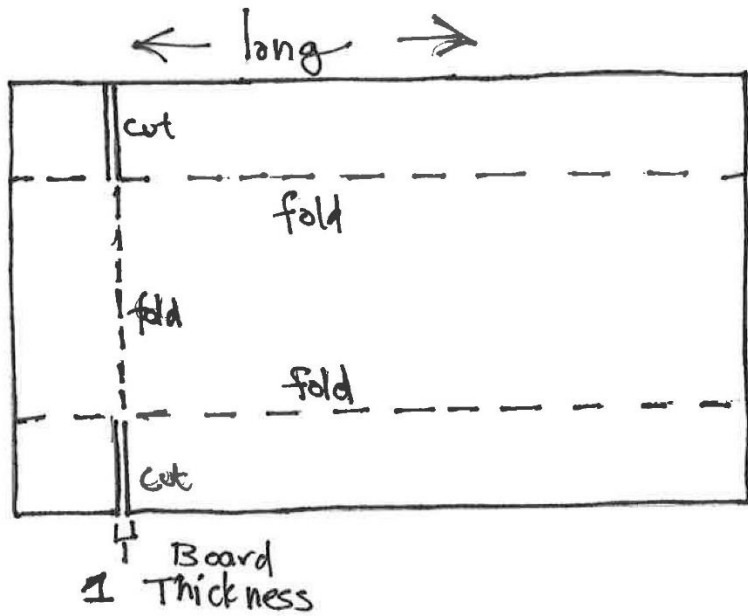
University of Chicago Library

July 2019

“Sled” for 52-Pound Antiphony

This was constructed from sheets of archival quality coroplast. Hot glue purchased from Talas was used to adhere coroplast to itself. I found that PVA would peel off. Joints were reinforced with Tyvek tape. Alternatives to the pressure sensitive adhesive on the Tyvek tape were considered. This will be stored in cool, dry conditions, and due to the way it is shelved, no collection material will be touching it. In the end, we determined that by the time adhesive creep is an issue, it will probably be time for a new housing.



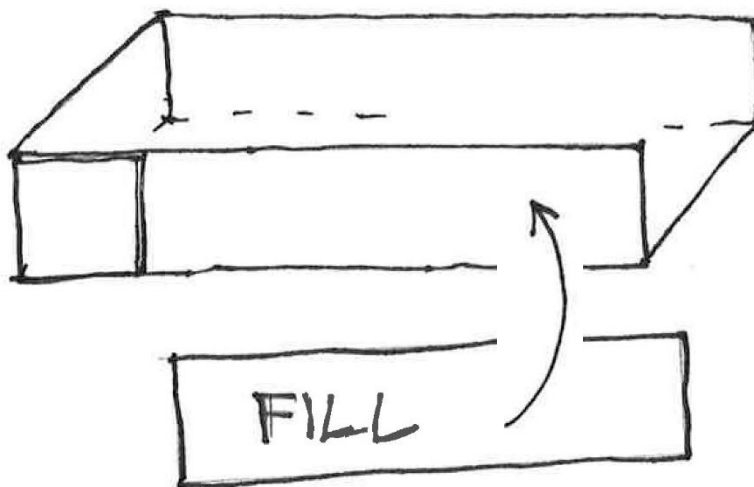


Because of the size of this volume, we needed hand holds. Rather than construct handholds into a form fitting box, I made the base a few inches larger than the object on all sides. The weight of the object will keep it from moving.

To make folds, cut one layer of the corrugated material in the direction of the “grain” or shallow cuts across. This tool made life a little easier:

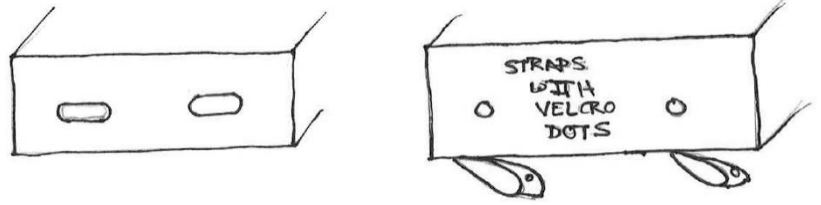
https://www.amazon.com/Saw-Trax-CCD4-Coro-Claw-Coroplast/dp/B00DTNNTTY/ref=asc_df_B00DTNNTTY/?tag=hyprod-20&linkCode=df0&hvadid=312332136156&hvpos=1o4&hvnetw=g&hvrnd=6033710462023506185&hvpon=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9021754&hvtargid=pla-568832368269&pvc=1

Fold the box so that the flaps are on the outside using hot glue to attach. Then fill the side so that there isn't an edge to catch on other material. Reinforce all joints with Tyvek tape.

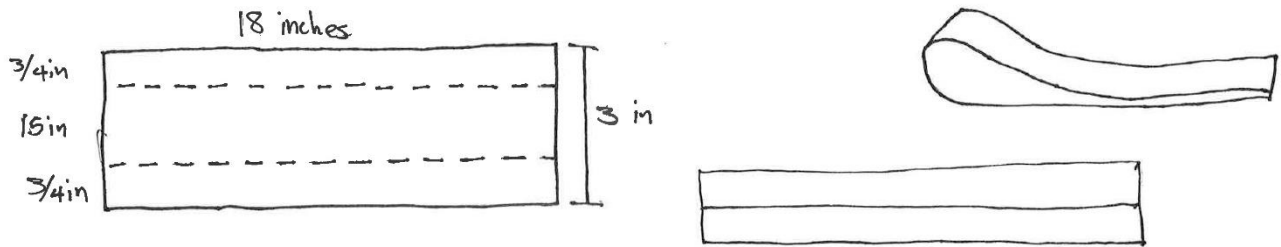


I was concerned about the weight of this item, so I wrapped the walls with another layer of Coroplast.

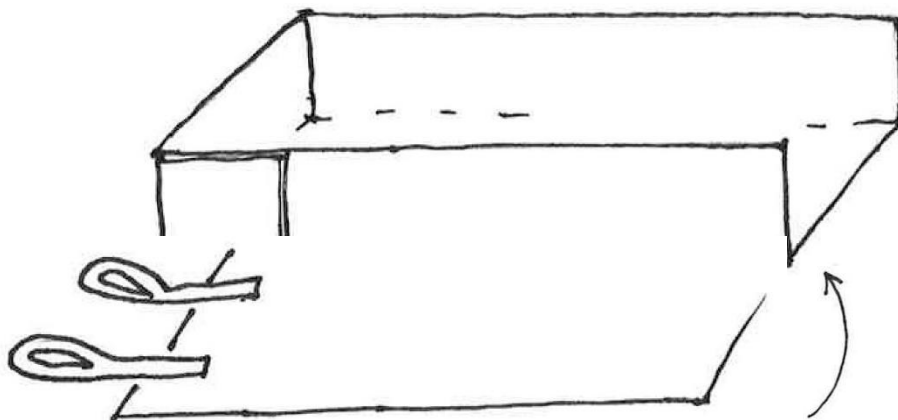
I considered cut out handles, but thought it would create too much strain on the corners. I opted instead for pulls at the base of the box.



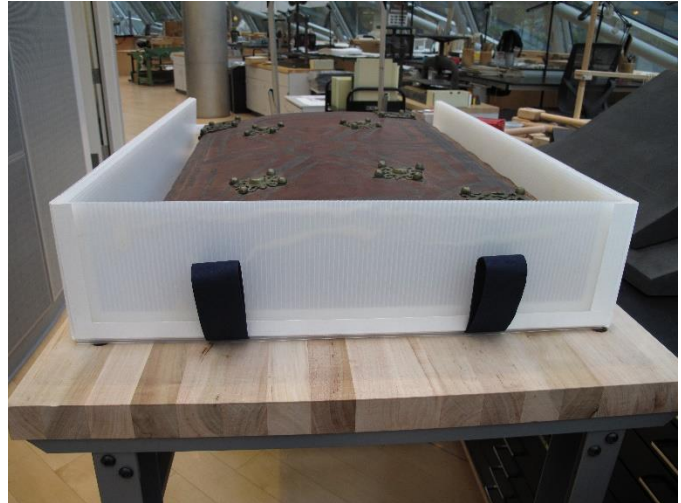
I made the pull tabs from strips of bookcloth folded and glued so that the seam is in the middle, looped so that the seam is on the inside.



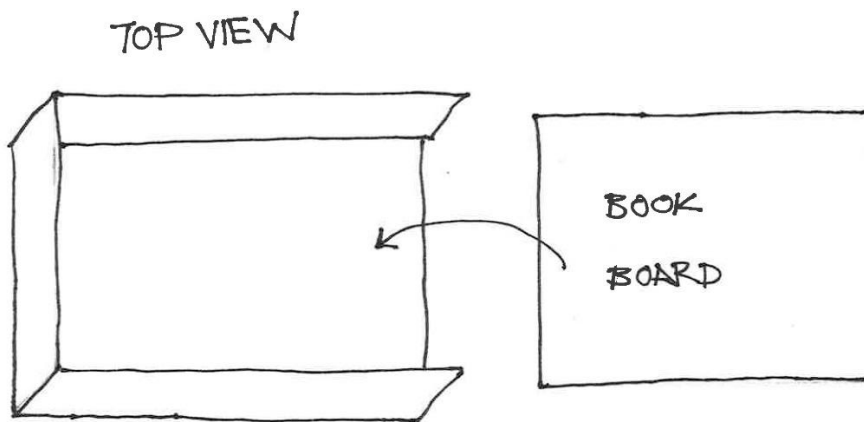
Another sheet of coroplast was added to the bottom. I was concerned that the Tyvek tape that reinforced the joints would impede the sliding action that we were looking for. Applying a second sheet also allowed for a place to attach the pull tabs.



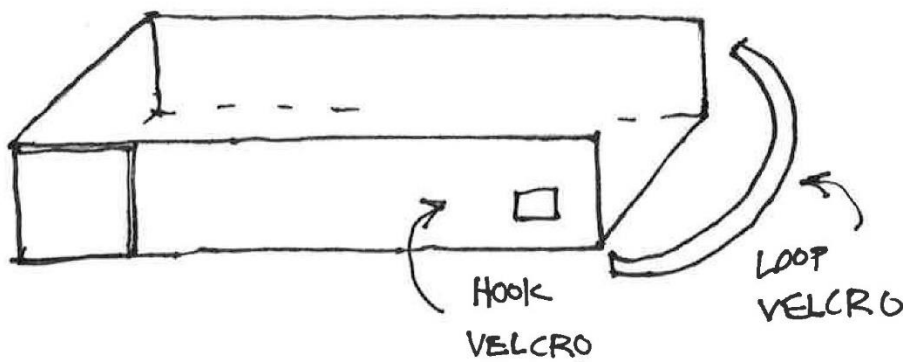
Velcro dots keep the tabs attached to the side of the box.



I added a sheet of binders board to the inside tray. This was because there were five bosses, and I thought that the weight needed to be distributed so that it didn't crush the Coroplast. I used eternal board from Talas because it is very dense.



The last step was an afterthought, I added a Velcro strap so that the open back end had some protection. We use Velcro strapping for a number of things, I find that the "hook" side is too abrasive to use next to collection material, so I used the "loop" side for the strap. We have rolls of each, and since I use the "loop" side directly on collection material, I buy "loop" rolls without adhesive and "hook" rolls with adhesive.





Hope this helps, and don't hesitate to let me know if you have any questions. It's really a fairly easy box, and I would suggest making a tiny model first.