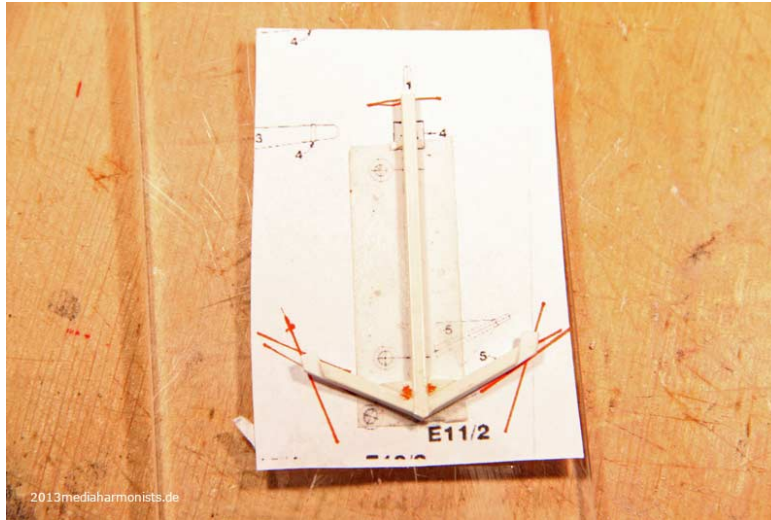


# Making Anchors from Styrene

by Daniel Fischer and ed. by NRG staff

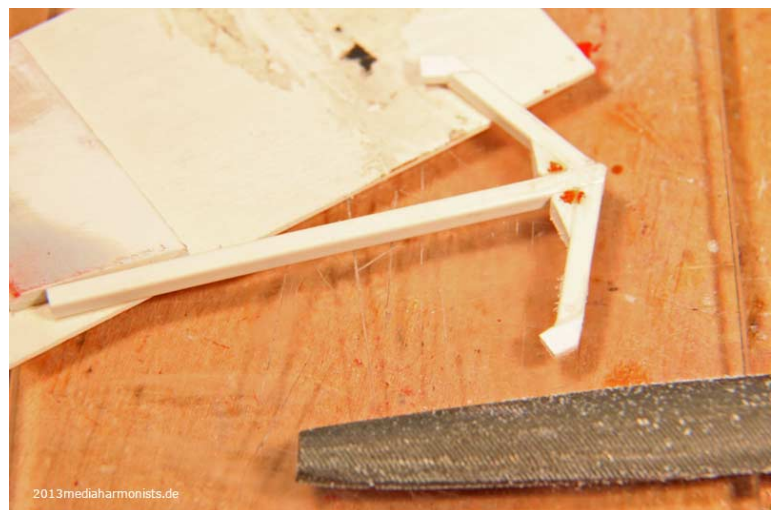
This is a documentation of how I made my anchors for Victory out of styrene.

First, print the plan to the correct scale. Then, make the shaft and arms from Evergreen stock. Take double-sided Scotch tape to secure the pieces on the plan and flood the joints with CA. Then, flip it over and repeat on the other side.



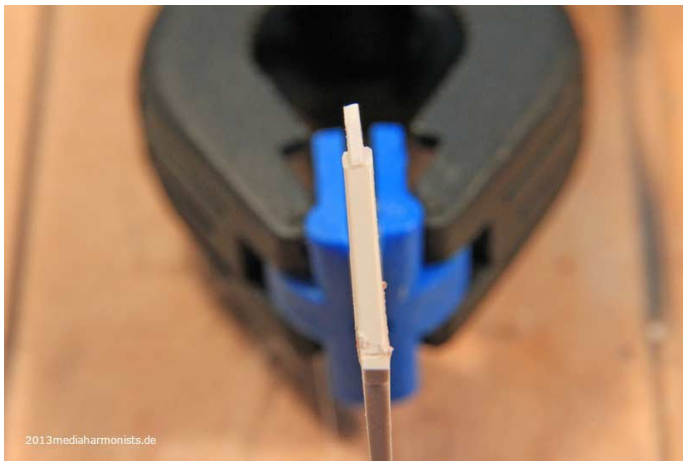
The arms become thinner towards the end so I glued a thinner material on the tip as guide.

File down the ends of the arms until the step-off to the thinner tip disappears. Do this on both sides. As the anchor was no longer lying flat, I supported the end of the arm with some sheet styrene.

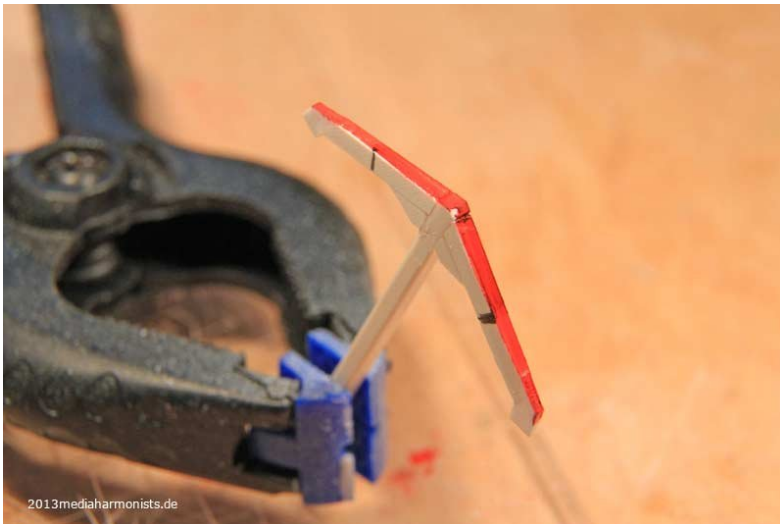
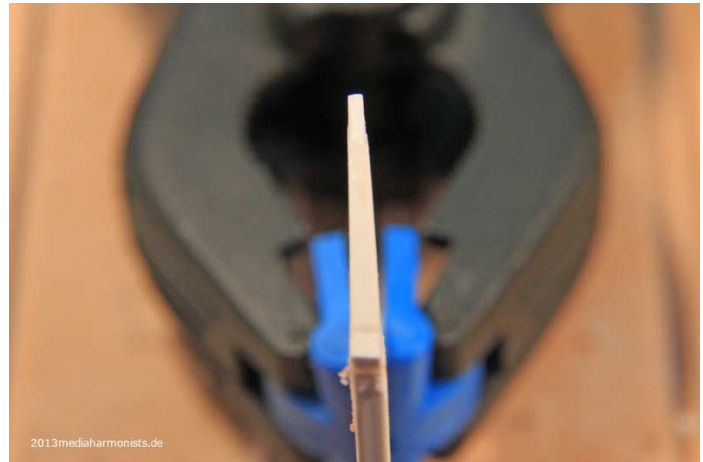


Here from a different perspective:

before ..

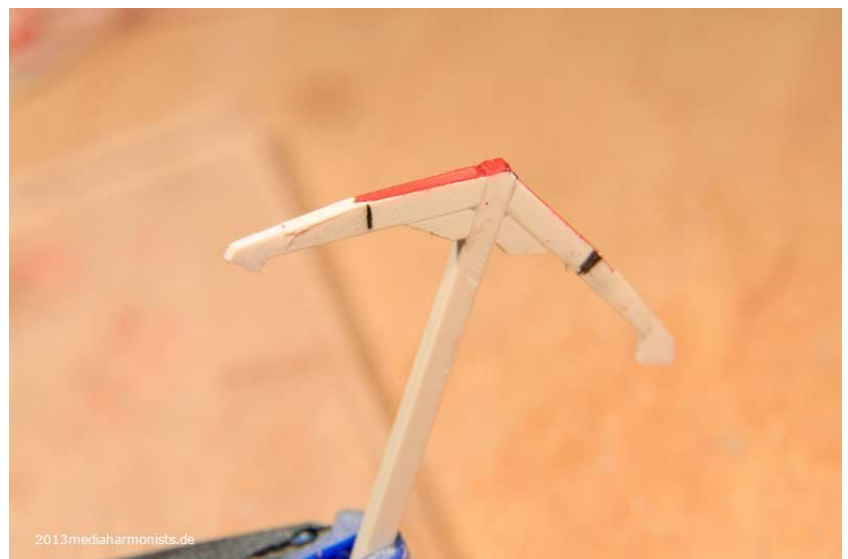


... and after

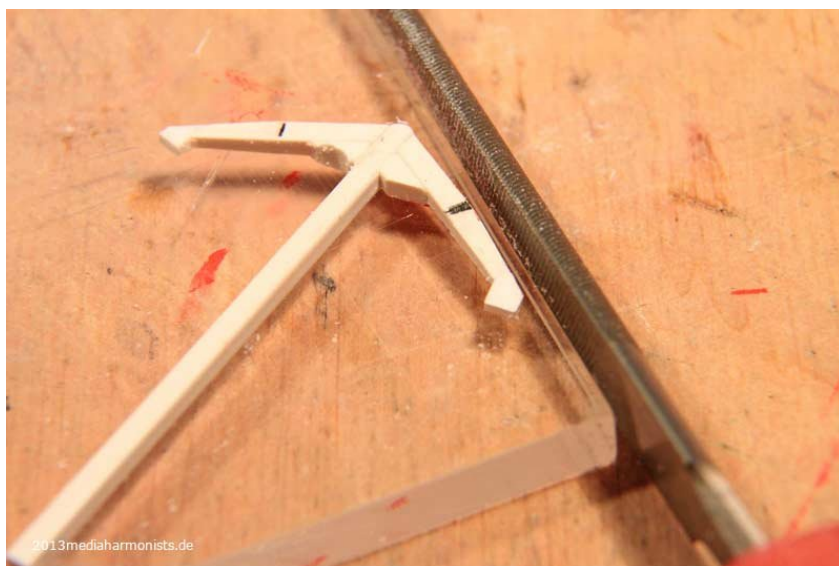


Then for the curvature of the arms, I colored the surface with red marker.

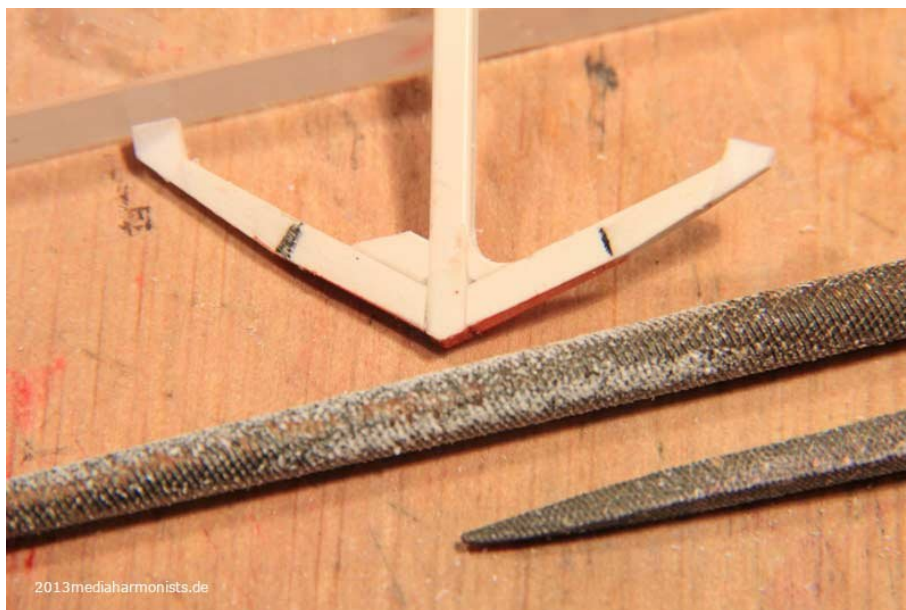
One can easily see the progress.



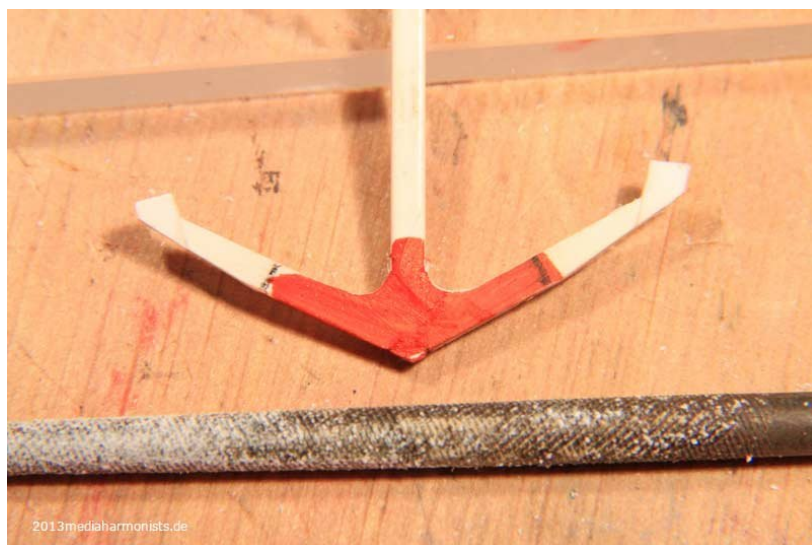
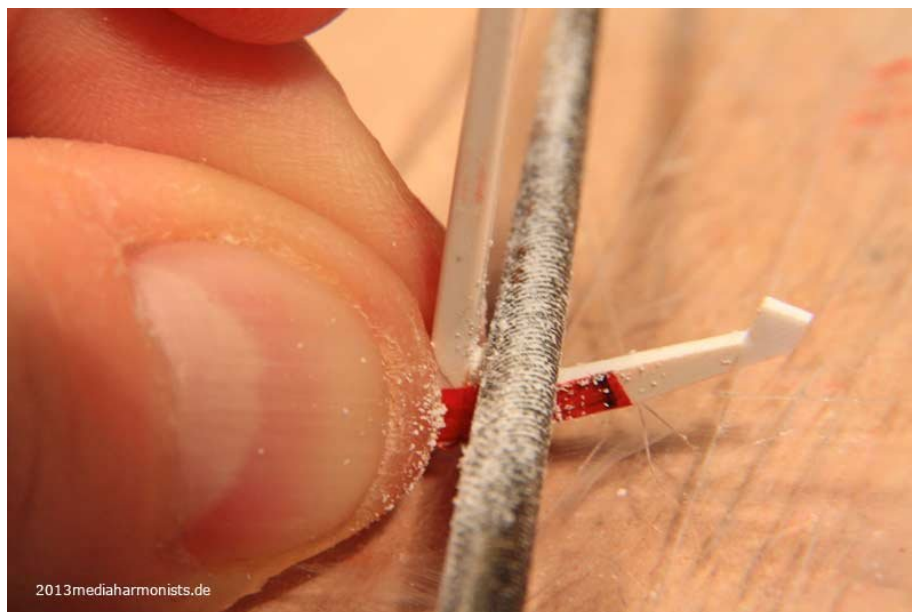
It helps to work on a sheet of thin Plexiglass, as one can use the edge as guide for the file.



Then comes the throat, the area in between the shaft and the arms. At that time the throat was rather small. Later anchors had a much larger throat.

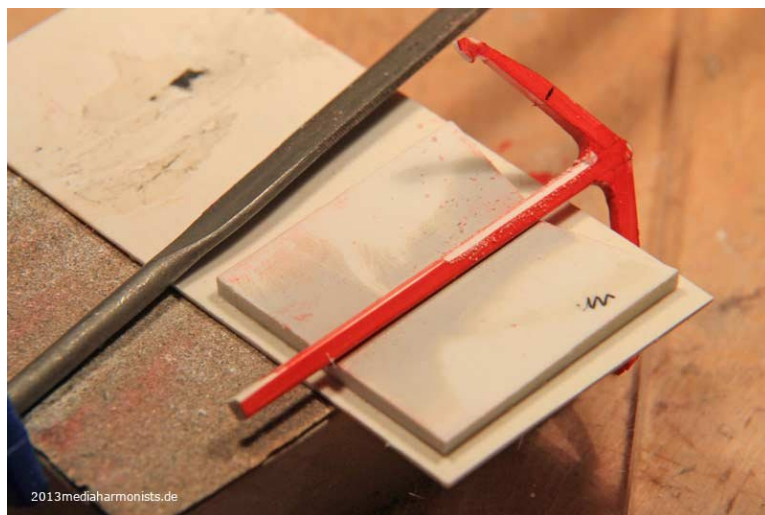


The filing itself is easy...



... just getting both sides equal is the hard part.

The shaft and arms were painted before filing the chamfers.





The hole for the ring was drilled.

I used a template to cut the palms the same length.



After they were glued in place, the outer edges were cut to shape. All that was left was to clean up any tool marks and paint.

And here is the family shot, with all the tools needed for the construction of the anchor. You can see several sizes of anchors in the picture.

