CROPTOOL INTERACTIONS

Step-by-step workflow:

1. Select an image on the Smithsonian site

2. Select icon for the tool from the menu next to the image ✂
3. Launch the tool with the image in it.
4. If an image is on a flat black background, then use the edge detecting "magic wand" tool. User clicks on image flat background and the magic wand finds and selects edges based on color similarity. All selected edges together form an area that can be removed and replaced with a transparent background.
5. From more complex backgrounds, user interacts with a pen tool, creating vector lines, rubber-banding at points around the image, creating a vector mask around the image.
6. User clicks the mouse around the edge of area they would like to select and mask out. If the last click meets the first it will close the polygon, or users can do a double click to finish.
7. Ability to view inner and outer stencil masks as solid black or white regions when mask polygon is complete.
8. Able to undo clicks along the way, Cntl-Z
9. Able to save state if not finished.
10. Export final to Crop Bin, PNG format with Alpha channel, clear background.
11. Able to download saved PNG image with Alpha channel.
12. System may choose to save users vector line mask.
13. User receives email or confirmation of submission to Smithsonian asset crop bin.
14. Cropped image accepted to Smithsonian Crop Bin collection by curator.
15. User notified by email of image acceptance.
16. New cropped image available for download or compositing online (Phase 2).