
AESTHETICS OF A DESIGN

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THE HISTORY OF THE ICE SCRAPER

An ice scraper is a handheld tool for removing frost, ice, and snow from windows, usually on automobiles. Basic scrapers have a plastic blade and handle, though some have blades made out of metal. More complex models often include brushes to help remove collected snow, or squeegees to remove water if the ambient temperature is near the melting point. Alternatively, the handle can be inside a glove-like enclosure to help keep the user's hands warm and dry while using the scraper.

The blade of an ice scraper is usually flat if it is made out of metal, though some varieties include ridges that can be helpful if it is necessary to break up a sheet of ice (such as what collects in freezing rain). Plastic blades tend to have a more complex shape with several thick "fingers" linked together. This form helps the blade to flex, since most modern car windows have a slight curvature. The "fingers" also often have ridges on top, so the scraper can be flipped over to break up thick ice. More complex designs exist to improve ice clearance on curved glass on automobiles.

Source: Wikipedia, ice scraper: (http://en.wikipedia.org/wiki/Ice_scraper)

ORIGINAL PICTURES OF THE OBJECT

Transparent orange:



Green:

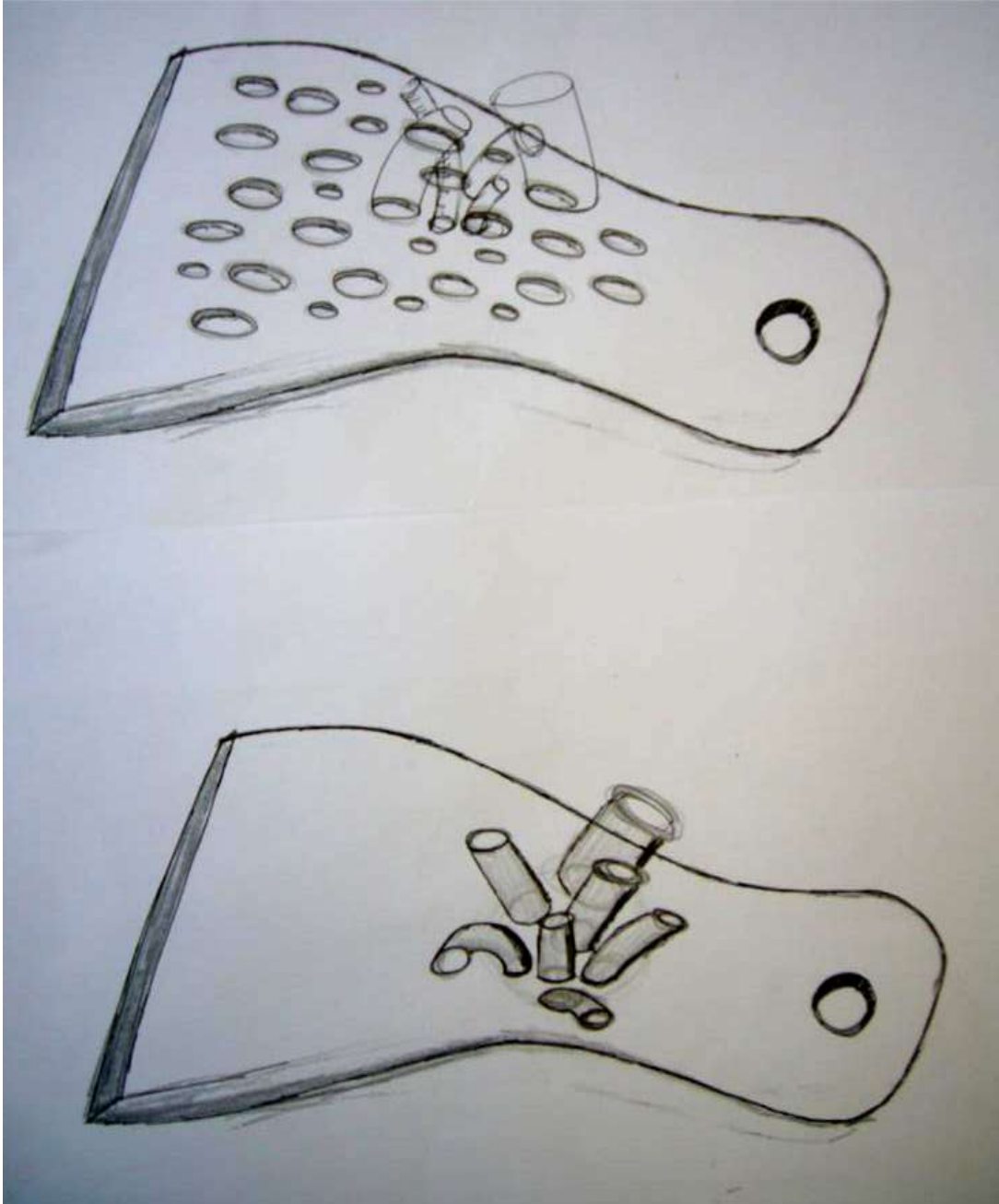


Red:

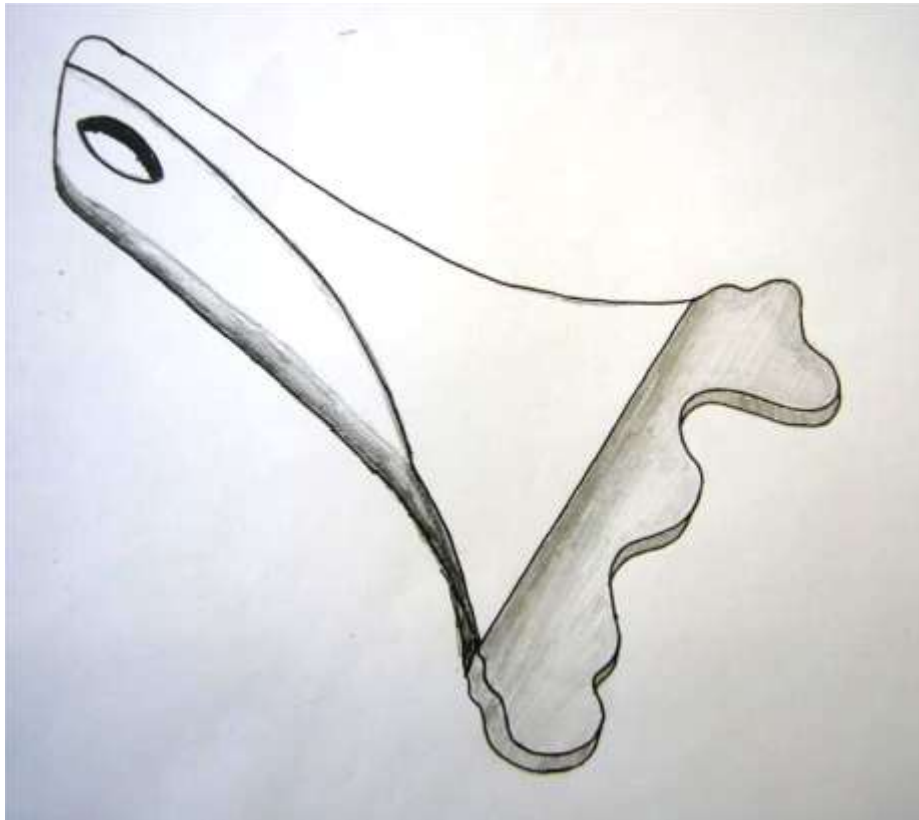


SKETCHES

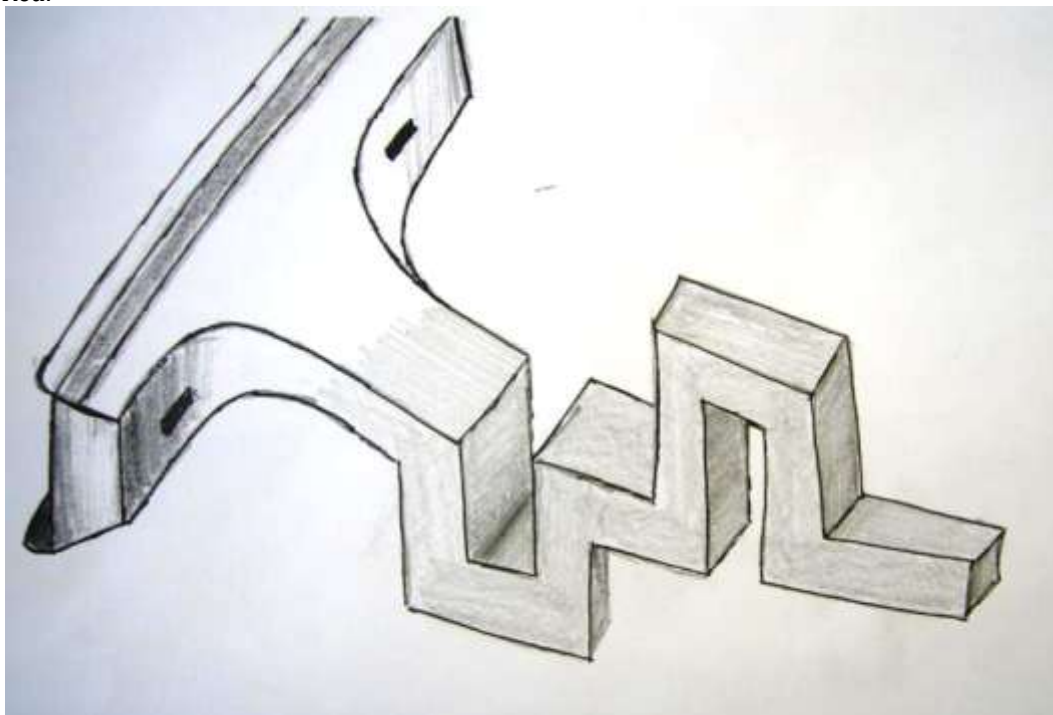
Transparent orange:



Green:



Red:



THE 3 CHANGES I APPLIED:

Transparent orange:



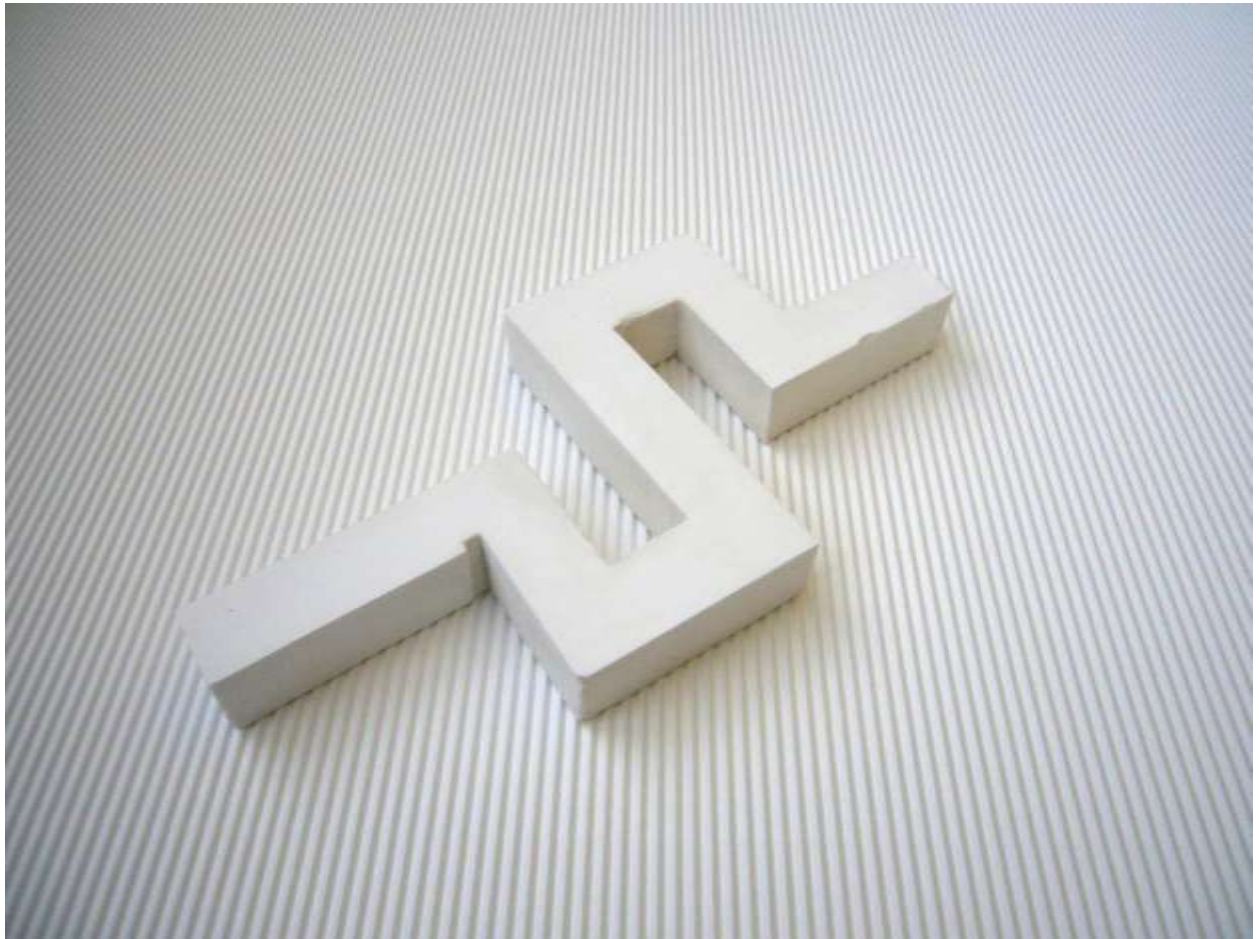
For this ice scrapper I changed the upper part.

Green:



For the green ice scrapper I changed the blade part of the design.

Red:



For the red ice scraper I changed the handle.

WHY I MADE THESE CHANGES

Transparent orange:

The transparent orange ice scrapper has a design of smooth surfaces and rounding edges. I personally like this design, however the upper surface is a little bit flat compared with the overall design. Therefore I decided to add some objects which stick out of the surface which will make the design more appealing.

Green:

The front scrapper part of the green one is kind of contra dictionary towards the overall design. The scrapper is very linear and contains sharp and straight edges. The handle of this ice scrapper is in contrast to the scrapper smoother and rounded edges. This inspired me to create a design which contains only smooth and rounded shapes.

Red:

The original red ice scrapper has to different shapes; a linear scrapper and a rounded handle. Just like the green ice scrapper I want to create more harmony between the all parts of the design. Therefore I came up with a handle which is very linear and contains straight edges.

WHY I CHOSEN FOR THESE 3 MATERIALS

Transparent orange:

The first ice scrapper is made out of transparent plastic. I really like this material because it's unique and make the ice scrapper very fashionable. For the changes I applied I would like to maintain the transparency. Therefore I decided to use a transparent material in my changed design too. After some research I decided to use transparent silicones due to their flexibility and adaptability. Moreover this material is suitable to use in complex shapes this one.

Green:

As mentioned before, the original green scrapper contained sharp edges which express robustly. In my new design I wanted to maintain this expression of robustly by using a suitable material. After some research I concluded that aluminum is a good material to use. Furthermore I wanted to include some glossing on the aluminum; therefore I decided to brush it up very smoothly.

Red:

In my new design I wanted to create more harmony between the parts of the design. The handle of the ice scrapper should contain straight edges. Furthermore the used material should express solidity. In first case I would like to use cement or concrete for this new design. However due to their relative high density and lumpy ingredients they were unsuitable to create a small and smooth design. Therefore I decided to use Knauf/model-plaster to make an edgy model out of it. This material is also used in constructions to create solidity and smooth finishes. However after doing three failed molding-procedures, I decided to use a material which is more solid and give the same expression as plaster. This would help me to create a design which will not fall apart/break after removing the mold. Therefore my final design is made out of porcelain.