

PIN

NOBLE

Project title:
Noble pin

Type of project:
Non-curriculum

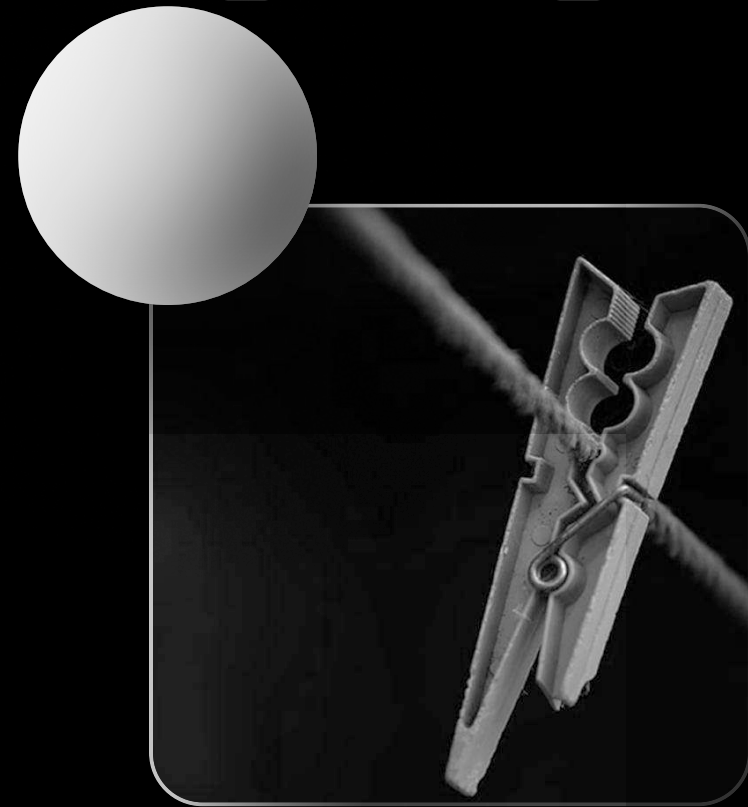
Current stage:
Idea / Concept

Time required:
2months

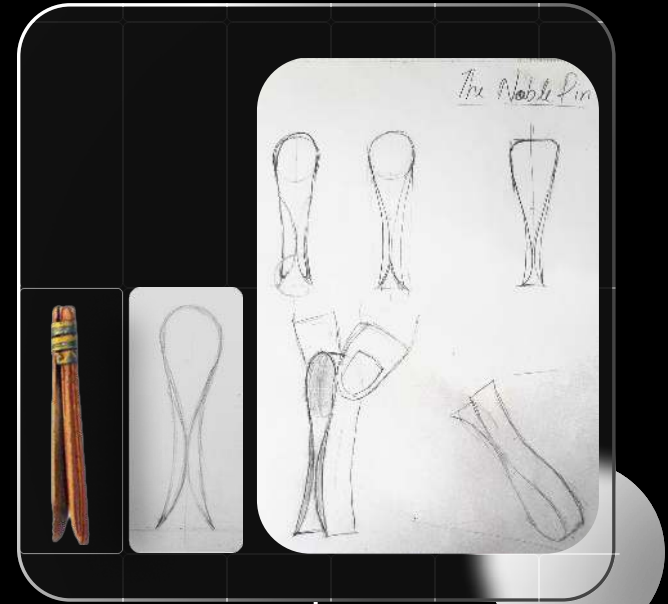


NOBLE PIN

The Unbreakable Clip



Design Problem:
Existing Drying Clips tend to fail over time, due to harsh conditions and extensive usage. Plastic pegs are always an Environmental Hazard.



Wear and tear of conventional clips, rusting, and the user difficulties associated with pinch-and-release mechanisms

History:
The one-piece wooden clothes-peg for hanging up coats that was invented by the Shaker community in the 1700s.

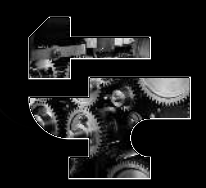
Brief:

- A modern cloth drying clip inspired from Japanese wooden pegs
- Noble Pin's design intent incorporates recycled material such as stainless steel, aiming to solve the issues of wear in traditional clips.

A clip that would not age over time and will pose less threat to the environment added user friendly and ease of manufacturing process.



Design intent:
Embraces sustainable practices by using recycled materials and employing a production method that minimizes waste, reducing environmental impact.




Eco-Friendly Production



Market Survey

IKEA
SLIBB, Large | Medium peg



Rs.79 2/pack **Rs.111 8/pack**

PROS	CONS
Premium	Prone to Wear
Lightweight	Environmental Impact
Widely Available	Susceptible to Breakage
Gentle on Fabrics	Limited Durability

Keep peg
316 Stainless steel Clothes peg



Rs.239 20/pack

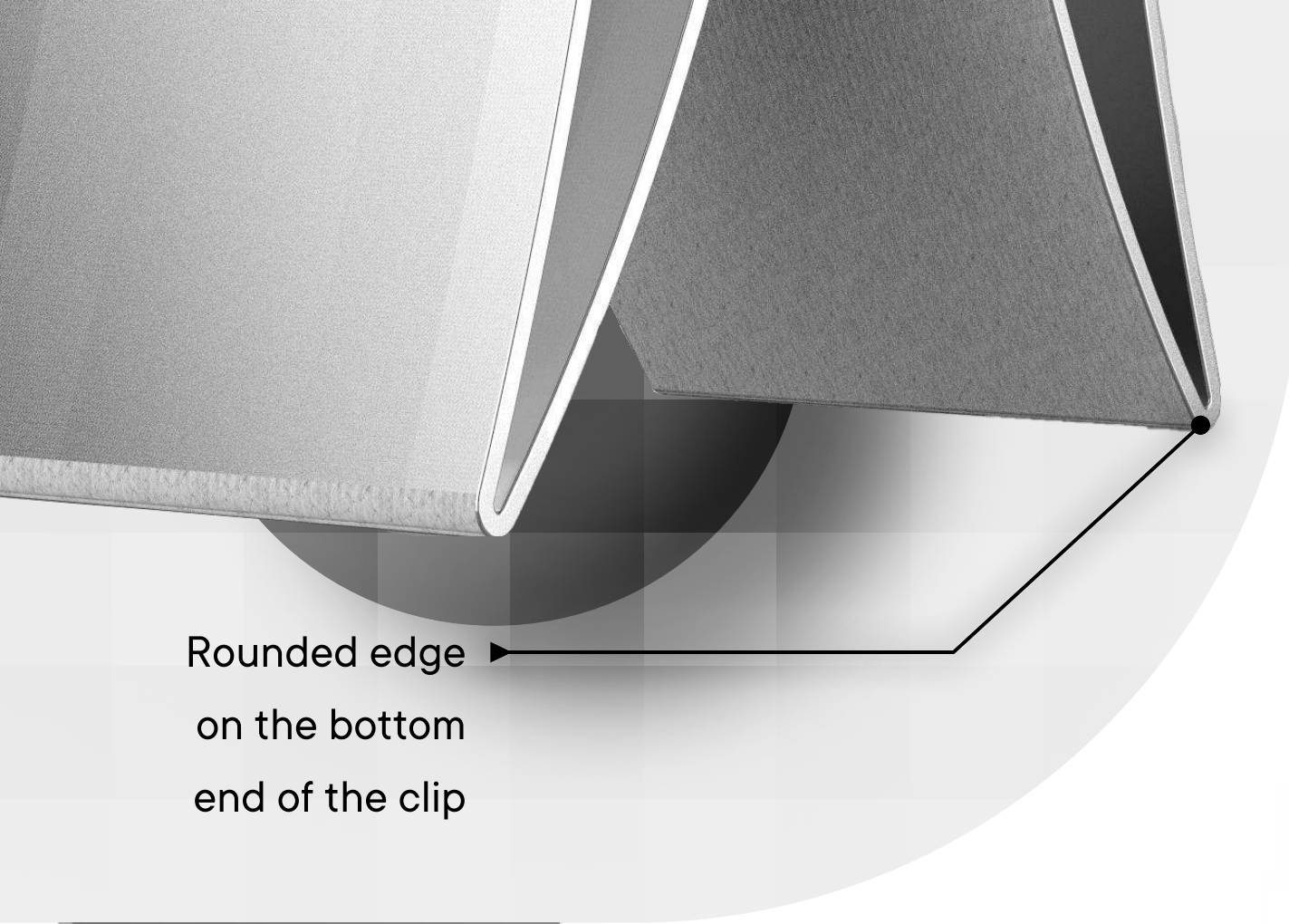
PROS	CONS
Durability	Cost
Corrosion-Resistance	Weight
Secure Grip	Imprints
Versatility	Availability

Wishland
Bamboo Cloth Clips

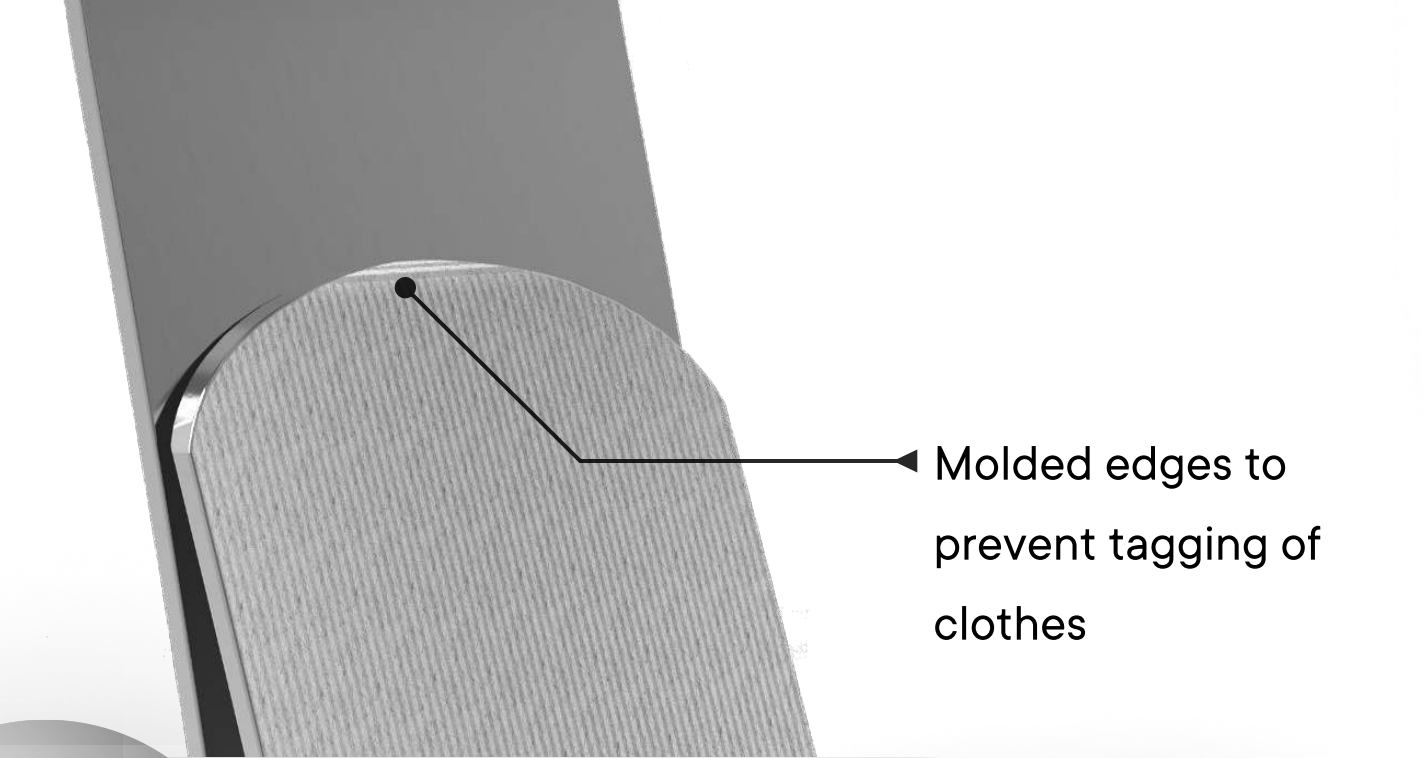


Rs.269 100/pack

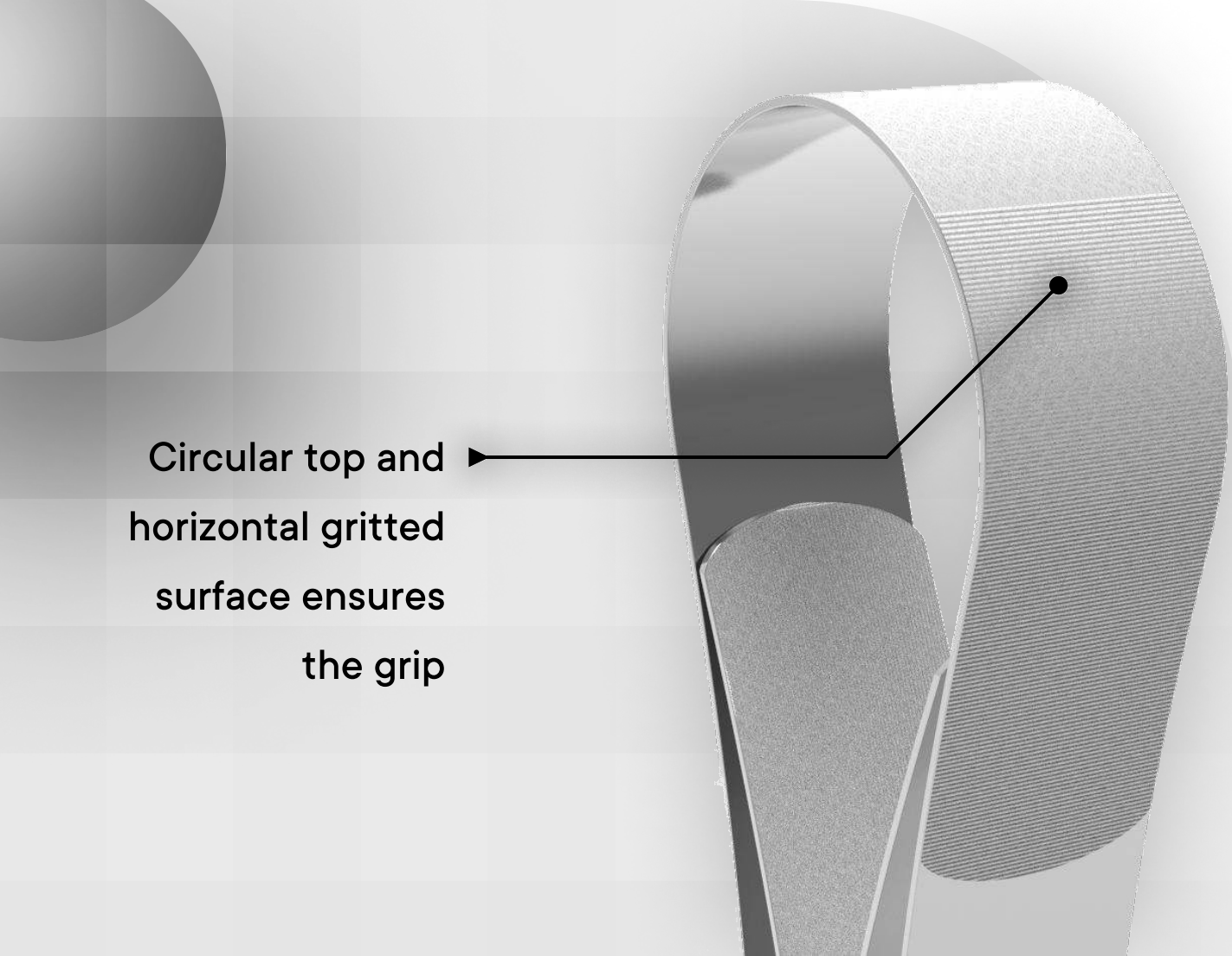
PROS	CONS
Biodegradable	Durability
Gentle	Weather
Aesthetic	Grip
Availability	Staining



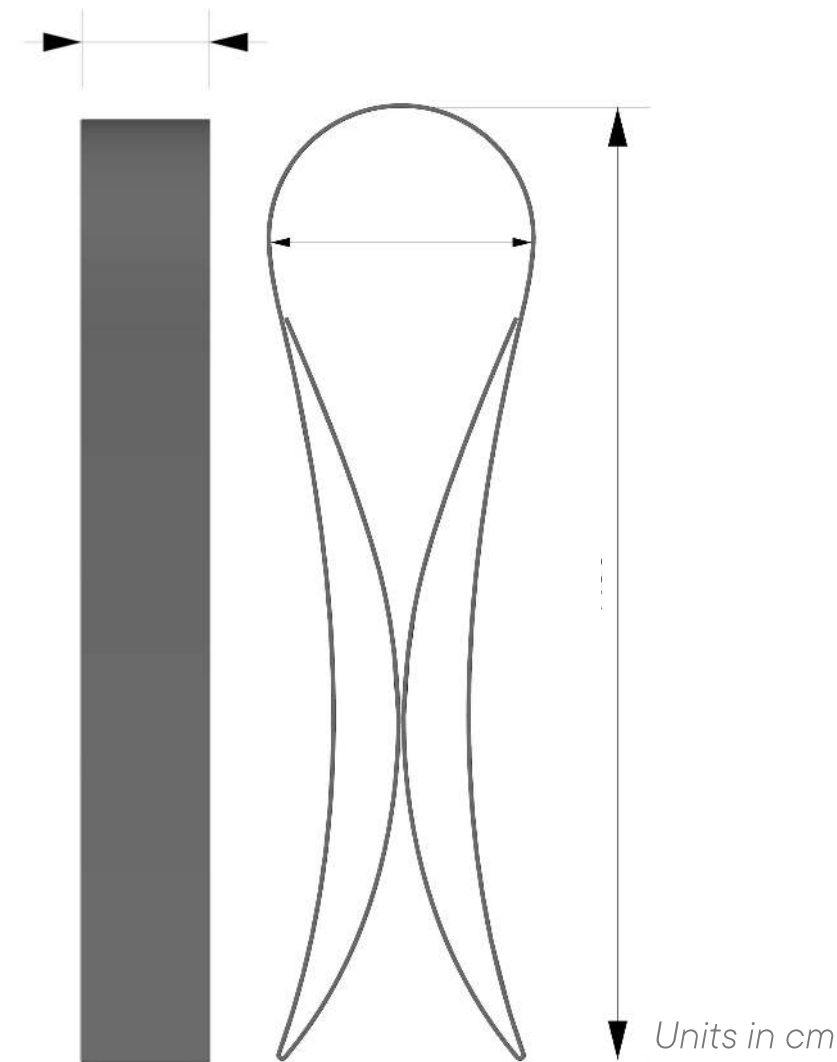
Rounded edge on the bottom end of the clip




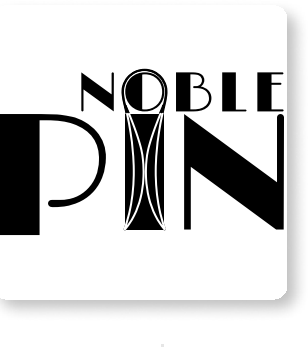



Molded edges to prevent tagging of clothes

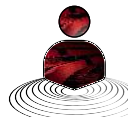



Circular top and horizontal gridded surface ensures the grip




				
Corrosion - Resistant	✓	✓	✗	✓
Durability	✗	✓	✗	✓
Affordability	✗	✗	✓	✓
Eco-friendly	✗	✓	✓	✓

 **Recycled material usage**
Utilizes recycled materials, departing from conventional materials prone to wear and environmental hazards.

 **User centric Design**
Addressing issues of wear and tear, user difficulties, and environmental hazards associated with conventional clips.

 **Ease of use**
Distinguished by its push-and-pull design, providing convenience, especially for elderly users and those with joint sensitivity.

 **Household essential**
Positioned as a premium yet affordable option in the market, catering to modern consumers seeking both functionality and sustainability in household products.



**this is a 3D visualization*