



Clip Chair

Outdoor Lounge Chair Design

Dimensions: 29"W x 28.5"L x 34.5"H

Material: Steel

The Clip Chair is a versatile seating option that seamlessly transitions from outdoor to indoor environments.

The design of this chair bears a resemblance to a paper clip, lending it a playful and whimsical aesthetic. The chair features a unique structure that dynamically adjusts to the user's weight, resulting in an enhanced sitting experience. The seat's curved metal rod cleverly forms a loop, offering a handy storage option for small items.

Early Sketch

3D Models & Fabrication notes

Working Process

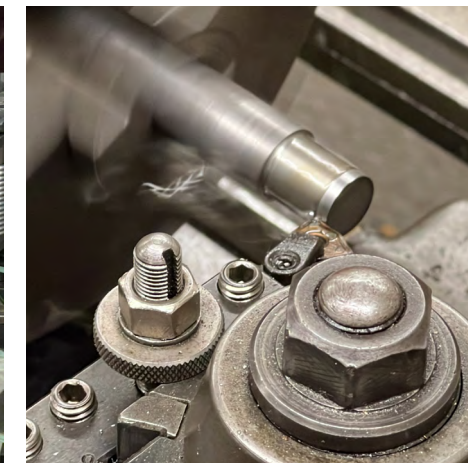
This design's production process involves just four steps: bending metal pipes, welding, sandblasting, and powder coating. Despite its simplicity, these steps yield a visually striking piece of furniture that boasts both an artistic appearance and a relatively low production cost and difficulty.



Bending tubes



Binding rods



Lathing joints



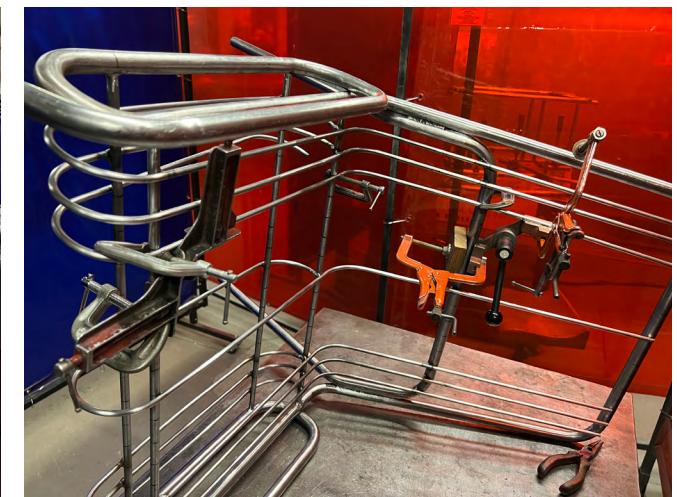
Hot bending



Grinding

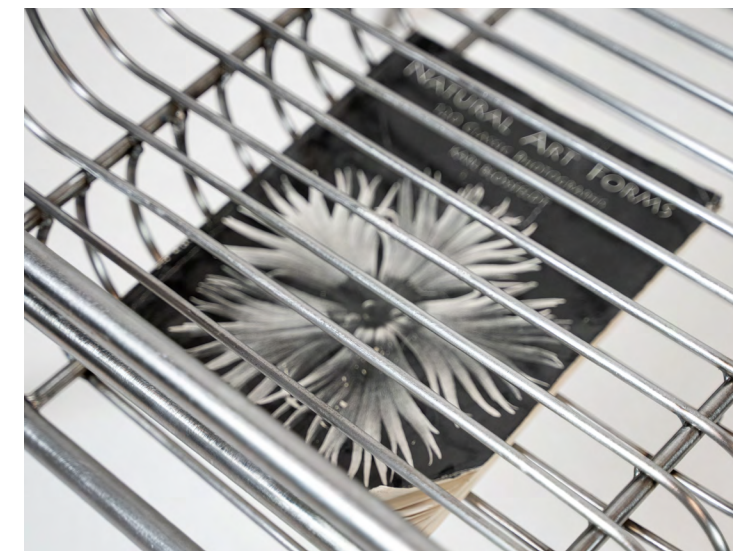
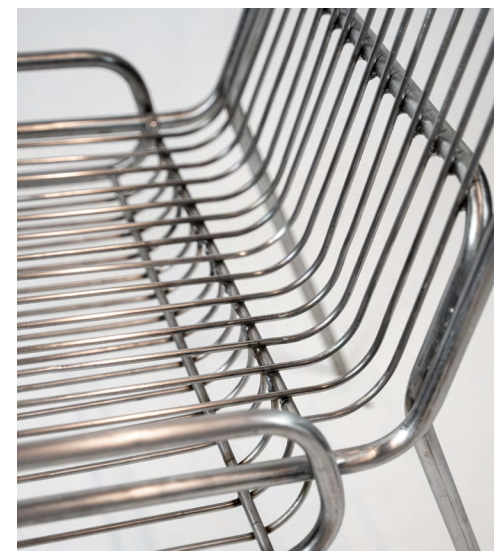


Welding the frame



Clamping the parts and welding

Details



Final Prototype



Typically, chairs incorporate mechanical components that enable users to adjust the seat or back angle, resulting in a complex design that utilizes various materials and complicates the recycling process. However, this design employs a paper clip-inspired structure that utilizes the elasticity of a single metal material to adjust the angle based on the user's weight. As a result, the recycling process is significantly simplified, with only one material used throughout the chair's design.

