EnPRO 358  Product Team

Prototype Development

Delta Hook Creation Process

1. Wire and charcoal are placed into a pipe and sealed airtight
2. The pipes are placed into an oven to allow the wire to normalize
3. Once normalized, the wire is easier to bend and can be done with a set of pliers
4. Using a template, the wire is hand bent into the profile of the Delta Hook
5. The bent hooks are placed into an oven to be heat treated and then again to be tempered
6. The heat treating has strengthened the wire, and the tempering got rid of any brittleness it may have had
7a. The two pieces of wire are joined together using a crimped piece of copper
7b. The hook pieces are arranged through a hard rubber ball, allowing greater flexibility

Crimped Prototype
+ very durable
+ sleeker profile
- less flexible

Rubber Ball Prototype
+ great flexibility
- less durability
- less elegant