

## Wrought Iron #1

- Produced by melting pig iron ingots in a furnace. This removes almost all carbon content and other impurities such as silicon and manganese.
- This highly refined iron combines with the iron oxide-silicate **slag (which is an impurity itself)** to produce the fibrous structure of wrought iron, resulting in very good tensile strength (**45,000 psi**), ductility, as well as corrosion and fatigue resistance
- Melting point approximately **2,800 F** (several hundred degrees above the melting point of its own slag)
- Characterized by extremely low carbon content (**0.003%, the lowest among all commercial irons**)

