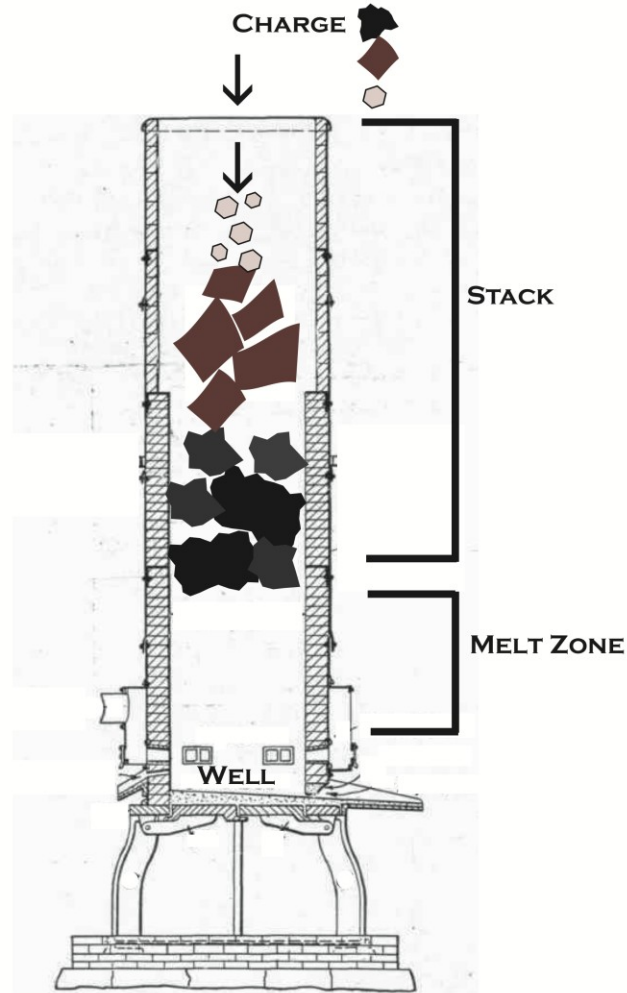


Functions

- Charge – the metal and fuel put into the furnace. A charge is made up of coke, iron, and limestone.
- Stack – where the charges sit until they reach the melt zone.

Parts of a Cupola Furnace

Cupola 2



Functions

- Melt Zone- the area in the furnace where the cold iron melts.
 - Cast iron melts at about 2,700 degrees Fahrenheit.
- Well – where the molten iron pools until the furnace is ready to be tapped.

Functions

- Wind Belt – distributes air evenly from blower to all tuyeres.
- Tuyeres - openings in the furnace that allow blast air to enter furnace

Functions

- Slag Hole – hole in the back side of the furnace where impurities are removed from the metal.
- Tap Hole - hole in the front side of the furnace where the molten iron is removed.



