Electric Bell

Construction:
1) Electromagnet inside the bell.
2) Copper wire wound around an iron piece. This coil acts as an electromagnet.
3) Iron strip with striker near the electromagnet.
4) Contact screw is in touch with the strip.

Working:
1) The current flows through the circuit, when the key is turned on.
2) The coil becomes an electromagnet.
3) Attracts the iron strip towards it.
4) The striker, attached to the iron strip, hits the gong.
5) Contact between the iron strip and the contact screw is broken.
6) The circuit is broken, the electric current stops.
7) The electromagnet stops acting as a magnet.
8) The iron strip goes back to its original position.
9) contact between the contact screw and the iron strip is restored.
10) Current starts flowing again, Electromagnet created.
11) Iron strip gets attracted to the magnet again.
12) This continues till the plug key is on.

This is how an electric bell works.