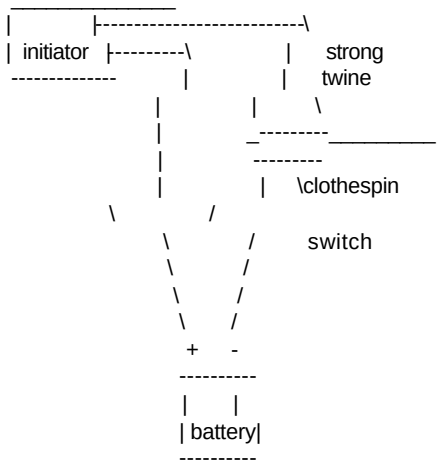
Material Required:

- Spring type clothespin
- Sold copper wire -- 1/16 in. (2 mm) in diameter
- Strong string on wire
- Flat piece of wood (roughly 1/8 x 1" x 2")
- Knife

Procedure:

1.Strip four in. (10 cm) of insulation from the ends of 2 solid copper wires. Scrape the copper wires with pocket knife until the metal is shiny.
2.Wind one scraped wire tightly on jaw of the clothespin, and the other wire on the other jaw.
3.Make a hole in one end of the flat piece of wood using a knife, heated nail or drill.
4.Tie strong string or wire through the hole.
5.Place flat piece of wood between the jaws of the clothespin switch.

Basic Firing Circuit:




When the flat piece of wood is removed by pulling the string, the jaws of the clothespin will close, completing the circuit.

CAUTION: Do not attach the battery until the switch and trip wire have been emplaced and examined. Be sure that the flat piece of wood is separating the jaws of the switch.

**140.Flexible Plate Switch by The Jolly Roger**

This flexible plate switch is used for initiating emplaced mines and explosives.

Material Required:

- Two flexible metal sheets:
  - One approximately 10 in. (25 cm) square
  - One approximately 10 in. x 8 in. (20 cm)
- Piece of wood 10 in. square x 1 in. thick
- Four soft wood blocks 1 in. x 1 in. x ¬ in.
- Eight flat head nails, 1 in. long
- Connecting wires
- Adhesive tape

Procedure:

1.Nail 10 in. by 8 in. metal sheet to 10 in. square piece of wood so that 1 in. of wood shows on each side of the metal. Leave one of the nails sticking up about ¬ in.
2.Strip insulation from the end of one connecting wire. Wrap this end around the nail and drive the nail all the way in.
3.Place the four wood blocks on the corners of the wood base.
4.Place the 10 in. square flexible metal sheet so that it rests on the blocks in line with the wood base.
5.Drive four nails through the metal sheet and the blocks (1 per block) to fasten the sheet to the wood base. A second connecting wire is attached to one of the nails as in step #2.