

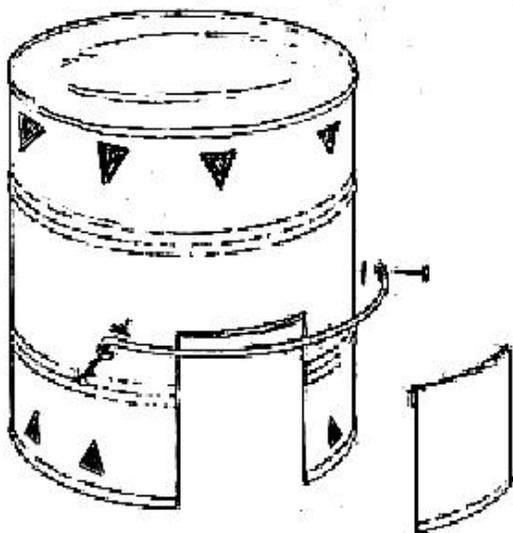
Fieldcraft Skill Series

Constructing a Patrol Stove



For this project, you will need two equally sized large cans, about the size of two large metal coffee cans. One will form the body of the stove, and the second will be used for a wind screen and pot stand. It will also provide the disk to form the double top of the stove.

The first step is to remove the bottom from one of the cans, and set it aside. Place the second can (which is the body of the can stove) with the opening up, and place the bottom from the first can inside the second can and ensure that it seats at the bottom flat and level.



Using a triangular can opener, make a series of evenly spaced openings on the sides along the top edge of the stove body. Be careful when cutting the openings to fold the small flap in and upward to hold the metal disk in place. This forms the double layer top of the stove, and the holes allow for circulation and air flow, and allow smoke to escape.

Using the same triangular can opener, cut a series of evenly spaced holes along the open edge of the stove body leaving an area of about 5 to 6 inches intact.

Along the edge that was left intact, cut an opening along the lower edge of the stove body about 4 inches square, and retain the piece cut out. At each side of the square opening, drill or punch two small holes. These will be used to attach the square that was removed to act as a damper to control the fire inside the stove.

Cut a piece of thick wire (a piece can be cut from a wire hanger) so that it extends past the two holes on the sides of the damper opening. They should be long enough to form an eyelet at each end wire in order to be attached to the stove body and hold the damper.

Using the square you removed from the can, and fold one edge of it over so that it can be hung over the wire. This will allow the fire within the stove body to be controlled by opening and closing the damper to control airflow, and add fuel as needed. Slide the wire under the folded edge, and pinch fold allowing free movement of the flap around the wire.

Place a washer on the underside of the eyelet, insert a sheet metal screw through each eyelet, and secure it in place with the washer against the stove body. You may need to adjust the wire to allow free movement of the damper

This stove retains heat and distributes it evenly across the upper surface, because of its double layer top. It also prevents rapid burnout of the can.

The can used for the inside burner is a low side can like a large tuna can. Cut a series of triangular openings along the top and

bottom edges of the burner can to allow air flow into the burning fuel.

