

## Scouts - Home Project

# MAKE YOUR OWN HIKE COOKER !



### WARNING

This project requires the use of sharp knives and naked flames. Make sure that you tell your Parents what you are doing before you start !

### YOU WILL NEED THE FOLLOWING :

- 1 - A 50g tobacco tin (complete with lid)
- 2 - Corrugated Cardboard  
(This must be cut into strips 1.5cm x 100cm, see reverse for details)
- 3 - A Candle and Matches
- 4 - String (20cm)  
(This must not be plastic - use the same type of string that is used for the wick of the candle)
- 5 - A craft knife or scissors (and a board to cut on, to protect the surface underneath)
- 6 - A rule (not a Ruler ; The Queen will be too busy to help you !)

1 - For use in the  
**OUTDOORS  
ONLY !**

2 - Place the lid of the tin on top of the cooker to extinguish the flames. Make sure the cooker and bricks are cold before you touch or move them

3 - Have a supply of water available as an emergency extinguisher.

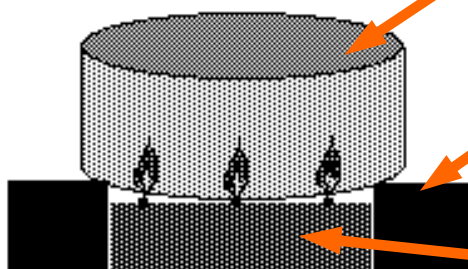
### How to use your Cooker :

Place bricks around the cooker to support your cooking container - ensure that the supports are stable.

**BEFORE USING THIS,  
TELL YOUR PARENTS !!**

A Cooking Container  
(A small saucepan or frying pan). Light the cooker wicks (strings) before putting the container on the bricks

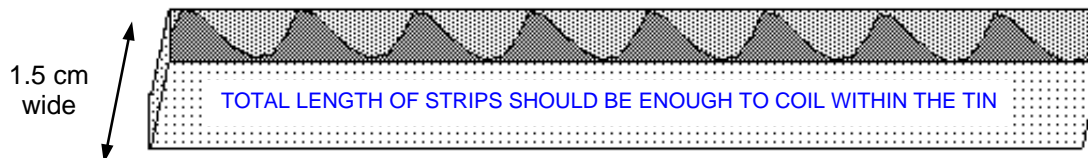
**Bricks** to support the container (make sure there is a gap so that oxygen can get to the flames)



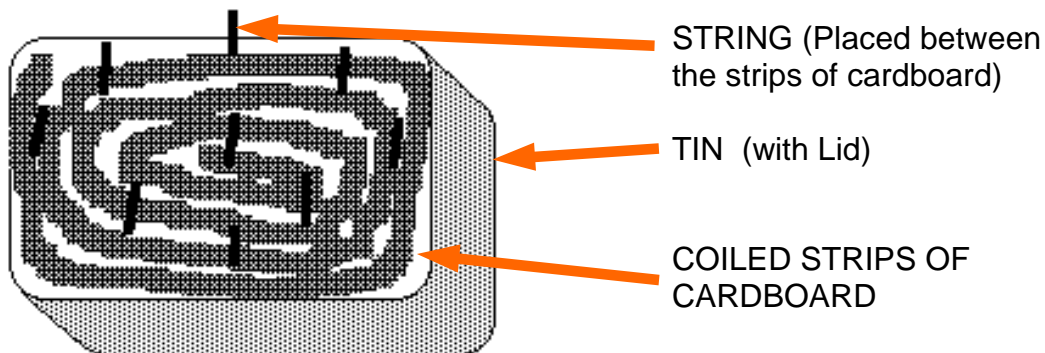
**The Hike Cooker**

**Step 1** - Thoroughly clean out the tobacco tin

**Step 2** - Cut the cardboard into strips 1.5 cm wide (make enough strips for a total length of 100cm). Use a ruler and craft knife (or scissors) to do this. Make sure that you use a board to protect the surface underneath. The corrugations must run along the width of the strips, not along the length.

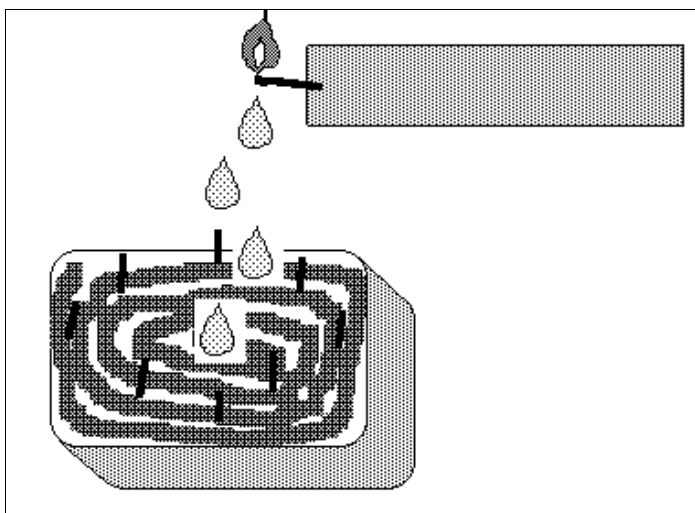


**Step 3** - Coil the strips of cardboard into the tin, making sure that they are packed tightly in a spiral. When this is done cut nine pieces of string to a length of 2cm, and insert them between the cardboard strips. These pieces of string will be the wicks of the cooker, so they should be placed an equal distance from one another to ensure an even flame.



**Step 4** - THIS PART MUST BE DONE OUTDOORS - When all the cardboard and string is in place, light your candle. Let the melting wax from the candle drip all over the cooker (this is the fuel), make sure that the wicks and all the cardboard (and any spaces between the cardboard) are covered. Make sure that you place newspaper underneath the tin to catch any stray drops and to protect what's underneath.

CANDLE WAX IS HOT AND STICKS, SO TAKE EXTREME CARE. MAKE SURE YOU HAVE A CONTAINER OF WATER NEARBY AS A FIRE EXTINGUISHER.



**YOU ARE NOW READY TO USE YOUR HIKE COOKER :**

It will be large enough to boil a small amount of water or quickly fry an egg, but needs to be out of the wind to work.

To re-fuel your cooker, replace the wicks and cover with wax again.

After several uses the cardboard will also need to be replaced.