

Alternate Base Plate for the Copenhagen Solar Cooker Light



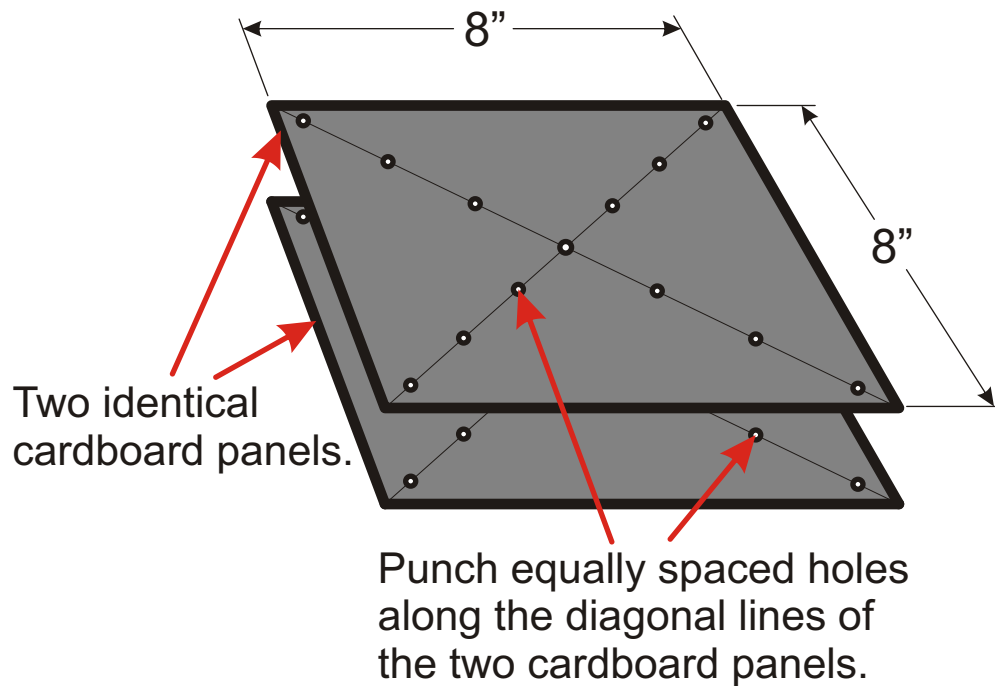
I consider the Copenhagen Solar Cooker Light as one of the best simple solar cooker designs that I have come across. I admire its simplicity, compactness, adjustability as well as its amazing cooking power despite its small size.

The inventor, Sharon Clausson, did a wonderful job with the cooker design. In this writeup, I would like to introduce an alternate cooker's base plate, which will result in an improvement to the cooker's assembly time from 15 minutes to a minute and disassembly to less than 10 seconds. With this alternate base plate, there is no more worry of the bolt or nut getting lost when you bring your Copenhagen Solar Cooker Light with you on your next hiking or camping trip.

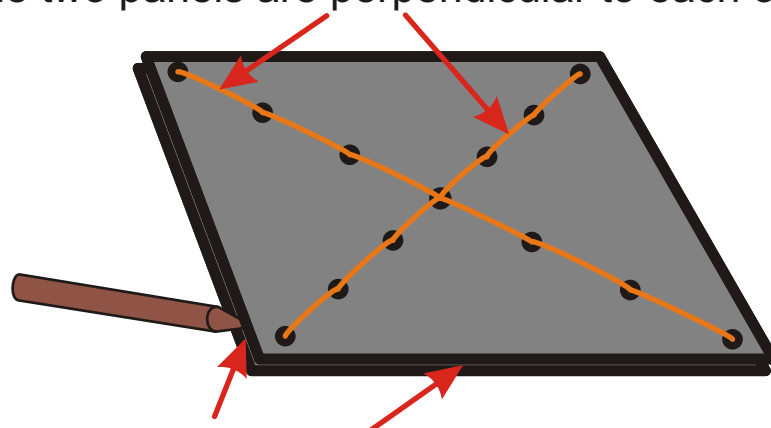
The plan and the construction steps for the alternate base plate are provided in the following pages. I hope that this very simple alternate base plate, which you can easily make at home, using cardboard from an old box and some cord, will become a useful addition to your Copenhagen Solar Cooker Light.

Teong H Tan
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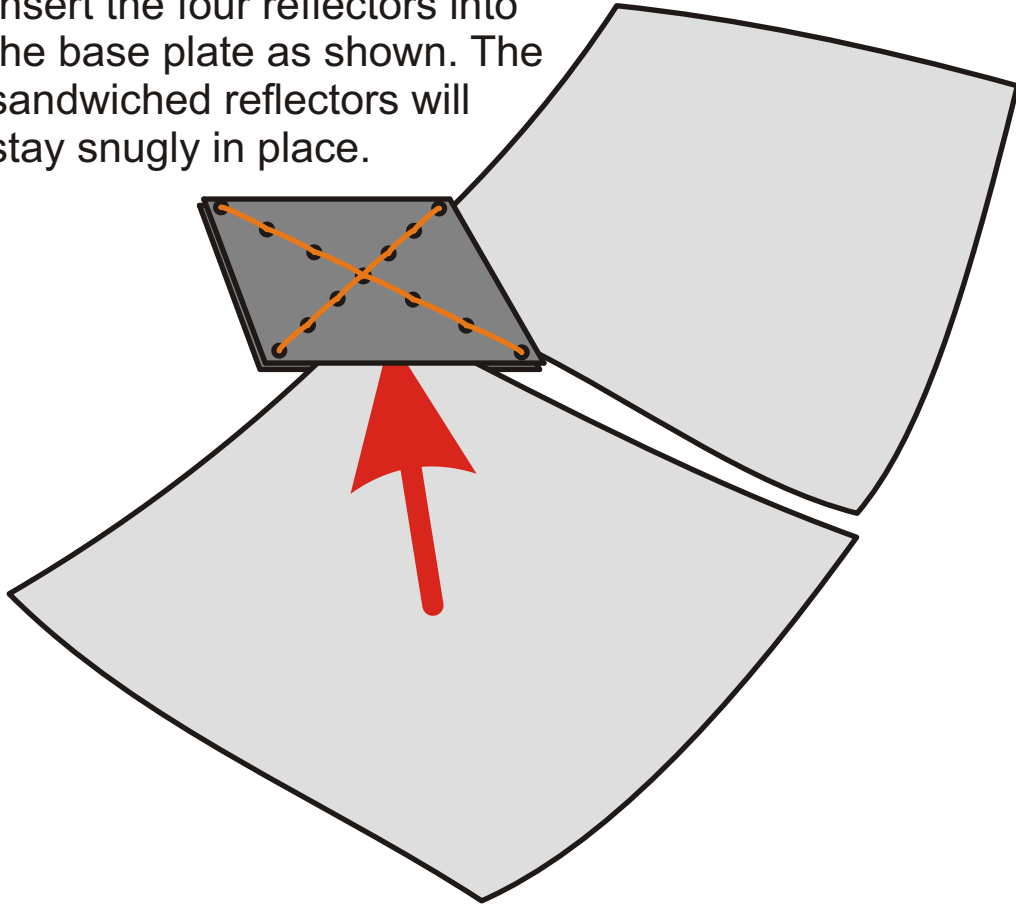
Plan and construction steps for the Alternate Base Plate



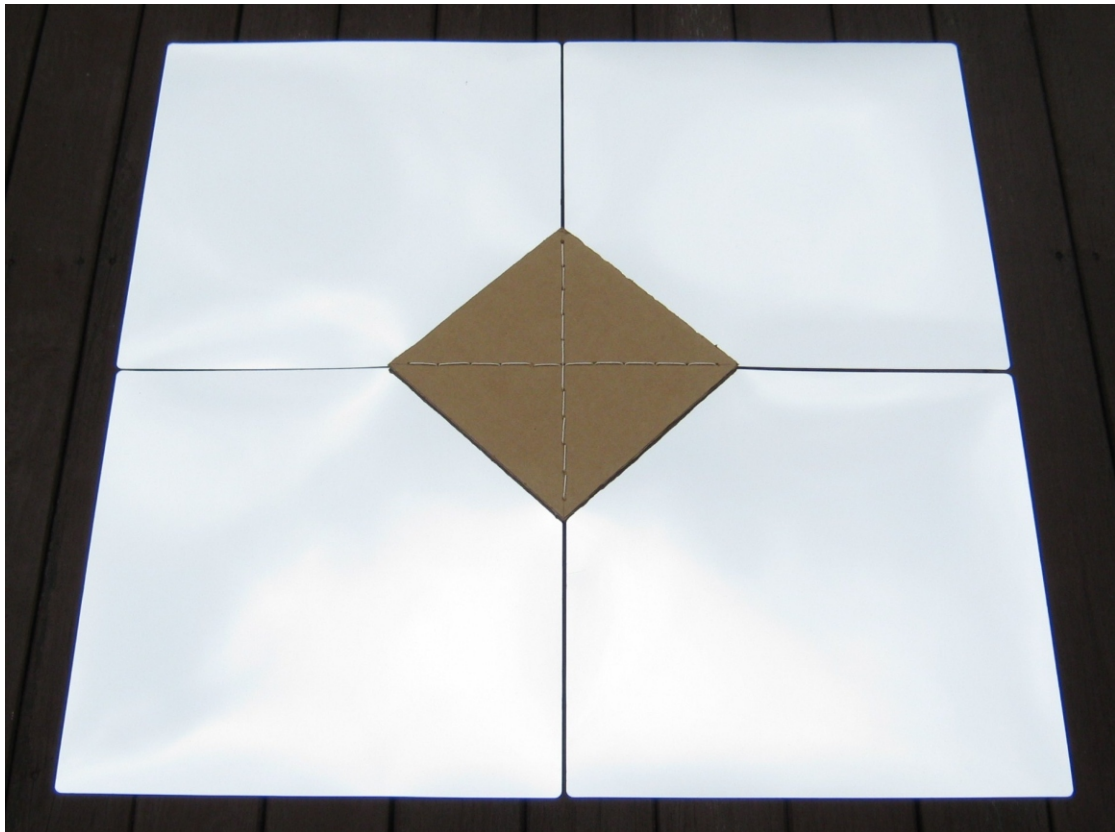
String the two panels together. The flutes' direction for the two panels are perpendicular to each other.



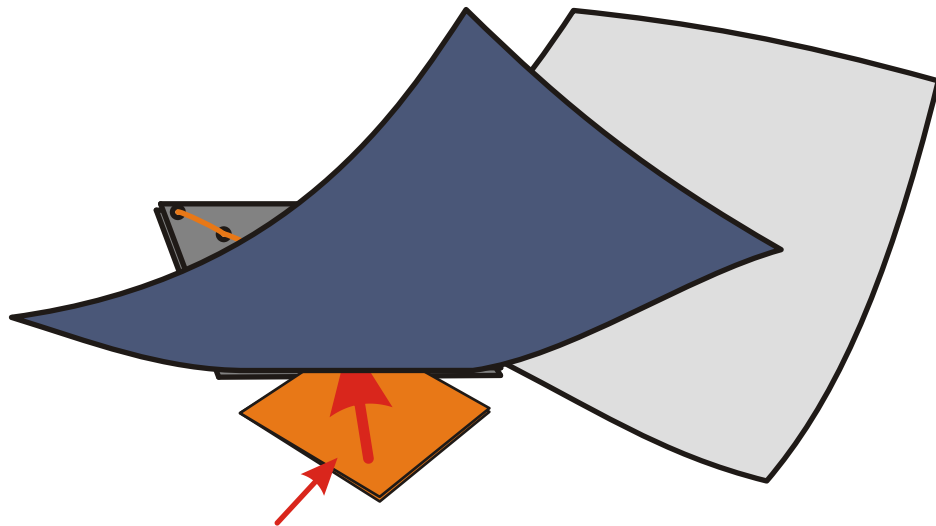
Insert the four reflectors into the base plate as shown. The sandwiched reflectors will stay snugly in place.



Picture showing the four fully installed reflectors.



The clearance between the two cardboard base panels will increase over time, resulting in the cardboard base losing its grip on the four reflector panels. A simple way to correct this is to insert a folded piece of paper directly under each of the four installed reflectors. This will result in a tighter fit for the four reflectors, preventing them from slipping out.



Folded piece of paper.
Thickness varies with
the number of folds.

The folded paper can be left inside the base plate. Just insert the four reflectors as usual to set up the cooker.

