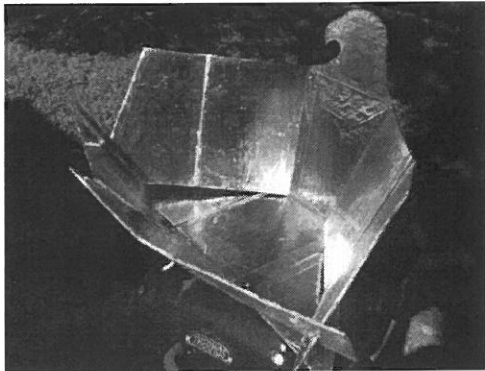


"THE EAGLE"

by Manda
("Talzhemir")

It's portable, and, like its parent, the world-famous *CookKit, the Eagle folds up to the size of a large book.



*CookKits by the thousands are used in many nations around the world!
<http://solarcooking.wikia.com/wiki/Cookit>

MATERIALS NEEDED:

- 11 pieces of paper or cardstock
- 11 pieces of cardboard
- 3 large glue sticks or white glue
- 1 roll aluminum foil
- 1 roll transparent packing tape
- 1 roll duct tape (any color)

TOOLS: Scissors,
Computer Printer (optional!)

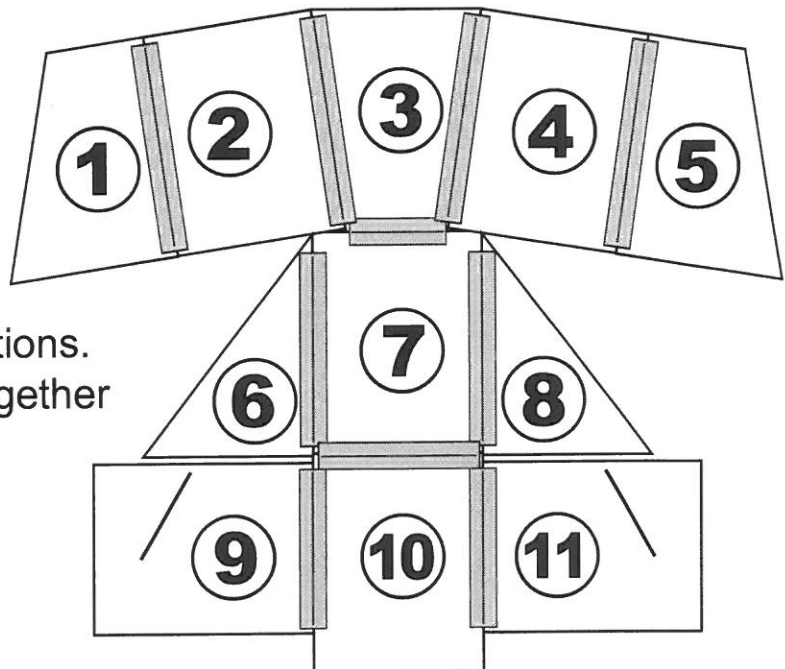
There are eleven sections.
The pieces are put together
with duct tape.

Make Your Very Own Reflector Style Solar Cooker

This .PDF file has a set of page which are intended to be printed out and glued onto heavy cardboard, then covered in foil. There are eleven sections and the pieces are held together with duct tape. If treated gently, an Eagle will last four or more years.

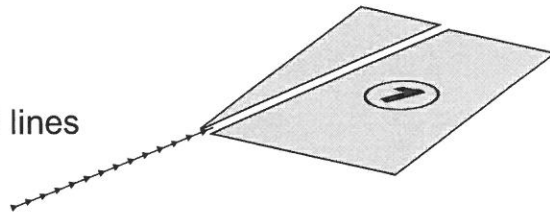
This style of solar cooker requires one heat-resistant plastic oven bag ("turkey roasting bag") and a pot (colored black) with a lid.

What makes the Eagle special is that the pattern is made of American-standard 8 1/2" X 11" paper (the kind you put into a typical printer). There is very little measuring involved, and no use of a compass to measure any angles. The pattern can also be made by connecting corners and edge marks made with a ruler.



PREPARING THE PIECES

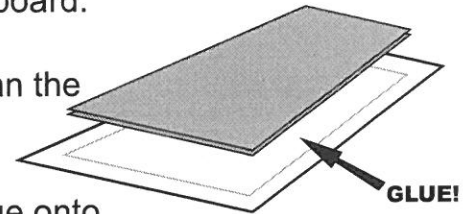
1. Print a page out. Cut along any dotted lines (made of triangles).



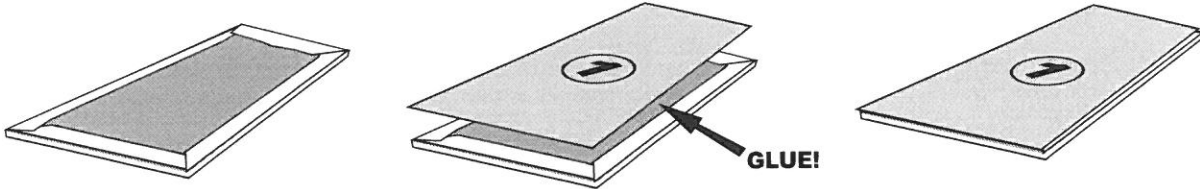
2. Use this as a pattern to cut out a piece of heavy cardboard.

3. Cut out a piece of foil roughly 3/4 of an inch larger than the cardboard piece.

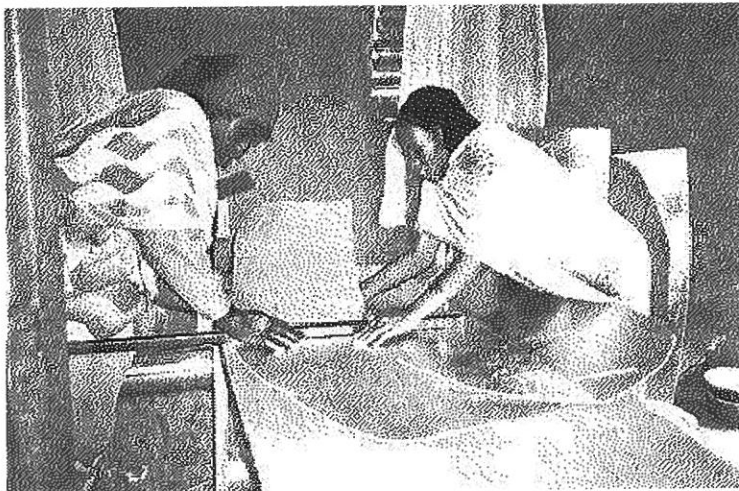
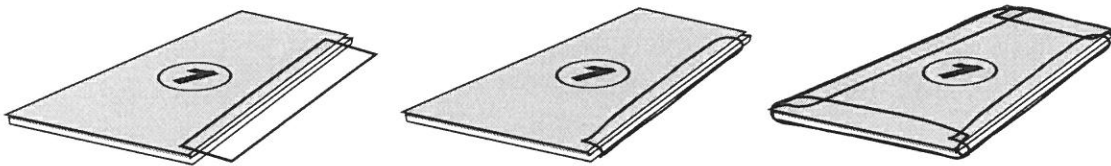
| 3/4" |



4. Use a piece of cardboard to spread ordinary white glue onto the cardboard. Cover it with the foil, shiny side out. Smooth the foil down flat and folding the edges around the cardboard. Try to keep the glue off the foil surface. Glue stick also works.



5. Wrap all edges with transparent packing tape. **Good job!** You've got ten more to go.



These refugee women from Darfur at the Iridimi Refugee Camp are making a CookKit. The Cookit is made from one single piece.

ASSEMBLING THE PIECES

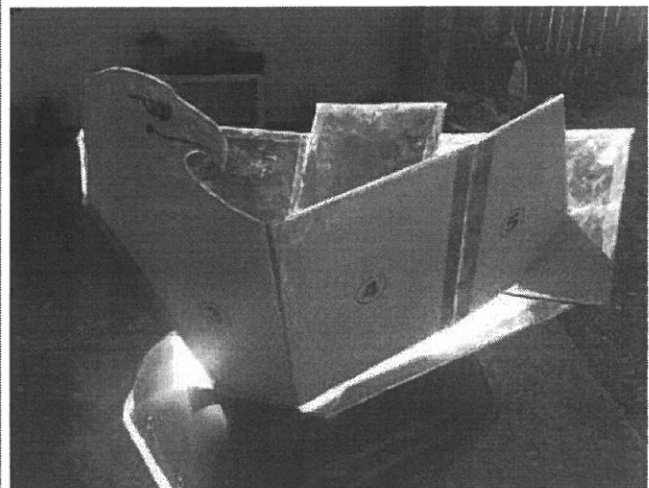
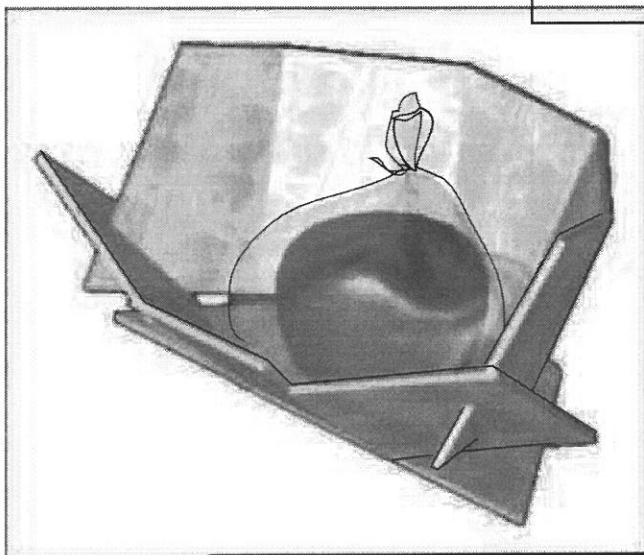
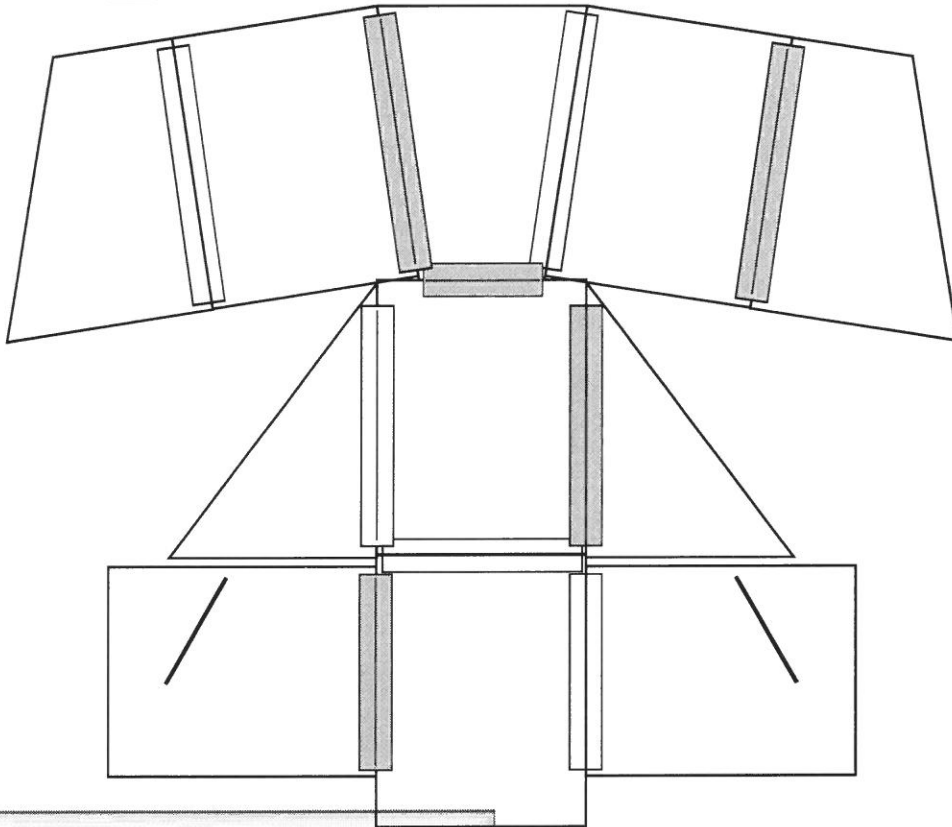
To make an Eagle that folds up better, try this arrangement of duct tape:



on the foil side



on the paper side



Solar Cookers International in Sacramento, California, developed the CookKit as an adaptation of a cooker designed by Dr. Roger Bernard in France.

3 1/2"

1

2

3

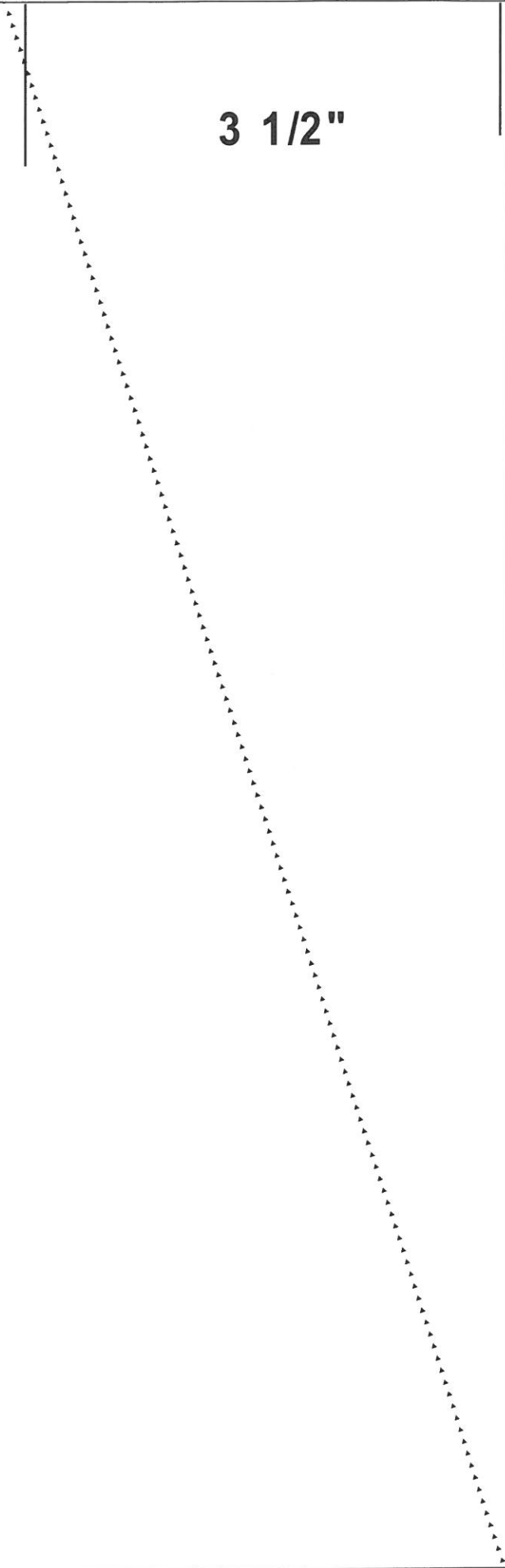
1 3/4"

1 3/4"

4

5

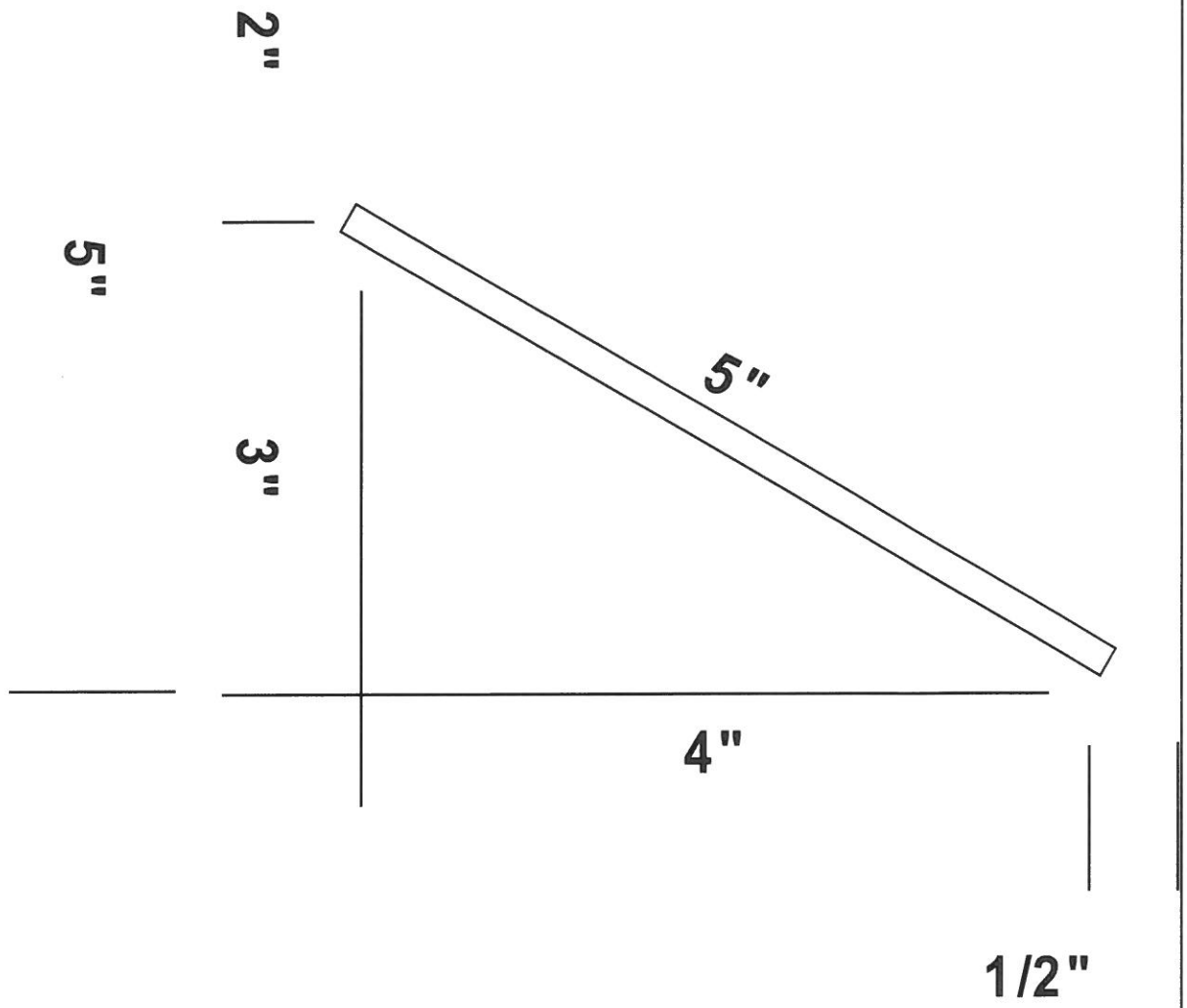
3 1/2"



6

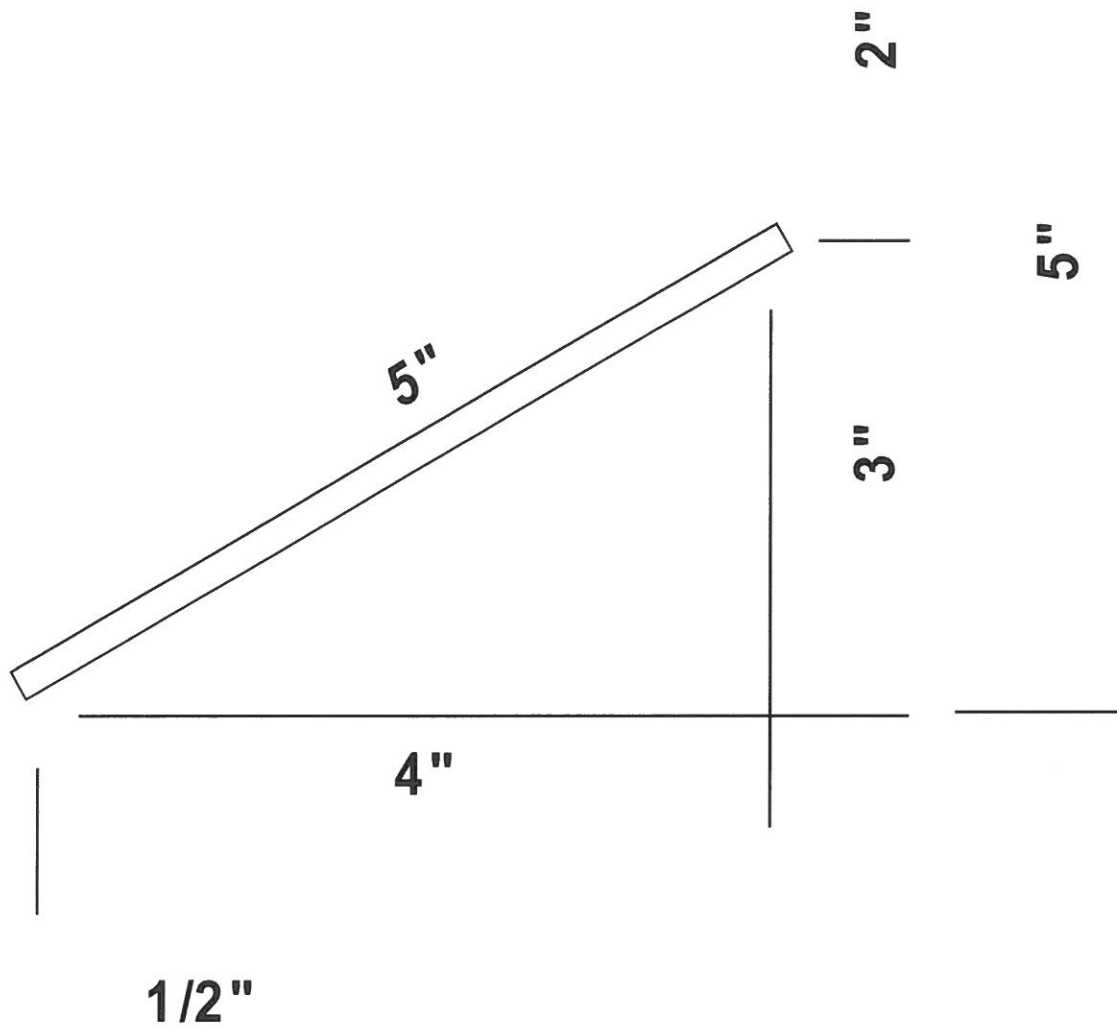
7

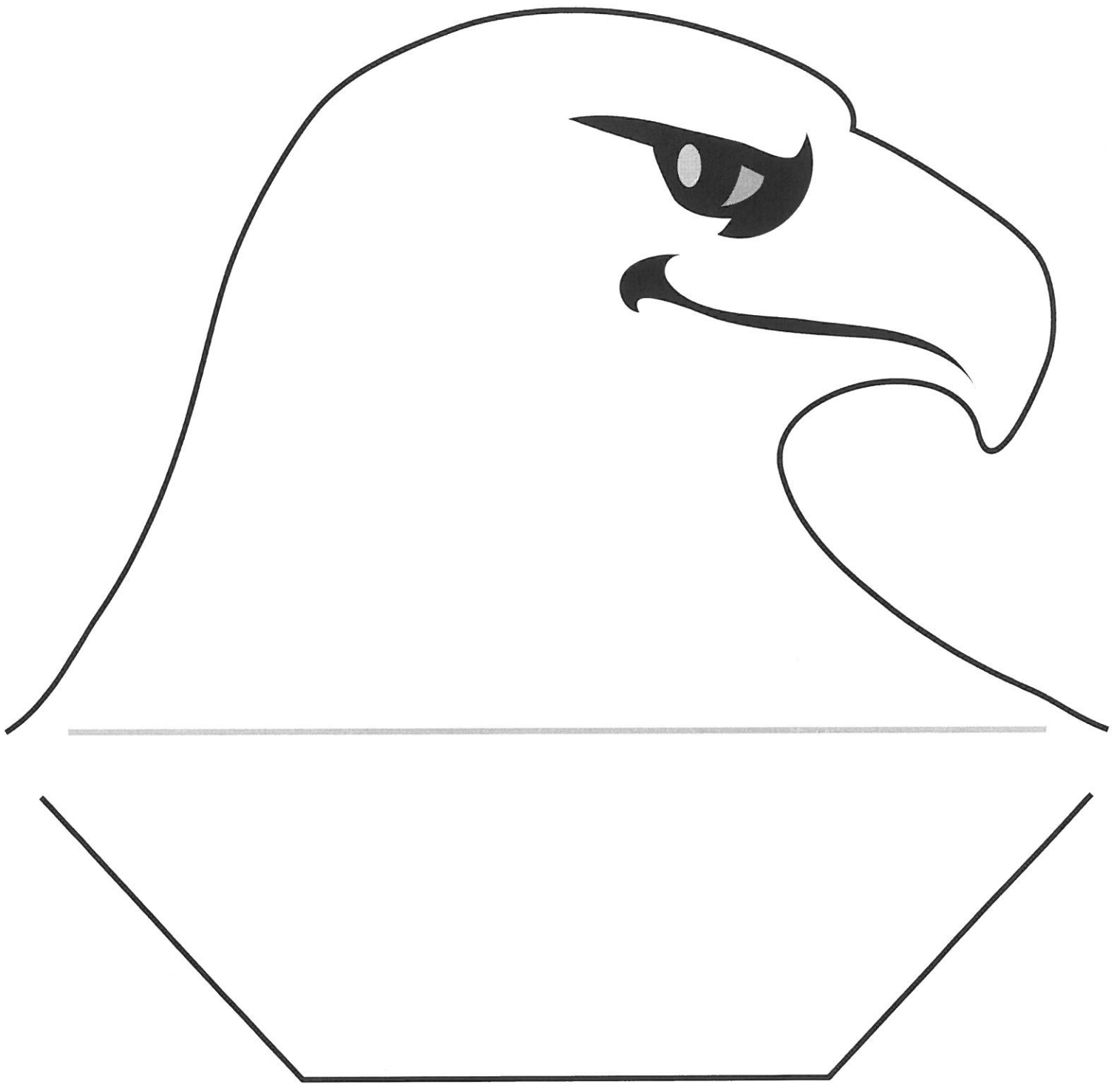
8



10

11





***Does your Eagle need a head?
Construct this piece out of cardboard. Attach it to the
back of your cooker's center piece. Bend forwards to help
reflect sunlight.***