



## **School Project Sheet**

# **Making a Carpenter's Hat**



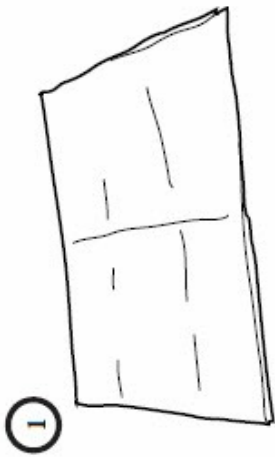
Traditionally carpenters and printers made paper hats to keep dust and ink from their hair.

With plenty of paper around in a print works this is an understandable tradition but we have no idea why carpenters adopted the idea.

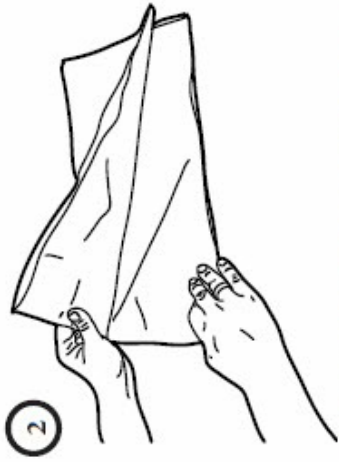
We only really know about the tradition from the illustration in the Lewis Carroll's poem *The Walrus and The Carpenter* from his book *Through the Looking-Glass and What Alice Found There*, 1872.

Just for the fun of it here are the instructions on how to make the hat.

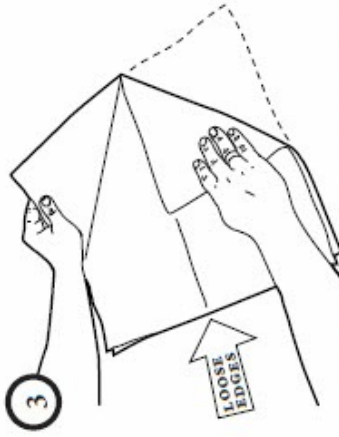
Unfortunately broadsheet size newspapers are now rare so we suggest that you use some A0 newsprint that can be purchased from education suppliers such as GLS



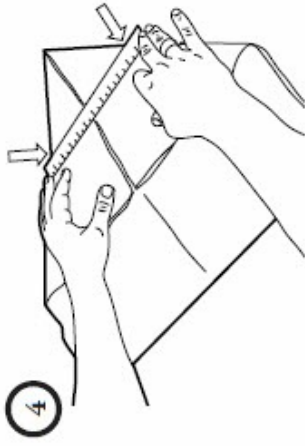
Start with a four-page broadsheet leaf of newspaper. Any thin paper 24" x 36" and then folded in half should work.



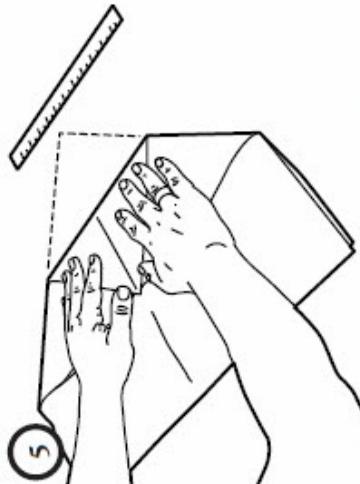
Fold it in half yet again. Make a crease perpendicular to the first vertical fold, and then unfold again.



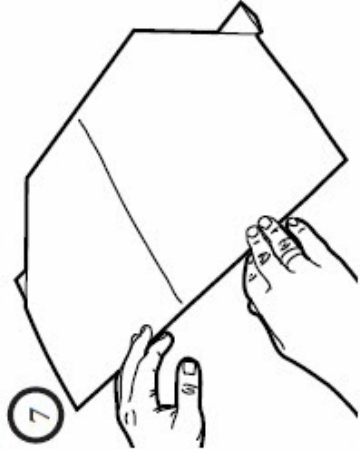
With the loose edges facing you, fold the upper corners into the centerline, as if making a paper airplane.



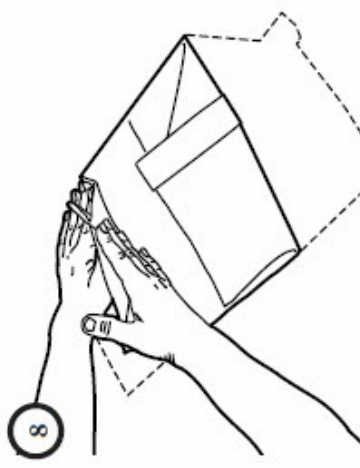
Locate the spot where the distance between the two edges of the top triangle is exactly half the circumference of the wearer's head  
N.B. A common hat size is around 11-1/2"



Fold the top at the spot you marked in step 4. Again, the length of this crease must be half the circumference of the wearer's head.



Turn the whole thing over. It should look the same as the illustration above. You should see the ends of the brim peeking out.



Fold in the sides. Put the creases right next to the corners of the fold from step 5.



Fold each of the bottom corners up to the brim. These folds may overlap depending on hat size. This is nothing to worry about.



Tuck the last fold of the bottom triangle into the brim. This also secures the brim



Flatten everything out and sharpen all the creases. Take another break. Check to see if anyone is watching you.



13 Open the hat all the way. That is to say, the corners of the brim will touch the inside center of the hat.



16 Tuck the protruding corners into the brim



14 Flatten the brim against the inside of the hat. Repeat on the other side



17 Repeat on the other side and crease. Should you need to transport the hat in a pocket, return it to this shape



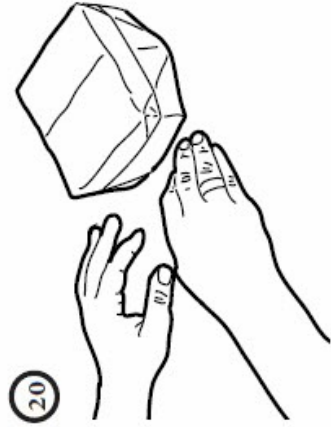
15 Now you should have a flat squarish shape. Smooth all the creases around the edges



18 Now lift the brim to open the hat again.



19 Sharpen up all of the corners to make it look crisp and neat.



20 Turn it over and admire your handiwork. Now make one for everybody you know. There's no stopping you!



Illustration by John Tenniel for the poem "The Walrus and The Carpenter" by Lewis Carroll 1871