

To make a shadow puppet screen

Materials:

2 X 1200 mm 20 mm poly pipe [1.2 metres]

2 x 900 mm 20 mm poly pipe [.9 metre]

4 x 150 mm 20 mm poly pipe [15 cm]

2 x 50 mm 20 mm poly pipe [5 cm]

2 x 90 degree 'elbows' 20 mm poly pipe joiner

4 't' joiners 20 mm

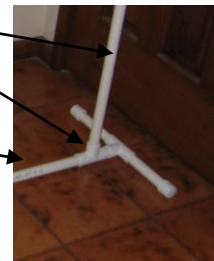
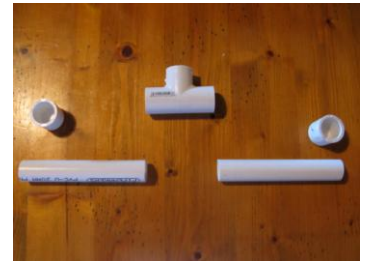
4 'stoppers' to go on 20 mm pipe

Calico- 1360mm x 1060 mm [1.36 metre x 1.06 metre] **Warning:** It may shrink! So wash, bleach if you wish, dry and iron ready for use before cutting to size.

Method:

1. Make the feet. Use 1 "T", the 2 X 150mm pieces and the stoppers.

Join to another "T" with the 50 mm piece of pipe, "T" facing upwards. You should be able to see this in the picture. This then allows you to add upright [900 mm] and the bottom rung [1200 mm].



Repeat for other side of frame.

2. Now for the top frame. Use the 'elbow' 90 degree joiner,



3. Slip over the 900 mm upright and slip over the 1200 top bar.



4. Repeat for other side and you should have the frame.



Make the calico screen:

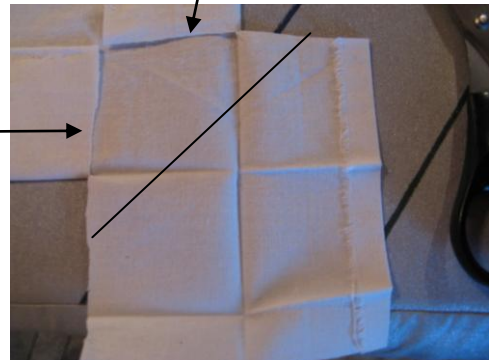
1. Cut the calico to the size required.

2. Sew a pocket on **all** sides to take the 20 mm pipe. This pocket needs to be 60 mm [6 cm] with about 20mm [2 cm] turn over inside. [That's what I have allowed for in the size of the calico]

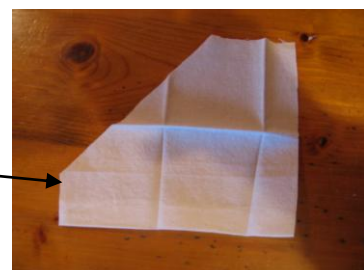
Don't sew the pockets right to the ends, you are going to make a corner to accommodate the elbow and T joins on the corners. This is the only tricky bit. When you have folded, ironed flat and sewn the pocket almost to the corner you are ready for the corner.

3. Cut [as shown] and fold out the material in the corner.

4. Cut across the corner as shown .



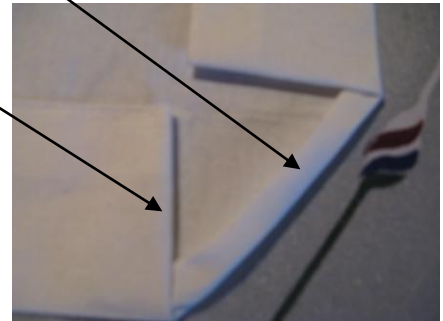
5. The piece cut off should look like this.



6. Then carefully fold over a hem on the diagonal, hand sew a hem across the corner.



7. Fold under the side pieces and **back stitch** them to make a neat hem. NOTE the pocket has to be left open for insertion of pipe.



8. Place top and bottom pipe bars into the cloth pockets, then the two upright pieces, join the corners, add the feet and it should look like this.



9. Now you have a screen ready to use, or put away in a bag you can make for that purpose.



10. I made a simple bag with open end and added a self-tie attached to the side seam. When finished everything will fit inside and be ready for storage, transporting or using when ready.



Now you can start making your shadow puppets!