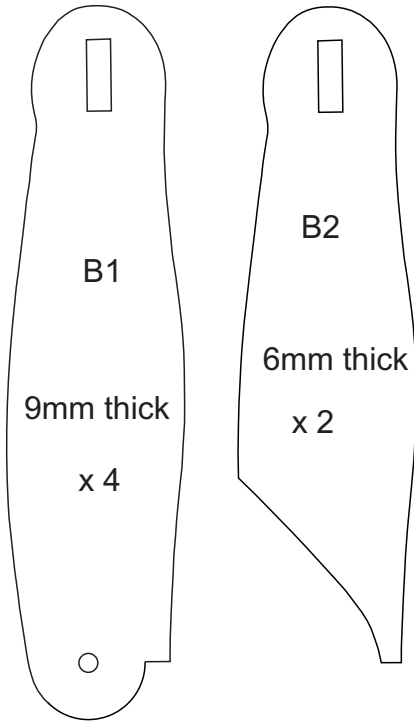


MAKING LANCHESTER'S MARIONETTE

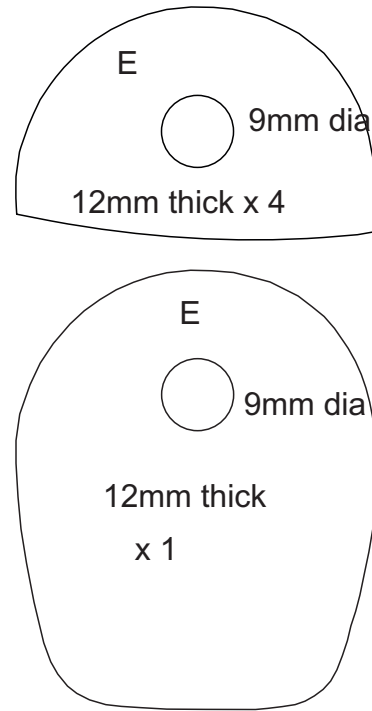
In 1937, English puppeteer Waldo S. Lanchester published a small book entitled "Hand Puppets & String Puppets". In a slip pocket attached to the book he included a full size set of plans outlining a precise method for making a marionette.

TEMPLATES (1)

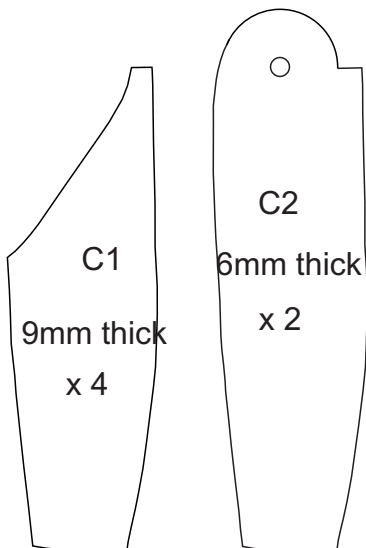
UPPER ARM



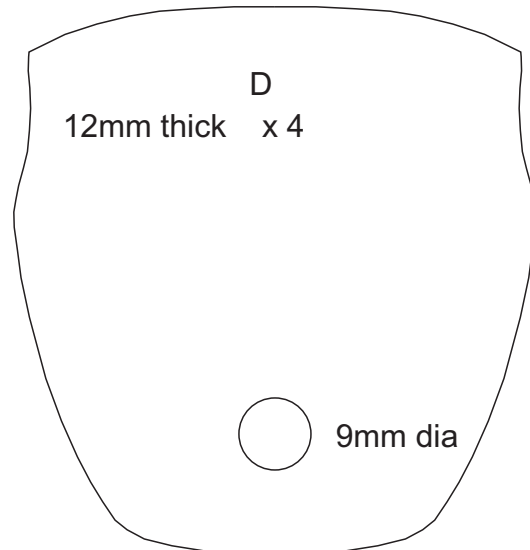
LOWER BODY



LOWER ARM



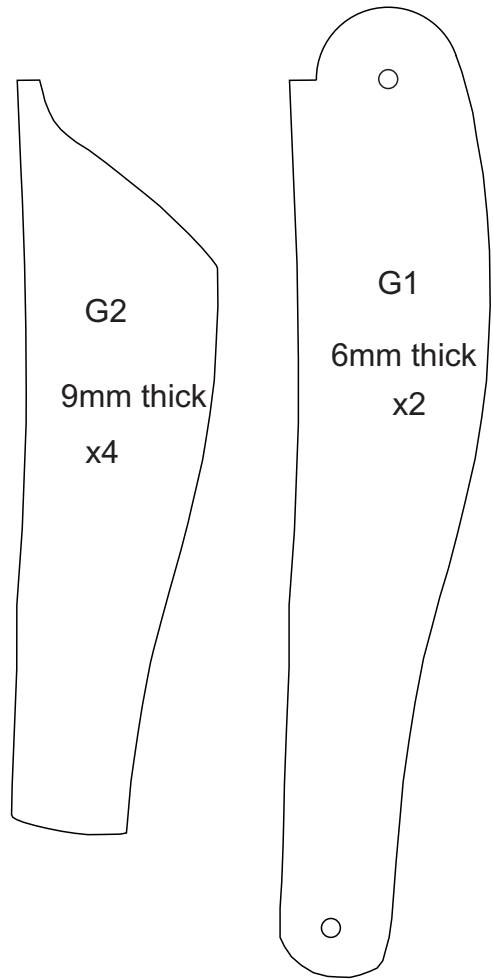
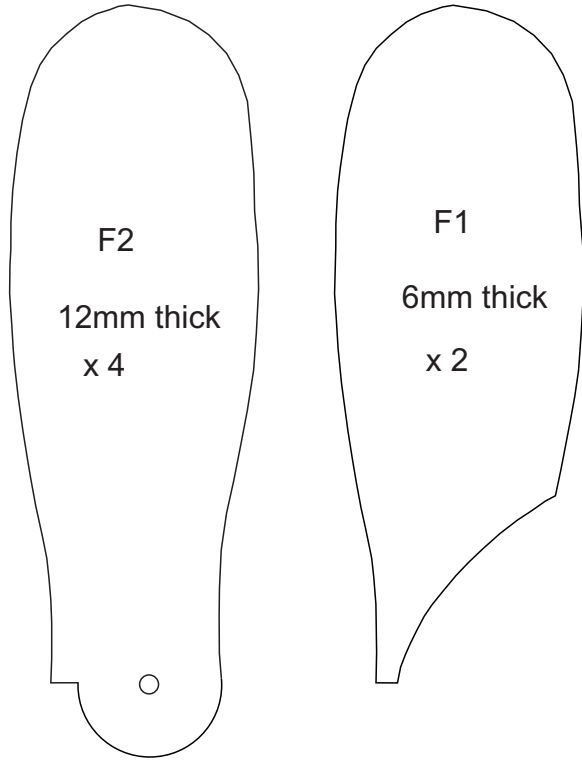
UPPER BODY



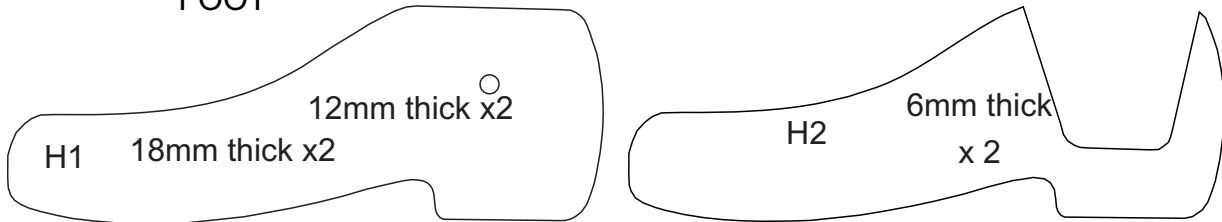
TEMPLATES (2)

LOWER LEG

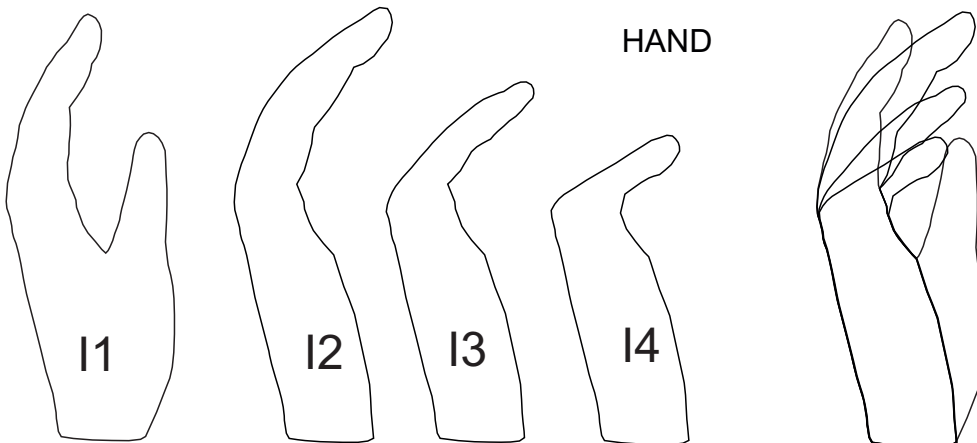
UPPER LEG



FOOT



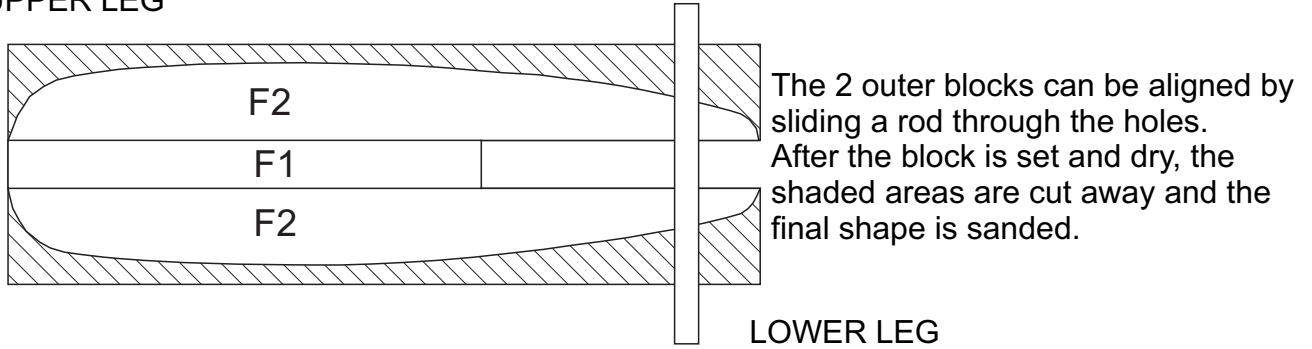
HAND



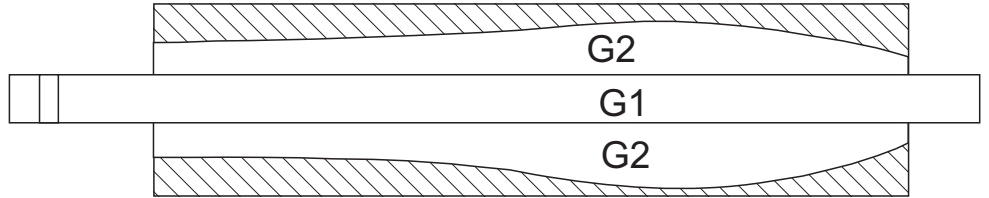
Hand 1 - 4 are all 6mm thick

The thigh pattern ("F"). F1 is cut out of 6mm wood and 2x F2 are cut in 12mm wood. The 3 sections are glued and clamped.

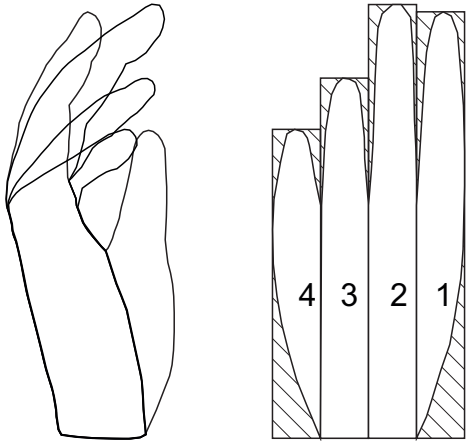
UPPER LEG



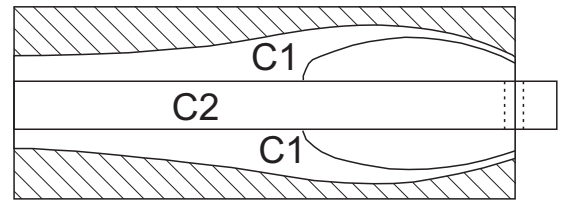
LOWER LEG



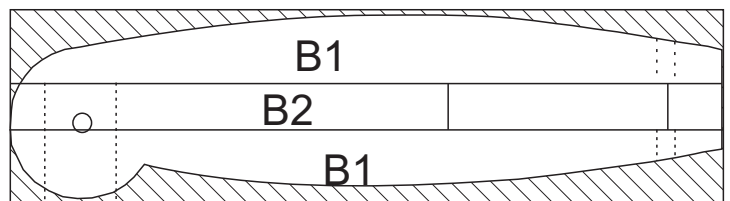
The hand should be individual to each puppet but for the Basic Form outlines 1-4 are cut in 6mm wood. Each finger is rounded and the 4 slips glued & clamped. When set the shaded portions are cut away & square edges are rounded off.



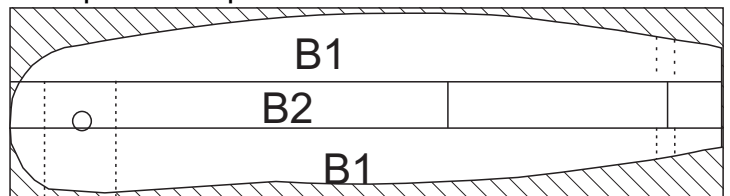
FOREARM



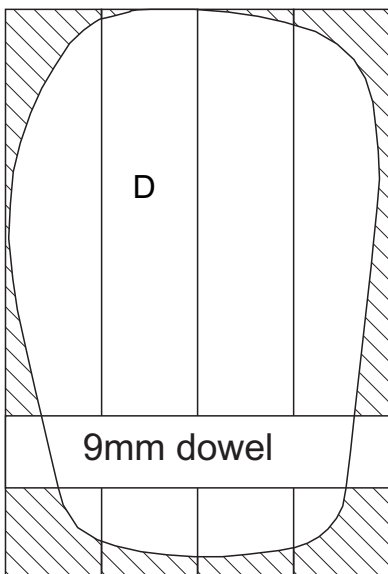
UPPER ARM



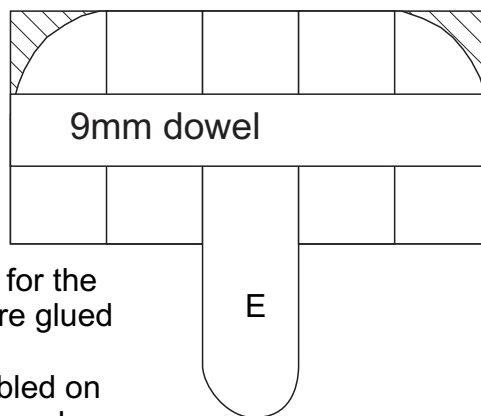
Simplified shape for UPPER ARM



UPPER BODY

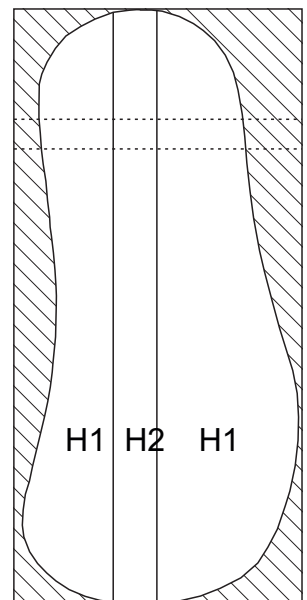


LOWER BODY

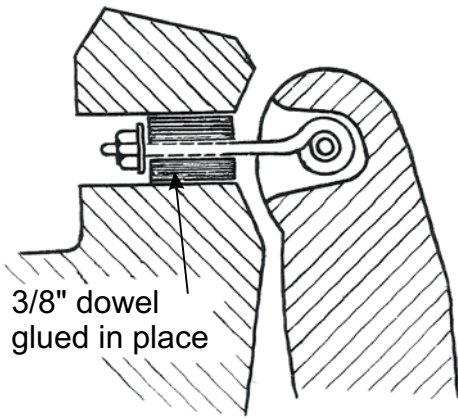


Pieces for the body are glued and assembled on 9mm dowel.

Suggested shape for FOOT

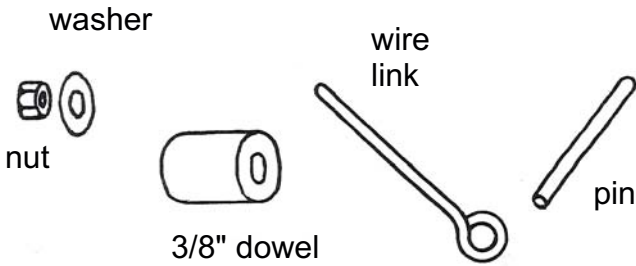


DETAIL OF SHOULDER JOINT



3/8" dowel
glued in place

PARTS FOR SHOULDER JOINT



washer

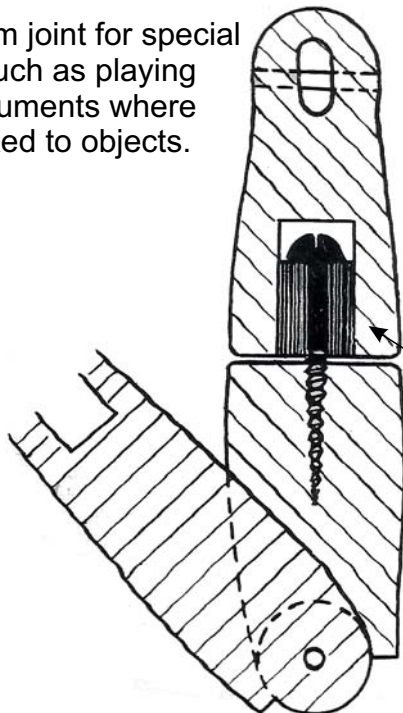
nut

3/8" dowel

wire
link

pin

Extra Mid Arm joint for special movement such as playing musical instruments where hands are fixed to objects.

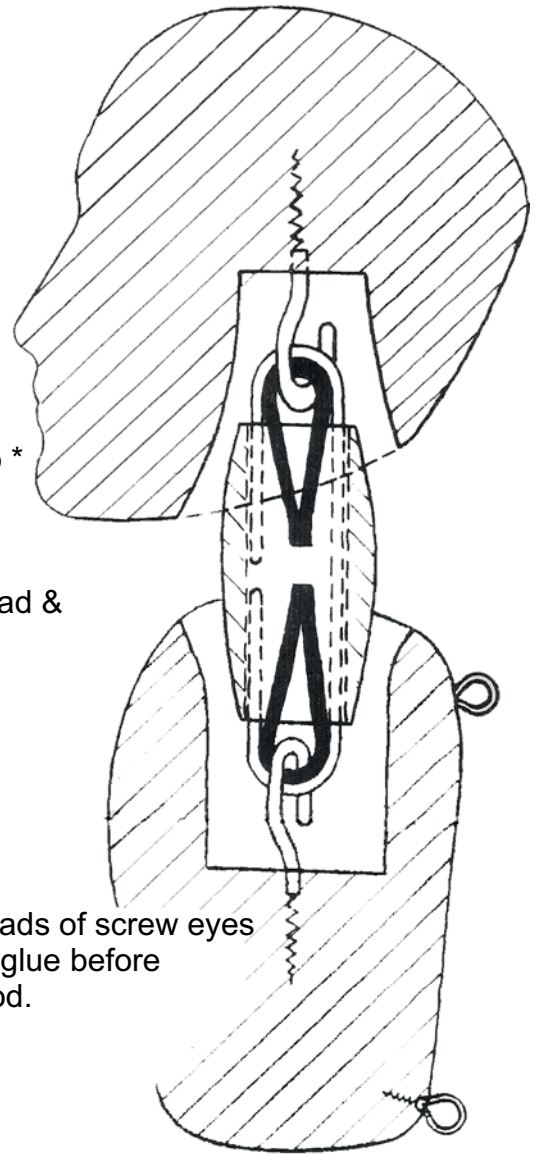


25mm screw & 9mm dowel plug

NECK
ATTACHMENT

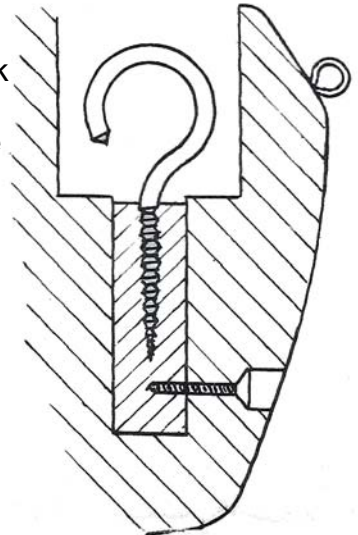


The neck is drilled right through. One piece of wire is bent into a long loop * and pushed through with leather loops at each end. Screw hooks screw into head & body

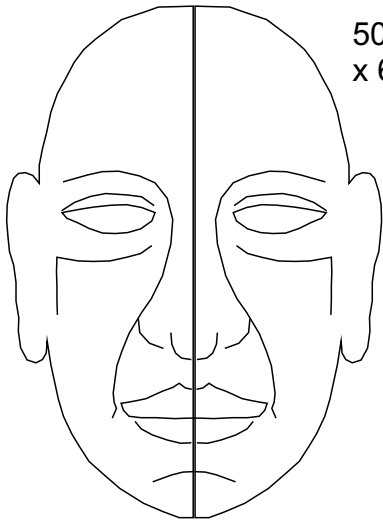


For security the threads of screw eyes should be dipped in glue before settling home in wood.

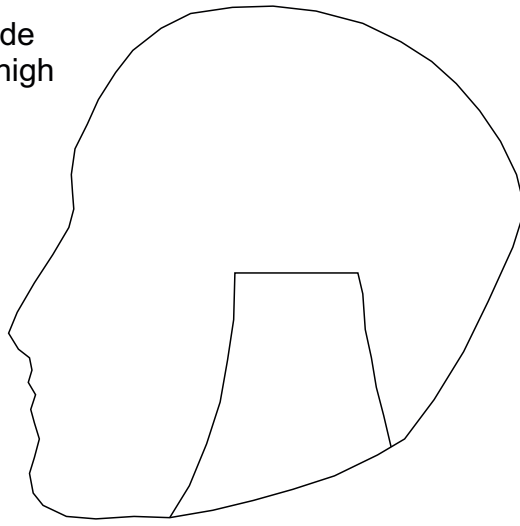
The main hook for the neck can be screwed into 3/8" dowel which fits into a hole in the body. Secure with glue or by screw through the back



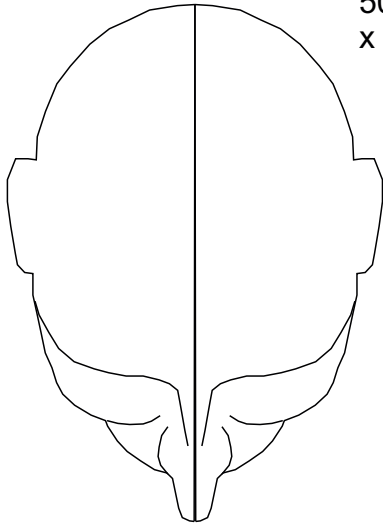
HEAD



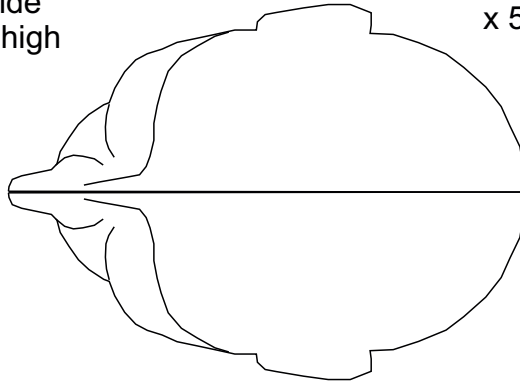
50mm wide
x 68mm high



69mm wide
x 67mm high

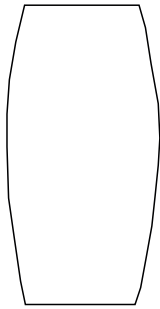


50mm wide
x 69mm high



69mm wide
x 50mm high

NECK



20mm wide x 40mm high

Strings to control head should be above point of suspension of neck inside head.

Shoulder strings attached here on back

Hand String

Small gap to allow movement

Staple to hold hip wire

Back string attached at back of upper body for normal bow

Holes drilled in hands for strings

Leg strings attached to Upper knees

Hands should be jointed to hang with palms toward legs when hanging straight with a possible twist of 180 degrees either way.

