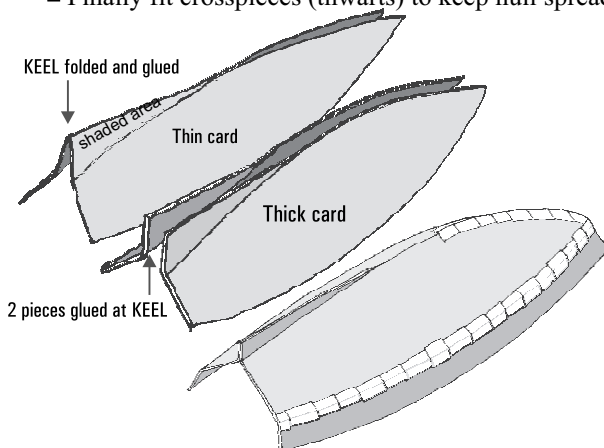


This is probably the easiest way to build a simple hull from card while retaining the character of a small boat's shape. In the days of plywood boat building, this way of producing a hull was common. It's called a hard chine hull.

- This version can be made from an A5 sheet of card. For a first attempt copy card is best. Once you have got some experience you can probably manage with a thicker card.
- Copy the drawings onto the card. This could be done in a variety of ways:
  - With a photocopier
  - Tracing paper
  - Pricking through with a compass point.
  - Carbon paper
- Score all folding lines, (all the tabs), along the centre line. Score the lines around the grey shaded area of the keel.
- Fold the bottom section along the centre line then put glue ONLY on the shaded triangles, pressing them together. With the two halves held face to face, fold over and glue the tabs marked X. You should now be able to open out the form to find that a very shallow boat shape has been produced.
- Join the two side pieces at the stem using the stem tab.
- Put glue on the inside of the tabs and carefully glue them to the edge of the bottom section. You can glue one tab at a time if you wish. Work your way down one side, and then the other. If all the ends don't match up solve the problem with scissors!
- Fit transom in stern.

You can arrange the tabs inside the boat or outside. The easiest way is to keep them on the outside, although you will get a much neater finish if you can tuck them inside.

- Finally fit crosspieces (thwarts) to keep hull spread.



If using thick card, cut off tabs and assemble using masking tape 'stitches' on the outside. Then glue in separate tabs inside the hull and remove masking tape when the glue is dry.

The boat is not, of course, waterproof. This can be remedied by applying multiple coats of emulsion paint, (or a few coats of spirit based paint or varnish). Another way is to glue (with PVA) one piece of cling film all over the hull. It will be very wrinkly - but waterproof. The PVA won't bond with the plastic sheet but it will keep it in place.

