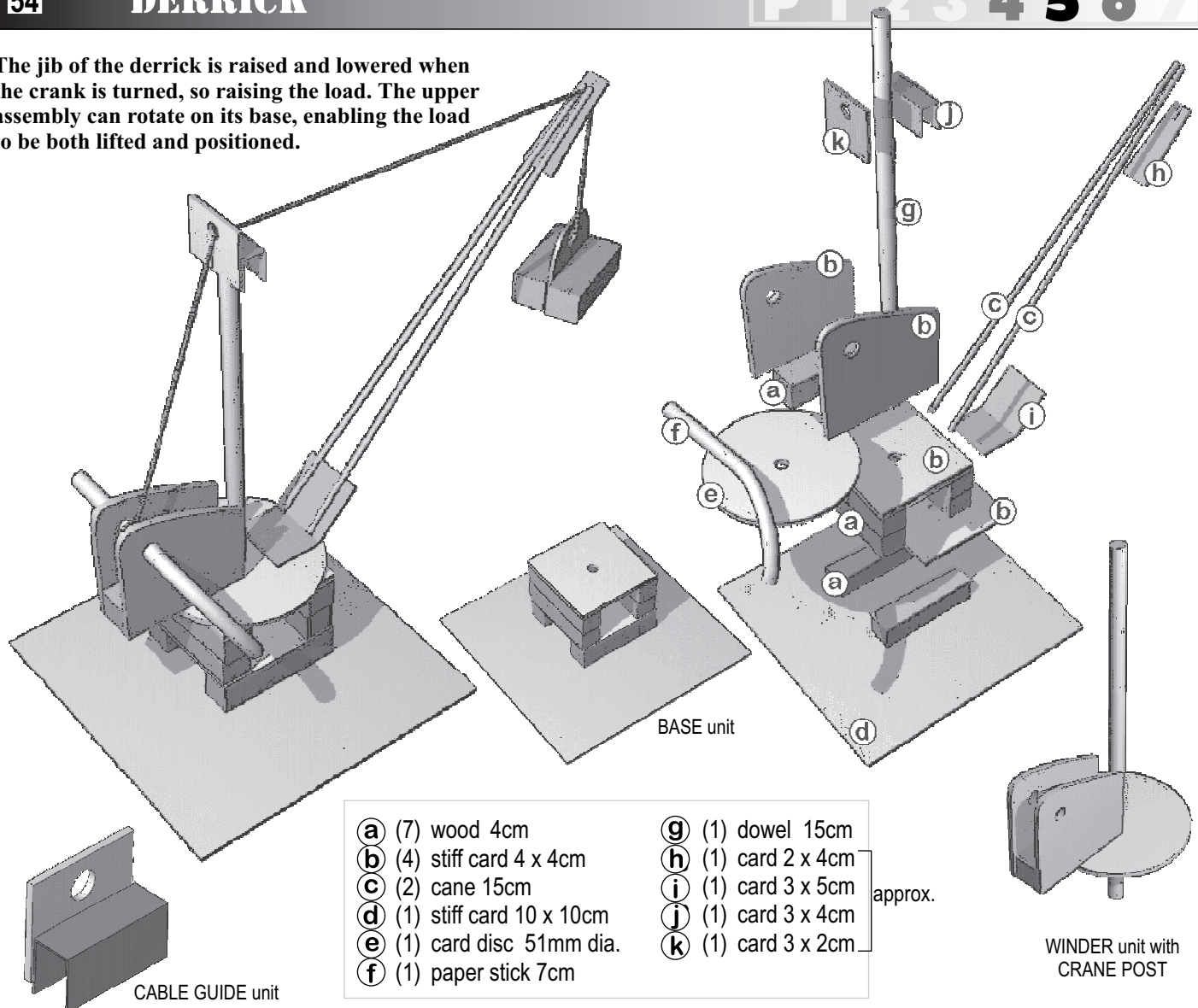


The jib of the derrick is raised and lowered when the crank is turned, so raising the load. The upper assembly can rotate on its base, enabling the load to be both lifted and positioned.



- Build each unit. The **BASE** unit consists of two card squares (b) and six pieces of wood. Both card squares are punched in the centre (5mm holes). Glue these together as shown and glue to base card. Put the paper stick CRANE POST through the holes while gluing and remove the stick once the cards are positioned correctly.
- The **WINDER** unit is made up from one piece of wood and two squares of card. These cards are punched (5mm) near one corner. Note that the cards illustrated have been shaped. This is only for appearance - you may leave them square if you wish. Put the crank in place while gluing - but remove before the glue takes hold.. Mount this unit onto the card disc. Do not cover the hole. (Pushing the crane post in the hole will prevent this).
- The **JIB** unit is made from the two pieces of cane, (kebab skewer?), and two pieces of card. Fold the bottom card before you assemble the unit. Leave to dry.
- The **CABLE GUIDE** is made from two scraps of card. One folded like a square U and the other punched (5mm).

ASSEMBLY

- Glue the jib to the card disc opposite the winder unit. Glue the cable guide to the top of the crane post.
- Push the crane post into the holes in the base, then slide the winder unit down the post.
- Glue the cable guide to top of the post and make a small slit in the top card of the jib.
- Push the crank handle through its holes and attach the thread. Fasten one end of the thread to the crank, pass the thread through the cable guide and through the slit at the top of the jib. Wind the thread round the jib top once and put the thread in the slit a second time. Adjust the thread length and fasten the paper clip hook to the end.
- When you wind up the thread it should lift the jib, which in turn lifts the hook and load. You may need to make adjustments.

