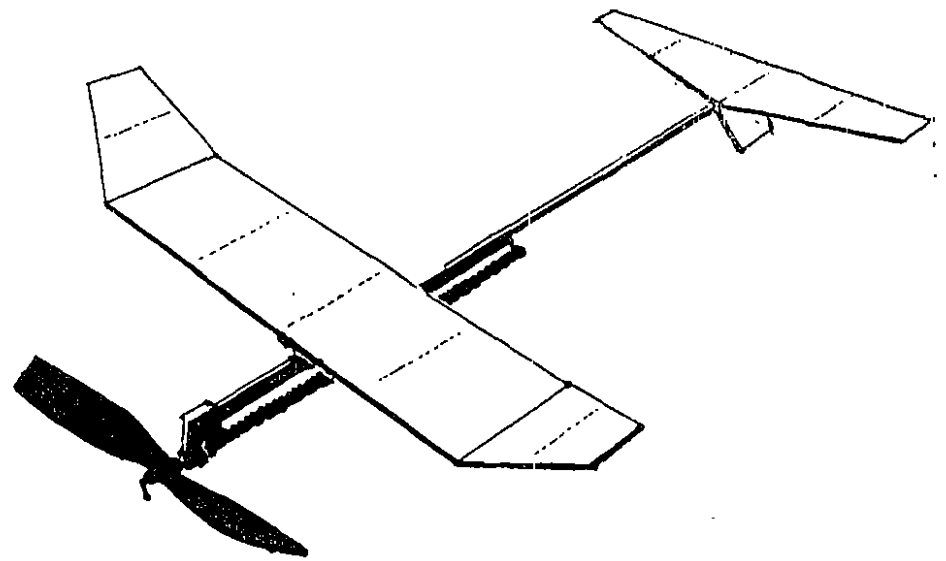


Gyminnie Cricket



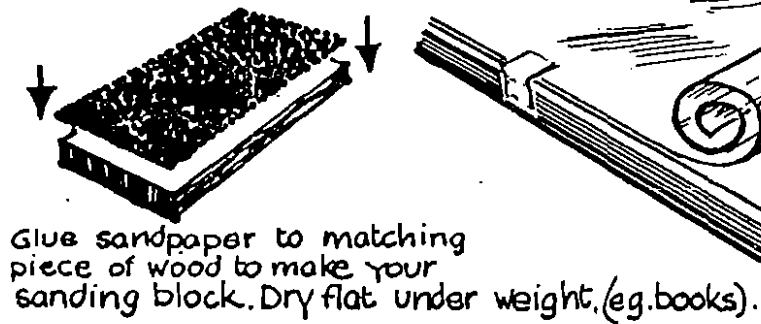
A P15 CLASS RUBBER POWERED MODEL AIRCRAFT
THIS IS A GOOD FOLLOW ON MODEL TO THE BMFA DART
IT CAN BE FLOWN IN A GYMNASIUM, SPORTS HALL OR
OUTSIDE ON A VERY CALM DAY.

THIS MODEL IS PART OF THE BRITISH MODEL FLYING
ASSOCIATION'S EDUCATION PROGRAMME.

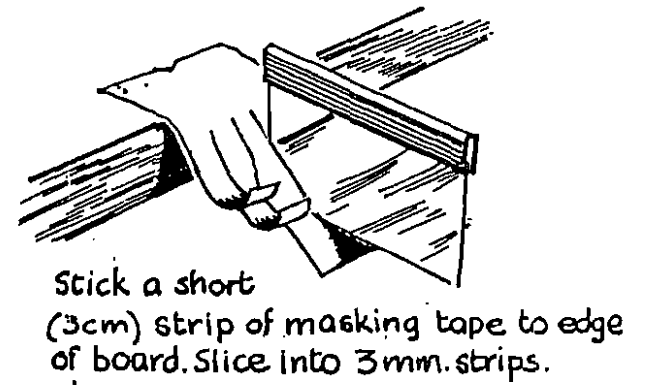


PREPARATION

Assemble these extras before you begin. A flat, rigid surface about 45cms x 30cms, a sheet of thin, clear plastic, a roll of masking tape, a small bottle of white woodworking glue, a stiff-backed razor-blade or craft knife, a small piece of fine sandpaper, a matching piece of wood, a few pins, scrap card, a small brush and oddments of wood.

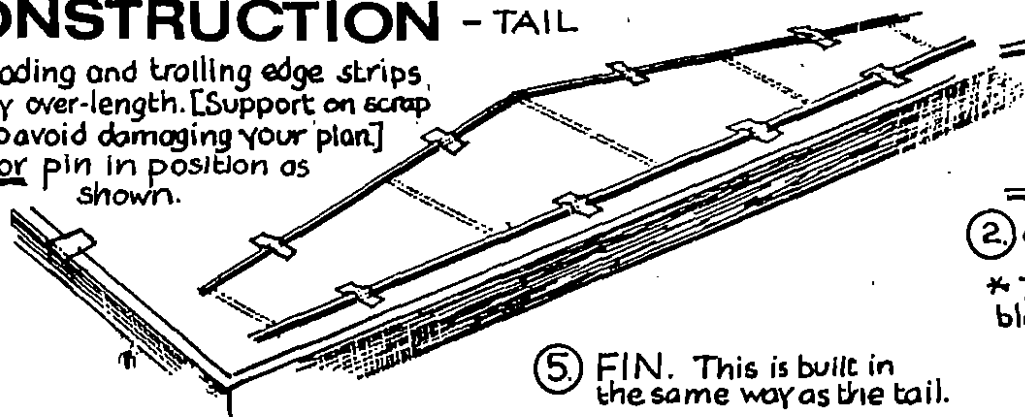


Tape plan to flat surface. Cover plan with the plastic sheet: tape down.



CONSTRUCTION - TAIL

1. Cut leading and trailing edge strips, slightly over-length. [Support on scrap card to avoid damaging your plan] Tape or pin in position as shown.



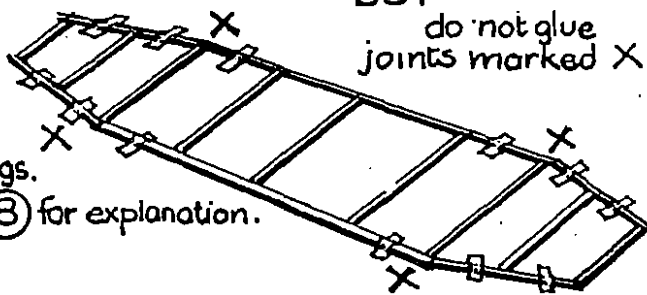
2. Cut short sections ('ribs') to fit.
* TIP. Cut fractionally too long: use sanding-block to get accurately fitting joints. *

3. Glue ribs in place. Leave to dry at least 2 hours. - then
4. Trim oversize ends. Gently peel off tape strips. Ease framework loose by carefully sliding strip of card between wood & plastic.

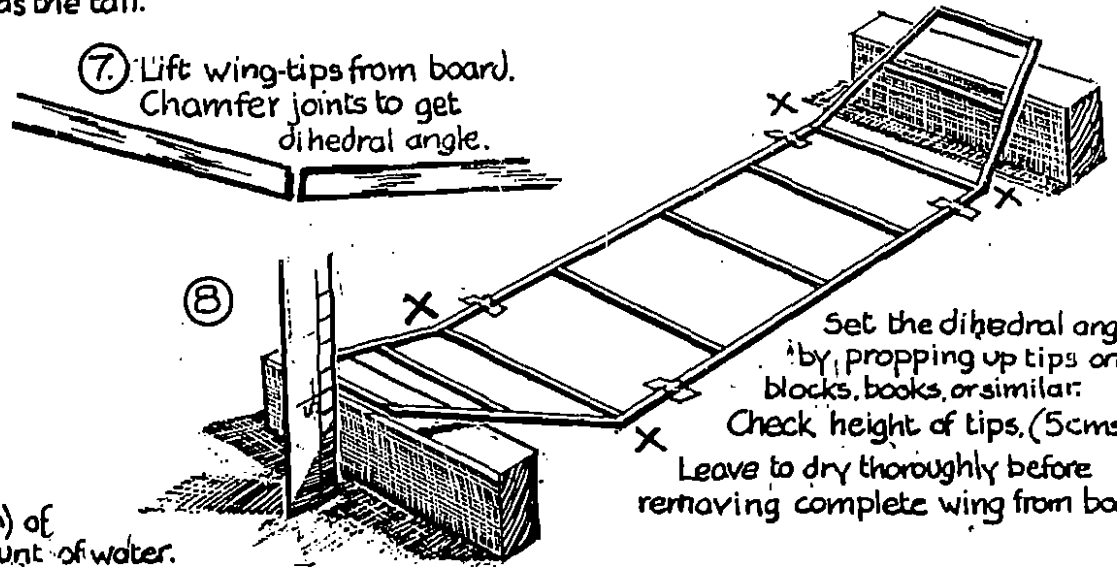
5. FIN. This is built in the same way as the tail.

6. WING: This is almost the same as the TAIL and FIN, BUT do not glue joints marked X yet.

Study figs. 7 & 8 for explanation.



7. Lift wing-tips from board. Chamfer joints to get dihedral angle.



8. Set the dihedral angle by propping up tips on blocks, books, or similar. Check height of tips, (5cms) Leave to dry thoroughly before removing complete wing from board.

COVERING

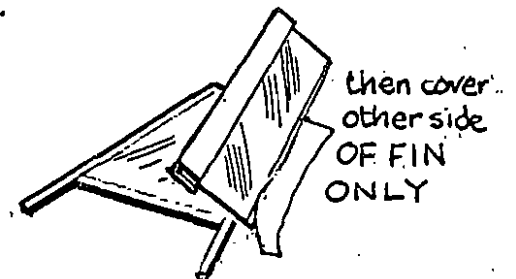
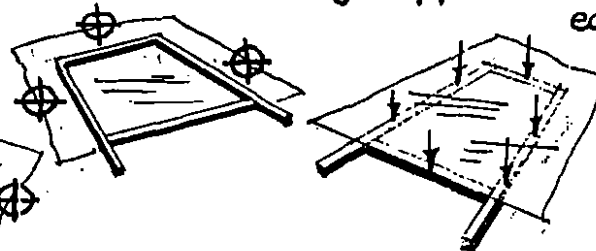
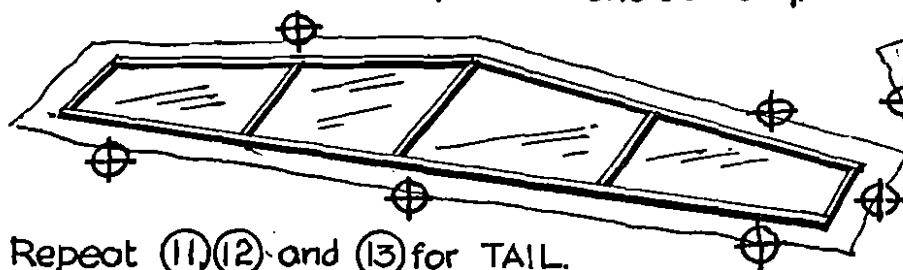
9. Mix a small (eg. half-teaspoon) of white glue with an equal amount of water.

10. Cut tissue for TAIL and Fin, allowing margins of about 1.5cm. where diagrams indicate ⊕.

11. Beginning with the fin, brush on a thin layer of the glue mix on one side only.

12. Position paper on glued side of fin, and gently press down to frame edges.

13. Trim with blade or sanding block when dry.

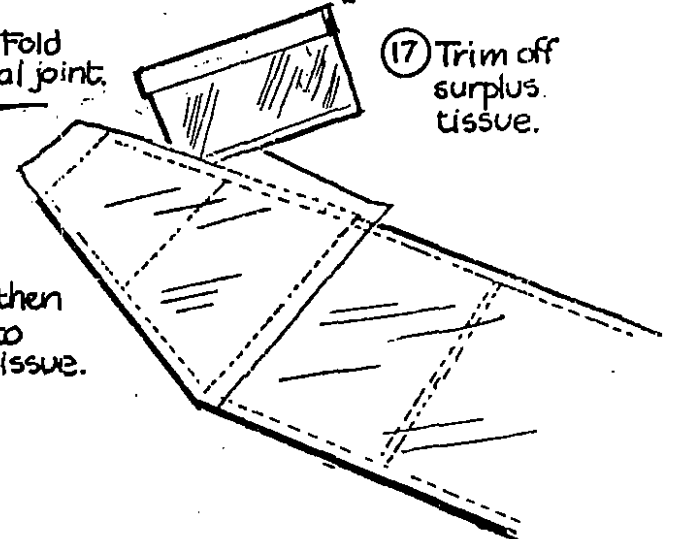
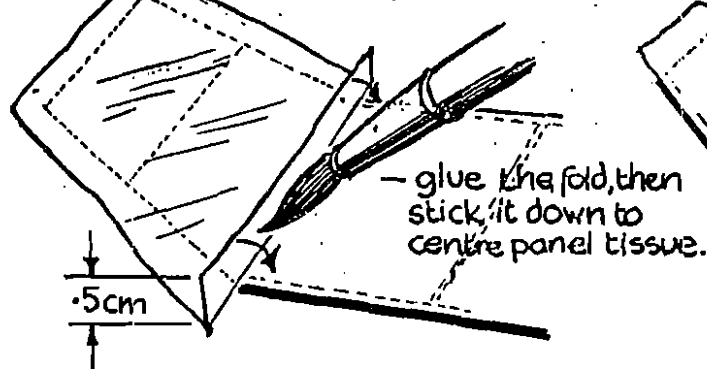
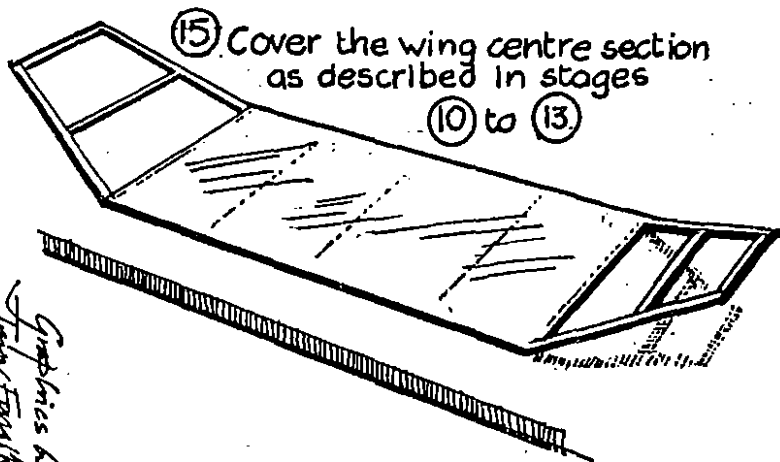


14. Repeat 11, 12 and 13 for TAIL.

15. Cover the wing centre section as described in stages 10 to 13

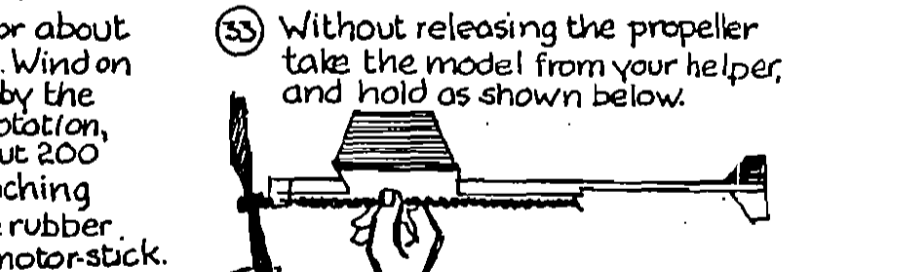
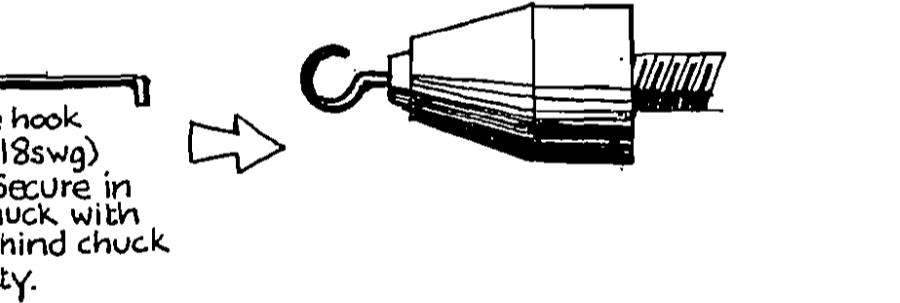
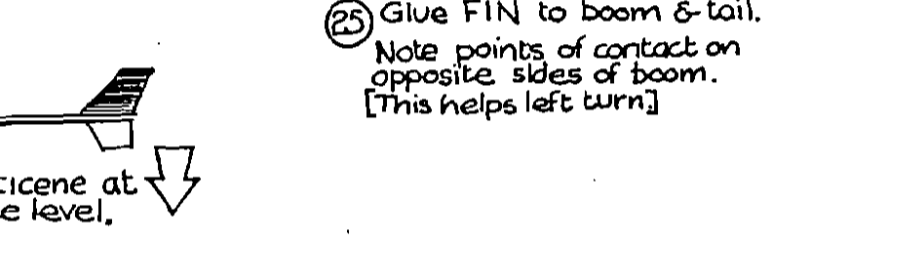
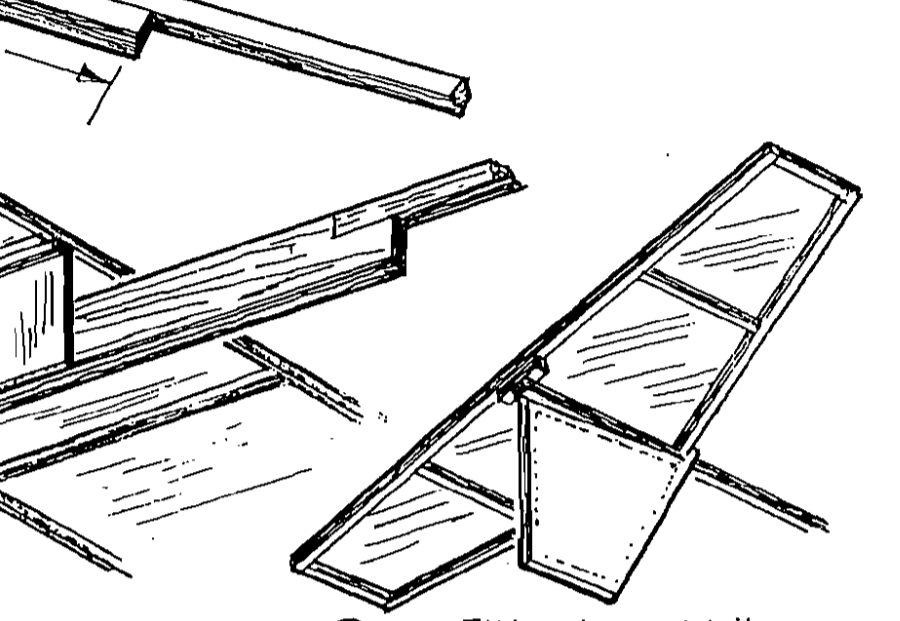
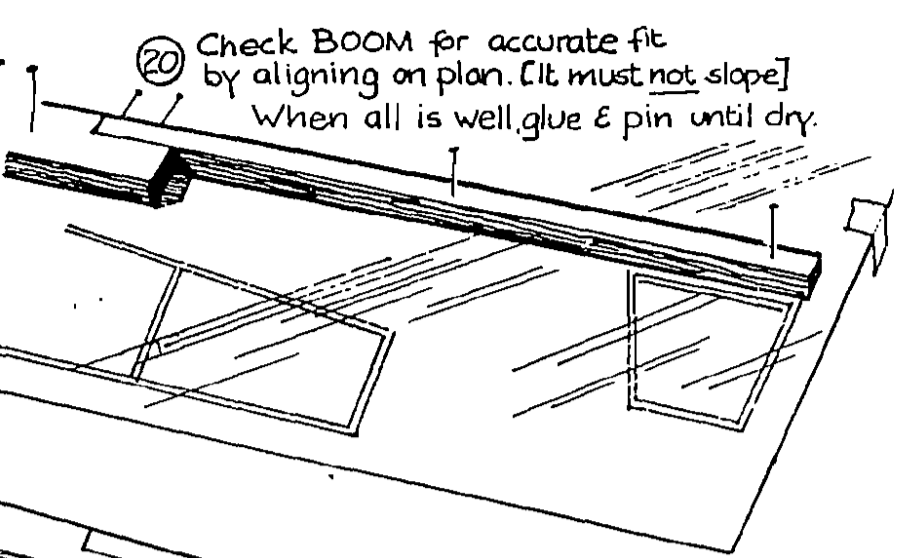
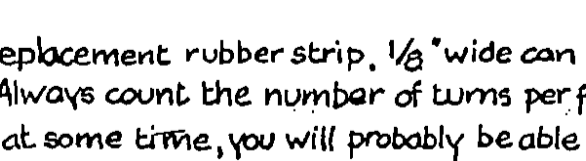
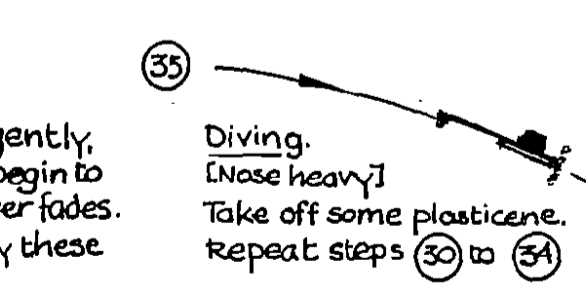
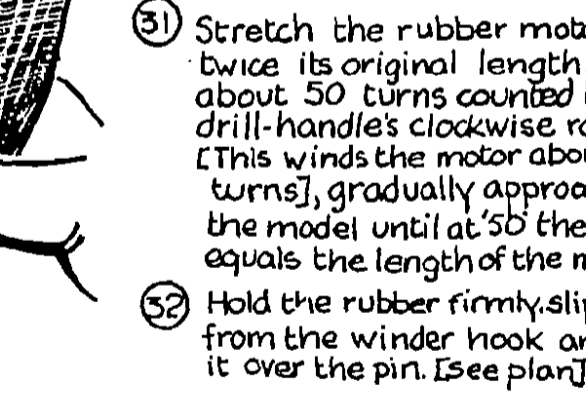
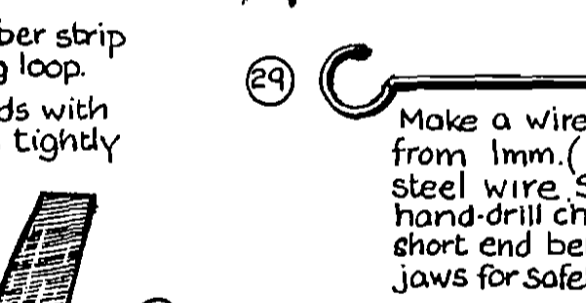
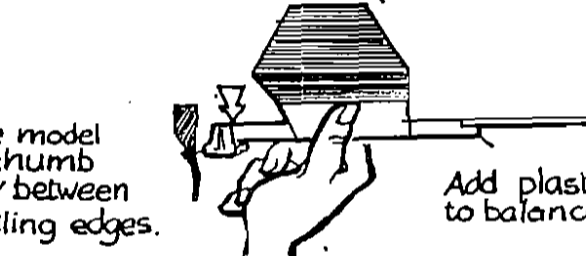
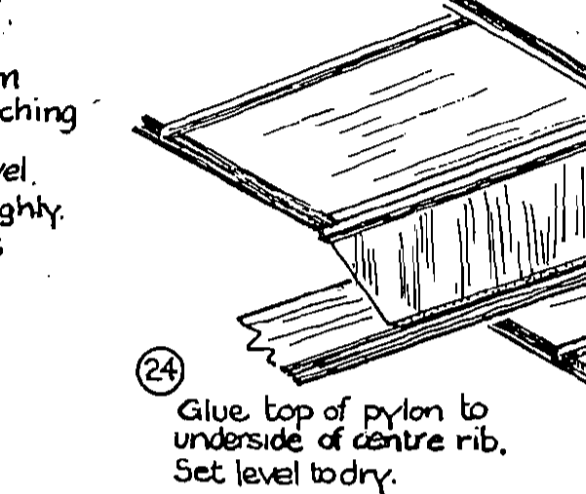
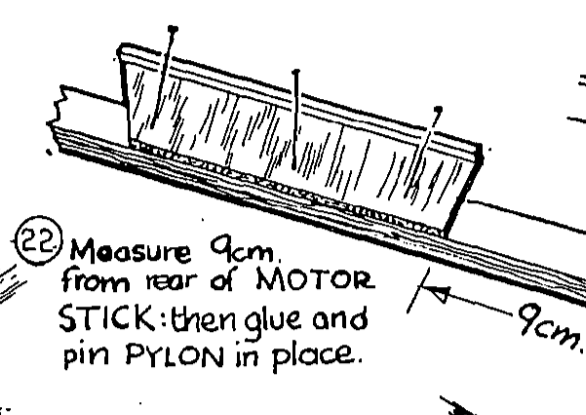
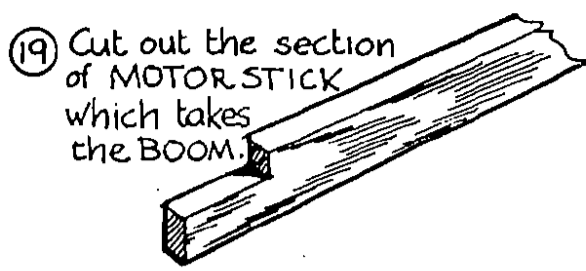
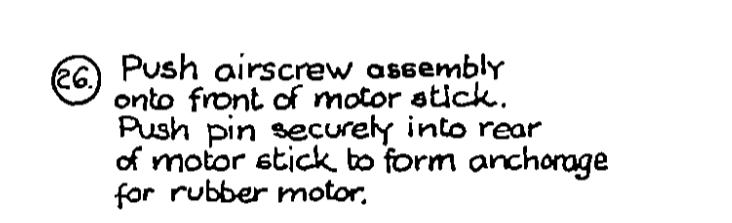
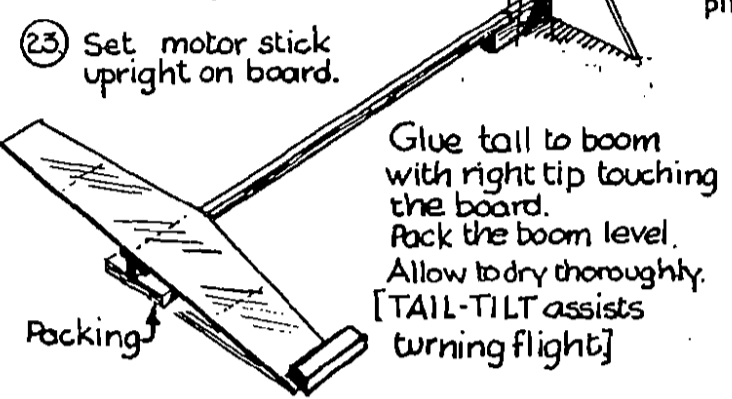
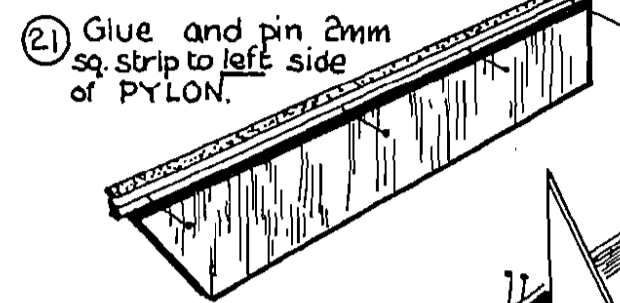
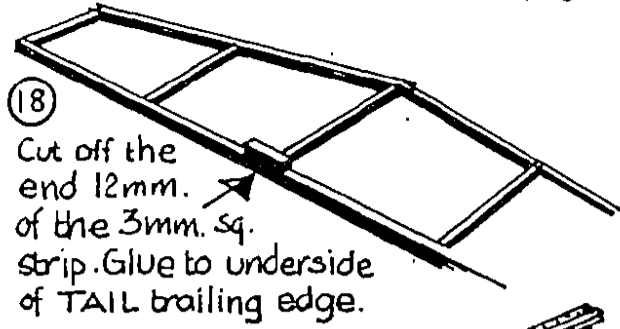
16. Cut oversize panels of tissue for tips. Fold back .5cm. approx. at dihedral joint. Glue frame, attach tissue.

17. Trim off surplus tissue.

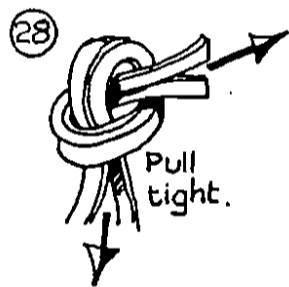


ASSEMBLY

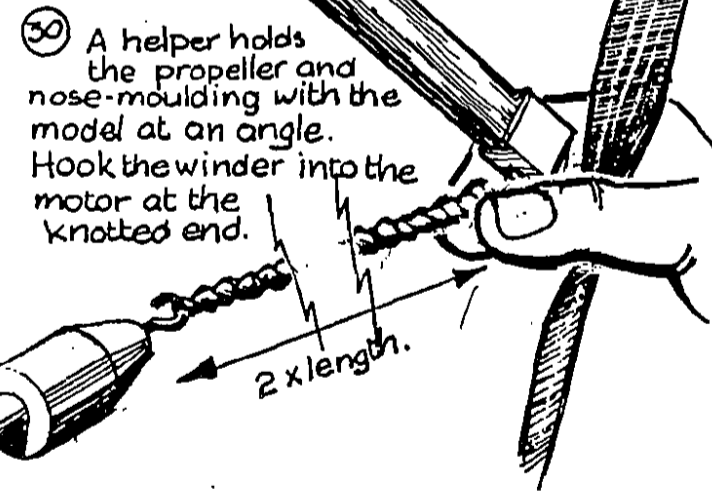
In order to fly correctly, the model must be 'rigged' accurately. (Rigging is the process of arranging all flying-surfaces. (wing, tail and fin) in the positions shown on the plan.



FLYING



Knot the rubber strip to form a long loop. Tie loose ends with soft string as tightly as possible.



34 Launch (don't throw) the model gently, 'sliding' it into level flight. It should begin to turn LEFT before sinking as the power fades. Look for any faults (see 35); remedy these before increasing turns, 10 at a time.

36 No rubber motor lasts for ever! Replacement rubber strip, 1/8" wide can be bought at good hobby/model shops. Motors can be repaired, (see 28). Always count the number of turns per flight.

37 If your model sustains damage at some time, you will probably be able to repair it. Never attempt to fly a damaged model.

IF YOU FOUND THIS MODEL **FUN** TO BUILD AND FLY, WHY NOT FIND OUT MORE ABOUT THE MOST POPULAR AIR SPORT OF MODEL FLYING, BY FILLING IN THE FORM OPPOSITE, YOU CAN ALSO FIND OUT ABOUT **AERO** THE AEROSPACE EDUCATION ORGANISATION

If you wish to know more about:-

- The BMFA Education programme
- British Model Flying Association membership
- AERO information or membership

Fill in this form and send to:-

BRITISH MODEL FLYING ASSOCIATION
31 St. Andrew's Road,
Leicester, LE2 8RE
Tel: 0116 244 0028 Fax: 0116 244 0645

Tick Box if required

Date of Birth if under 18 years:

NAME AND ADDRESS (Block letters please)

Name:

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Postcode: Tel. No: