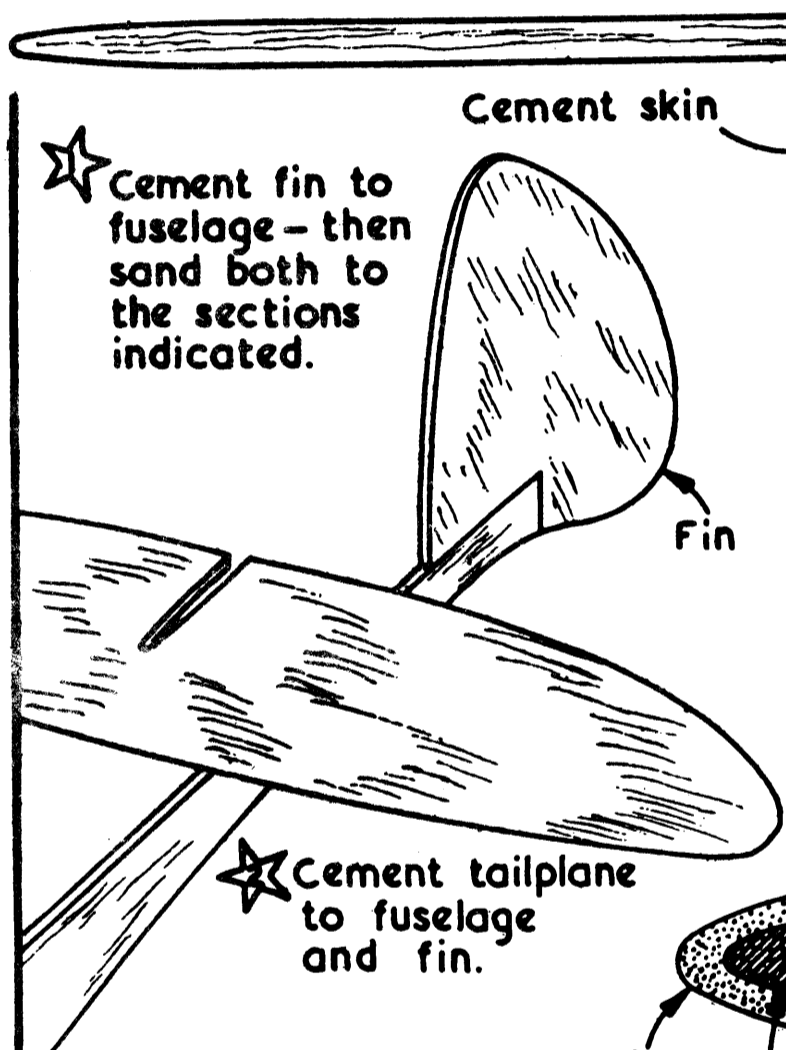


KIT KRAFT

Polaris
 20" SPAN
 CHUCK GLIDER

Wing Section at Root

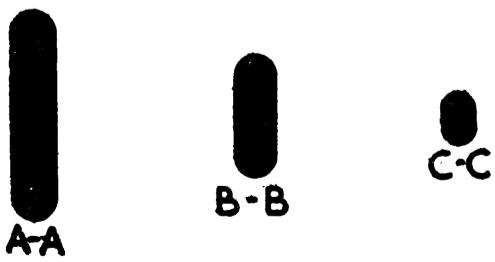


★ Cement fin to fuselage - then sand both to the sections indicated.

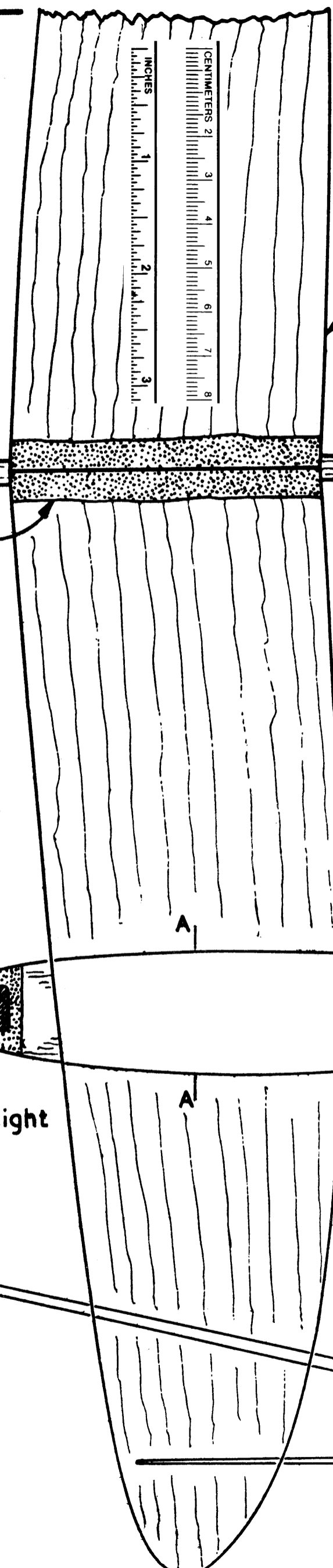
★ Cement tailplane to fuselage and fin.

Cement skin
 Lead weight

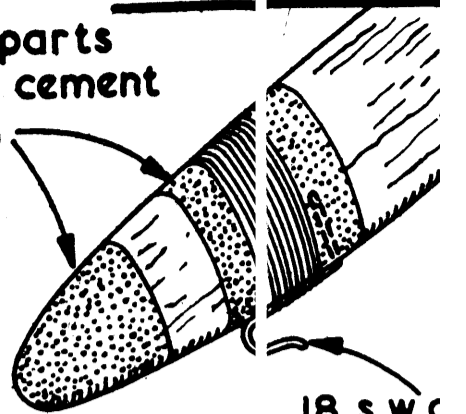
Sand down wing at tip



Fuselage sections



Dotted parts indicate cement skin



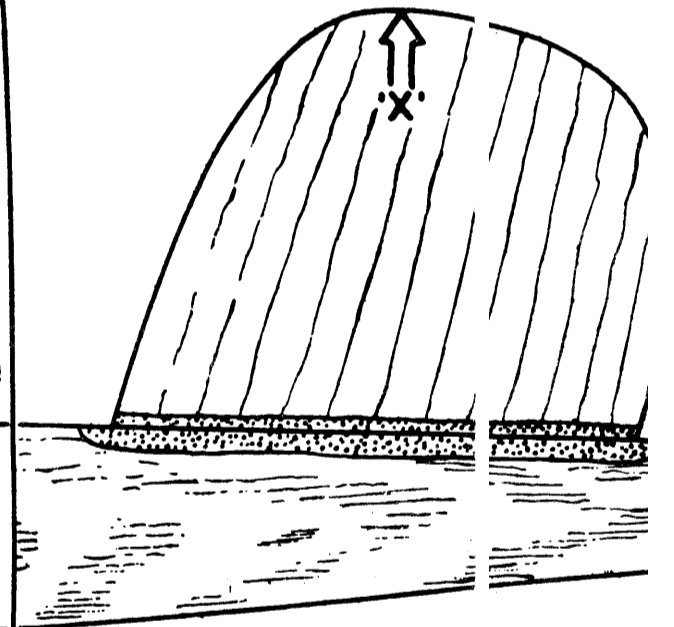
18 s.w.g bound and to fus

1/8 sheet Wings

Fuselage cut from 1/4 thick or 1/8 thick hardwood.

PLAN VIEW

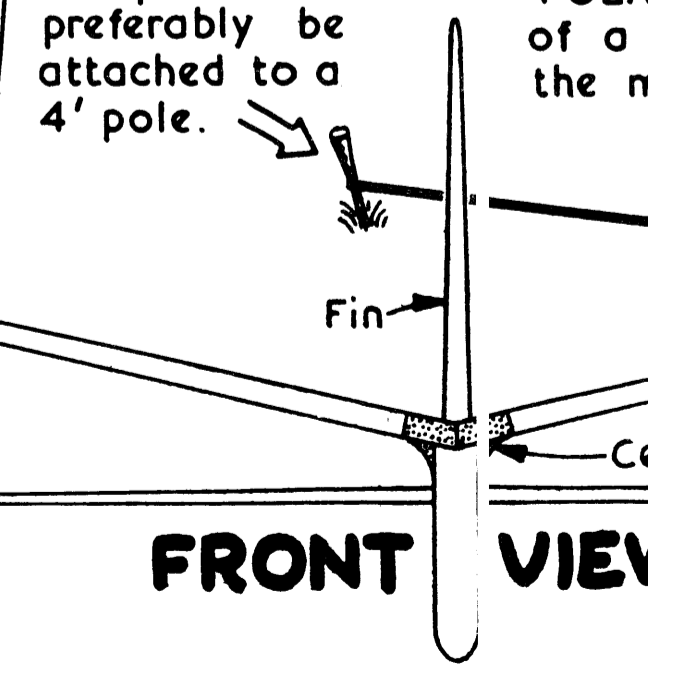
When assembled add weight the nose until the model level when held by the wing at 'X'. Vary this weight until correct flying trim is obtained.

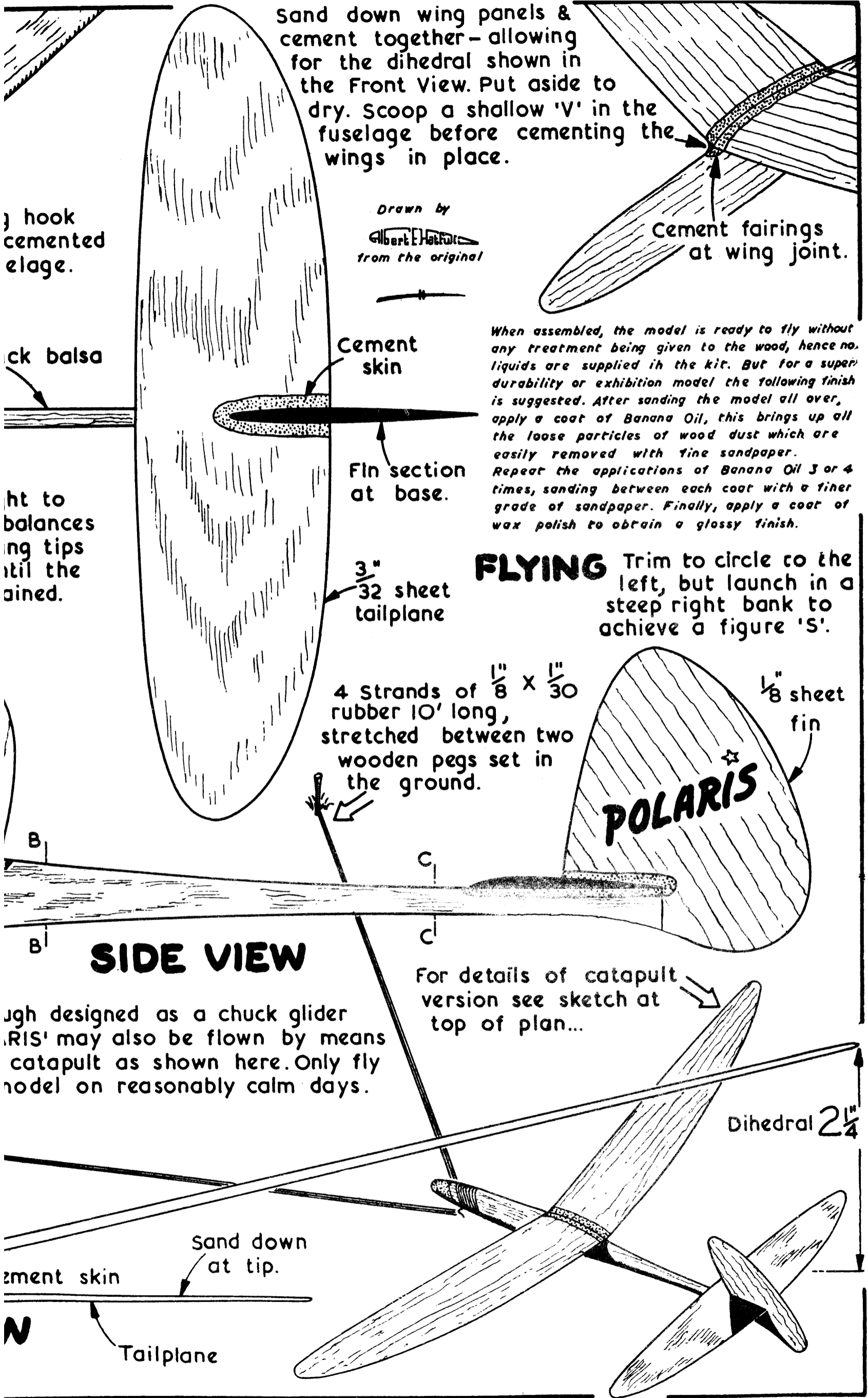


Left hand end of catapult should preferably be attached to a 4' pole.

Although 'POLA' of a the n

FRONT VIEW





Sand down wing panels & cement together - allowing for the dihedral shown in the Front View. Put aside to dry. Scoop a shallow 'V' in the fuselage before cementing the wings in place.

Drawn by
 Albert E. Hatfield
 from the original

Cement fairings at wing joint.

When assembled, the model is ready to fly without any treatment being given to the wood, hence no liquids are supplied in the kit. But for a super durability or exhibition model the following finish is suggested. After sanding the model all over, apply a coat of Banana Oil, this brings up all the loose particles of wood dust which are easily removed with fine sandpaper. Repeat the applications of Banana Oil 3 or 4 times, sanding between each coat with a finer grade of sandpaper. Finally, apply a coat of wax polish to obtain a glossy finish.

FLYING Trim to circle to the left, but launch in a steep right bank to achieve a figure 'S'.

hook cemented to fuselage.

hook balsa

Light to balance wing tips until the model is balanced.

Cement skin

Fin section at base.

3/32 sheet tailplane

4 strands of 1/8 x 1/30 rubber 10' long, stretched between two wooden pegs set in the ground.

1/8 sheet fin

SIDE VIEW

Model designed as a chuck glider. 'POLARIS' may also be flown by means of catapult as shown here. Only fly model on reasonably calm days.

For details of catapult version see sketch at top of plan...

Dihedral 2 1/4

Sand down at tip.

Cement skin

Tailplane

POLARIS