

THE SATYR RACER

THE 'HORSE-POWER' UNDER
THE BONNET IS RUBBER!—
BUT SATYR GOES!



TO OWN and drive a racing car is beyond the means of most of us and certainly almost all the entries in the big Grand Prix events are backed up by the factory that builds the car, so that the driver himself is just one member of a big team of experts and only rarely does the car belong to him. With the model described here the matter of expense is soon dispensed with, as, being rubber-driven, this fast, fascinating little model is just about the cheapest car to run in the whole book. So if you are looking for inexpensive thrills and fun, the *Satyr* is just the thing for you.

Join two pieces of 3" wide $\frac{3}{32}$ " thick sheet together, and trace on to it the chassis, or base shape. Cut out the base and also the body bulkheads B1, B2, B3, B4, B5. Cement the bulkheads firmly to the base. Use a set-square to check that they are upright. Cut out front and rear axle cover pieces, and cut a groove in each piece. Cut the axles from 18 S.W.G. wire, and lay the axles in the grooves. Then cement the axle cover pieces, complete with axles, in the correct position beneath the body. Add the side pieces of $\frac{1}{16}$ " sheet (hold with modelling pins until set).

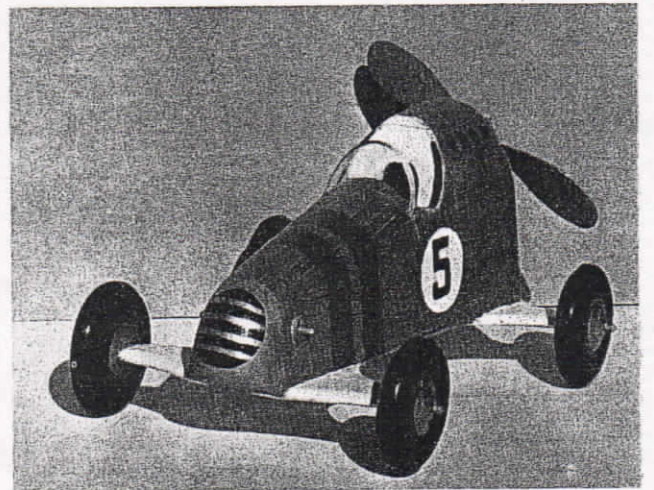
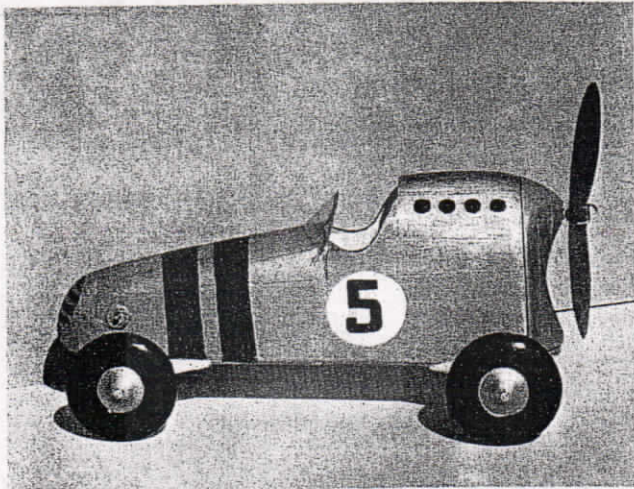
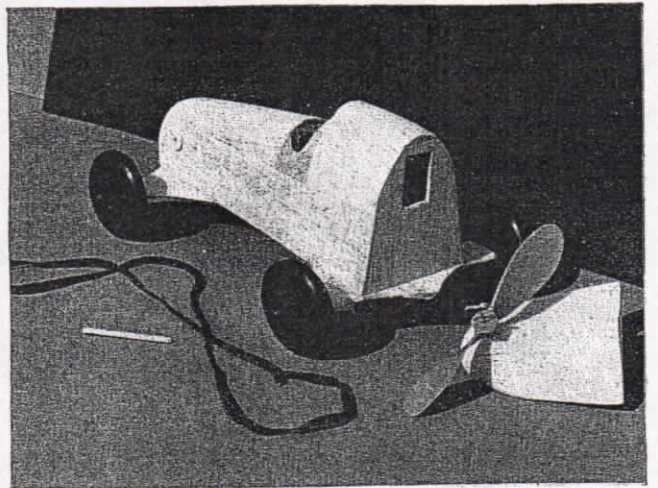
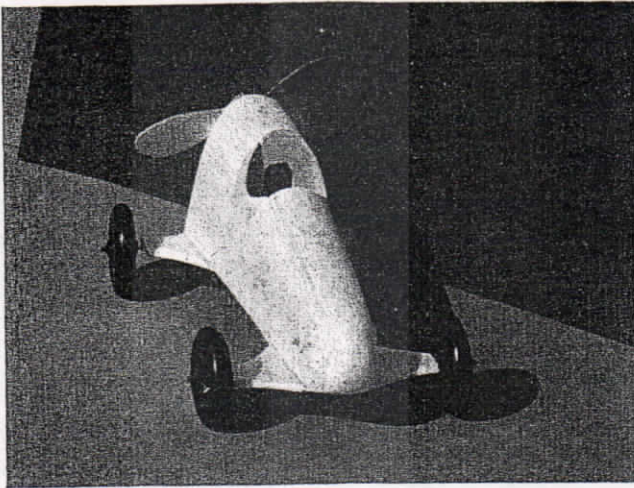
Cover the bonnet with a piece of soft $\frac{1}{16}$ " sheet that has been lightly scored with a knife (*not* cut through) and strengthened on the back with two strips of Sellotape. This piece will now bend but not split. Add block B and the radiator block. Make the detachable rear block from the three pieces shown. Add the spigot, drill a hole and insert an 18 S.W.G. brass bush. Carve and sandpaper the block to its final shape. Add the line guides (from thin wire) to the under surface of the car. Cut a windshield

from thin transparent celluloid and cement in place. Bend a hook on a 4" (approx.) length of 18 S.W.G. wire and insert it into the brass bush, from the *rear*. Put on a cup washer.

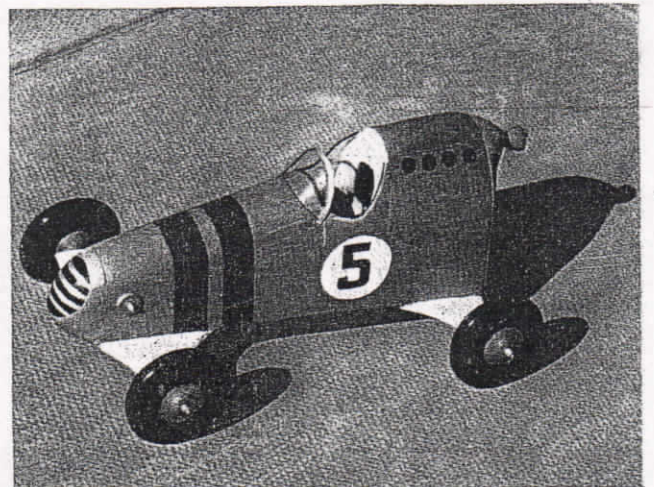
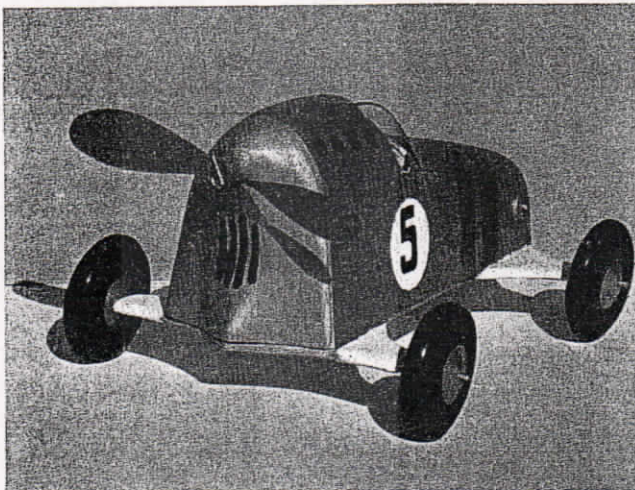
Buy a 5" diameter plastic propeller from your model shop. You must cut off or file away the front part of the propeller's spinner before slipping it on to the driving shaft. (Remember that the propeller is mounted with the *front* facing the block.) Then form a winding hook on the end of the shaft. This completes your propeller assembly. Drill the hole for the rubber motor retaining dowel and reinforce the holes with pieces Z. Insert a small length of dowel. Sandpaper round all edges and then give two coats of clear dope, lightly sandpapering between coats. Decorate your model with plastic enamel, but do not use too much; in this way you will keep your model as light as possible.

Make up a loop of $\frac{3}{16}$ " flat rubber strip 12" long. Rub on some rubber lubricant (tubes 4d. each). Cut a 12" length of wire and make a small hook at one end. Insert this wire rod through the body of the model with the rubber loop attached to the hooked end and pull the rubber loop through to the front anchoring dowel. Then slip the dowel rod through the loop of rubber, anchoring it at the front end of the car. Slip the other end of the loop on to the hook on the driving shaft. With lubricated rubber 450 turns are about the maximum and these are best wound on by an ordinary hand-drill with a wire hook held in the chuck. The geared drill will speed up your winding.

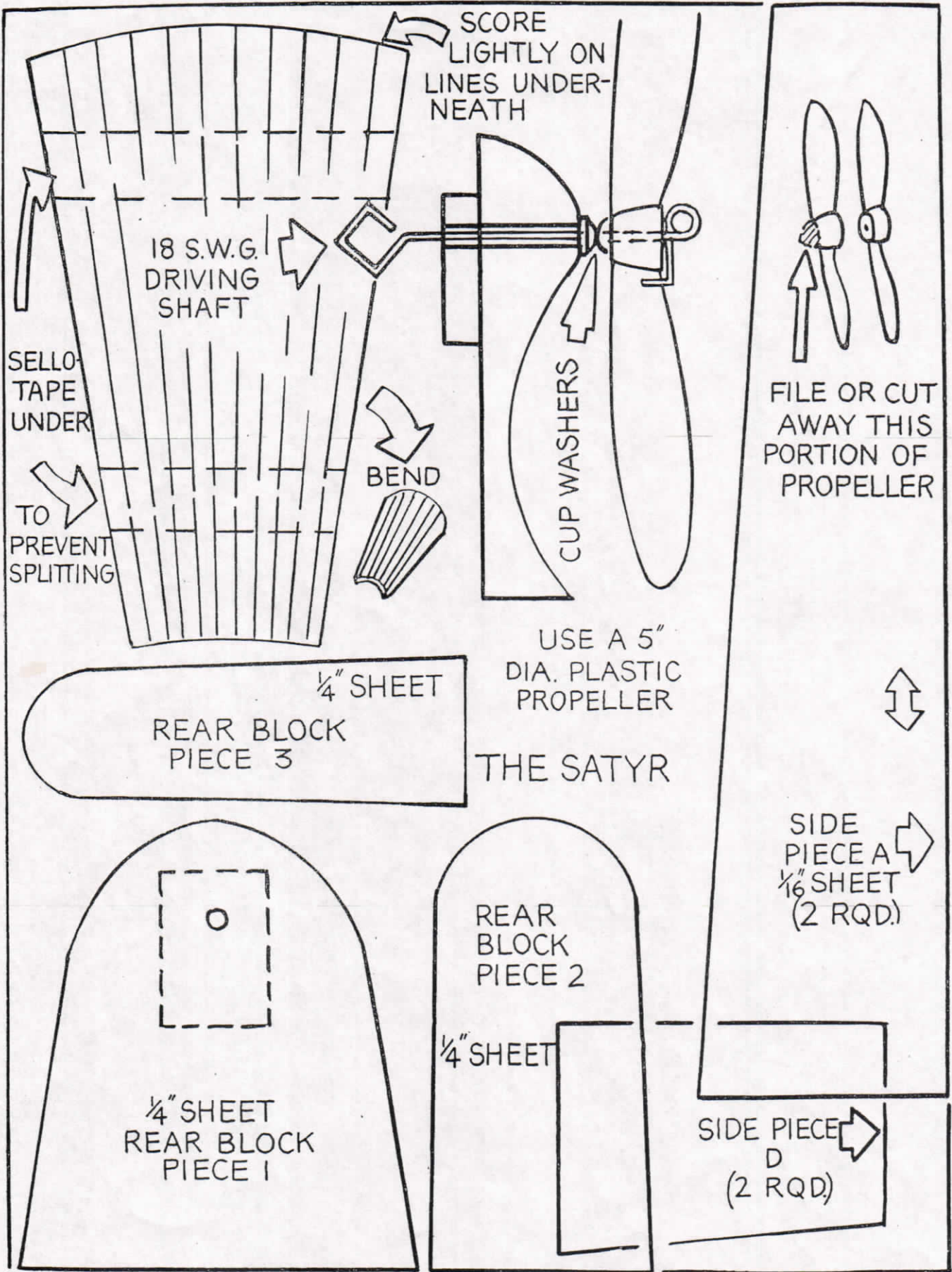
Persuade a friend to build a *Satyr*, too, and have races.

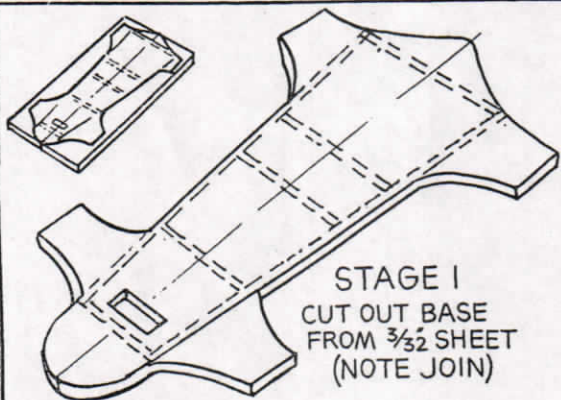


5

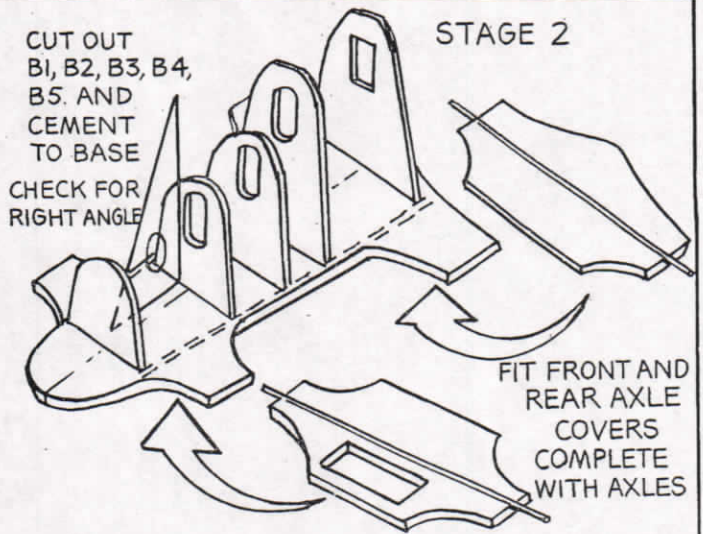


NOT MUCH POCKET MONEY?—THEN BUILD A SATYR NOW AND ENJOY 'ECONOMY MOTORING' RIGHT AWAY





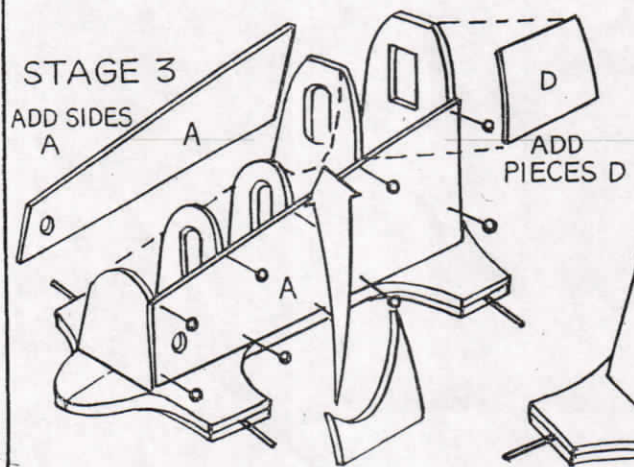
STAGE 1
CUT OUT BASE
FROM 3/32 SHEET
(NOTE JOIN)



CUT OUT
B1, B2, B3, B4,
B5. AND
CEMENT
TO BASE
CHECK FOR
RIGHT ANGLE

STAGE 2

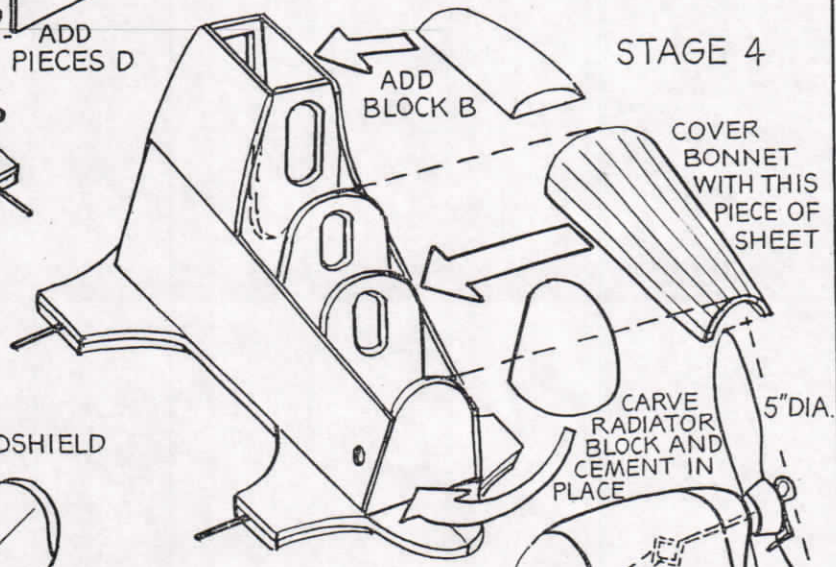
FIT FRONT AND
REAR AXLE
COVERS
COMPLETE
WITH AXLES



STAGE 3

ADD SIDES
A

ADD
PIECES D



STAGE 4

ADD
BLOCK B

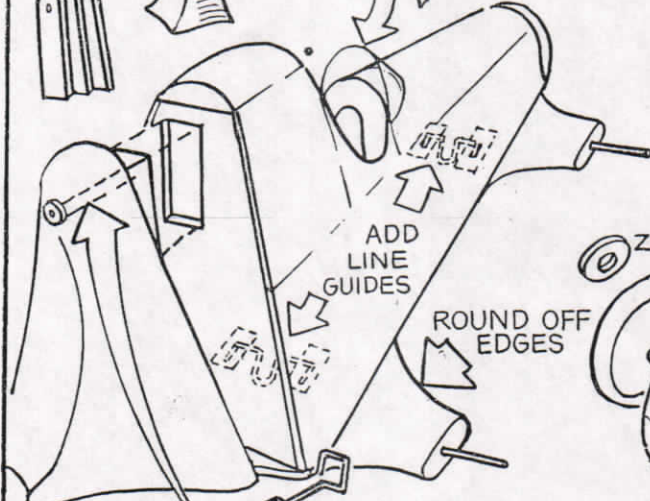
COVER
BONNET
WITH THIS
PIECE OF
SHEET



CARVE
REAR BLOCK

SPIGOT C

WINDSHIELD

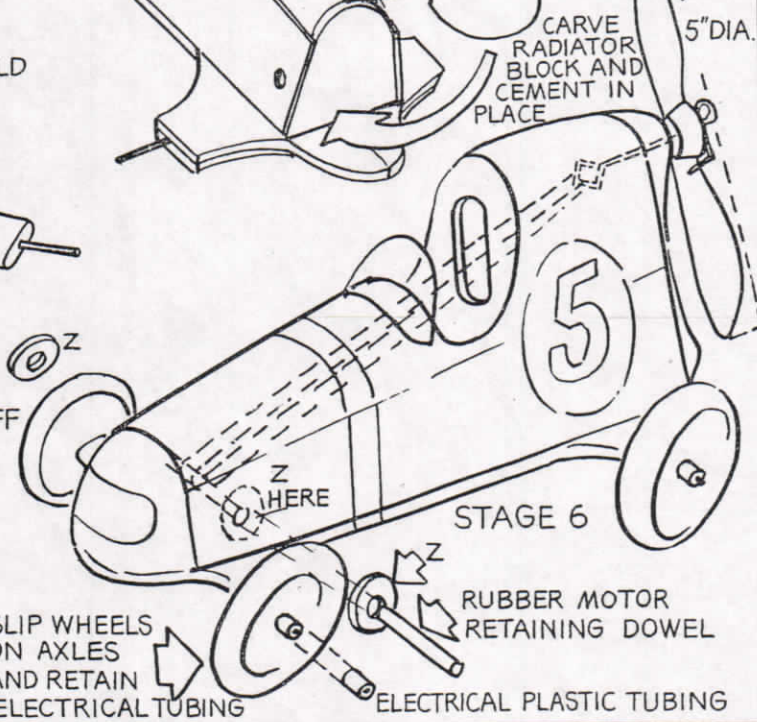


STAGE 5

BUSH
INSERT PROP
DRIVING SHAFT AND FORM HOOK

ADD
LINE
GUIDES

ROUND OFF
EDGES




STAGE 6

SLIP WHEELS
ON AXLES
AND RETAIN
BY ELECTRICAL TUBING

RUBBER MOTOR
RETAINING DOWEL

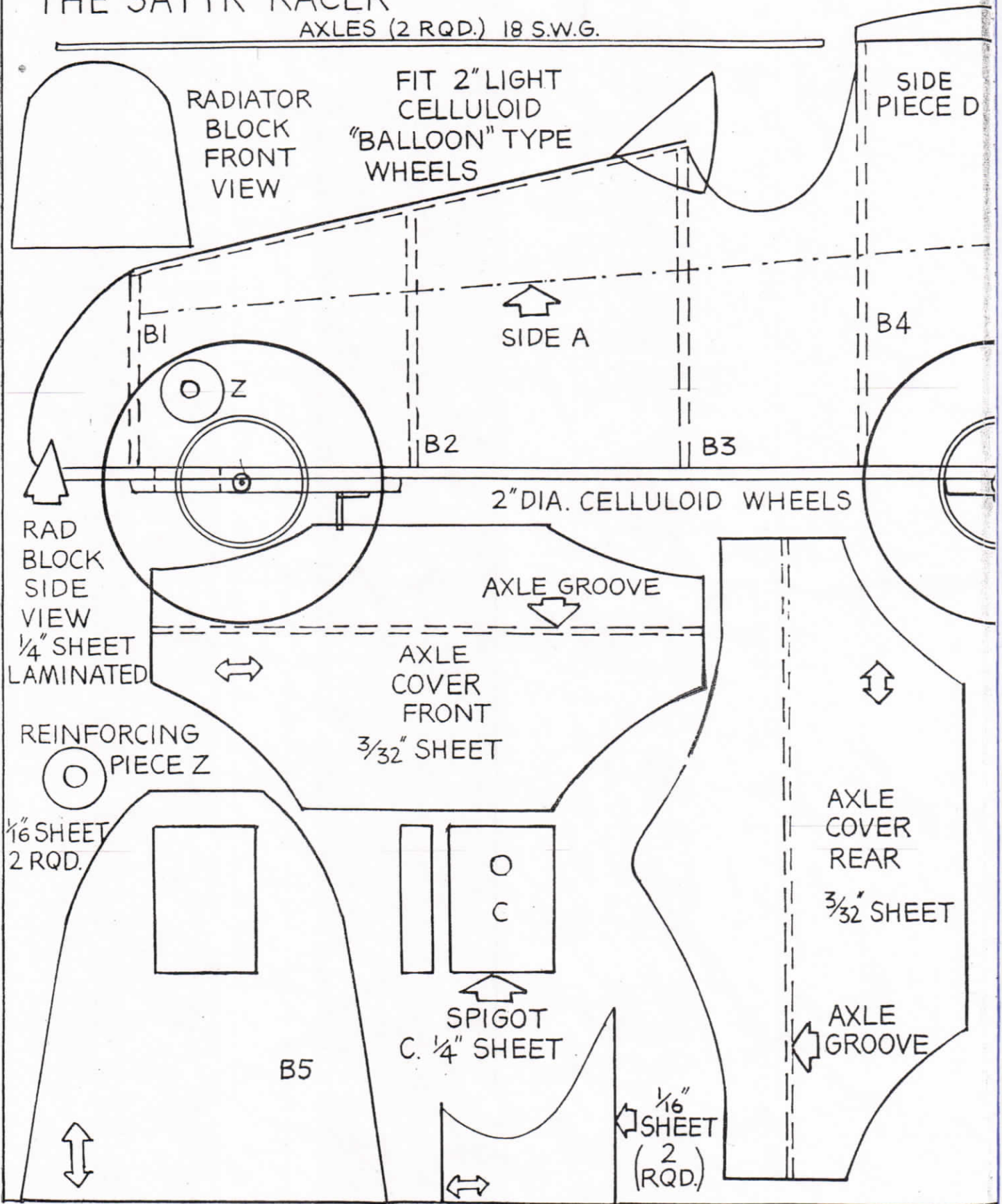
ELECTRICAL PLASTIC TUBING

CARVE
RADIATOR
BLOCK AND
CEMENT IN
PLACE
5" DIA.

5  5cm

THE SATYR RACER

AXLES (2 RQD.) 18 S.W.G.



5cm

6

