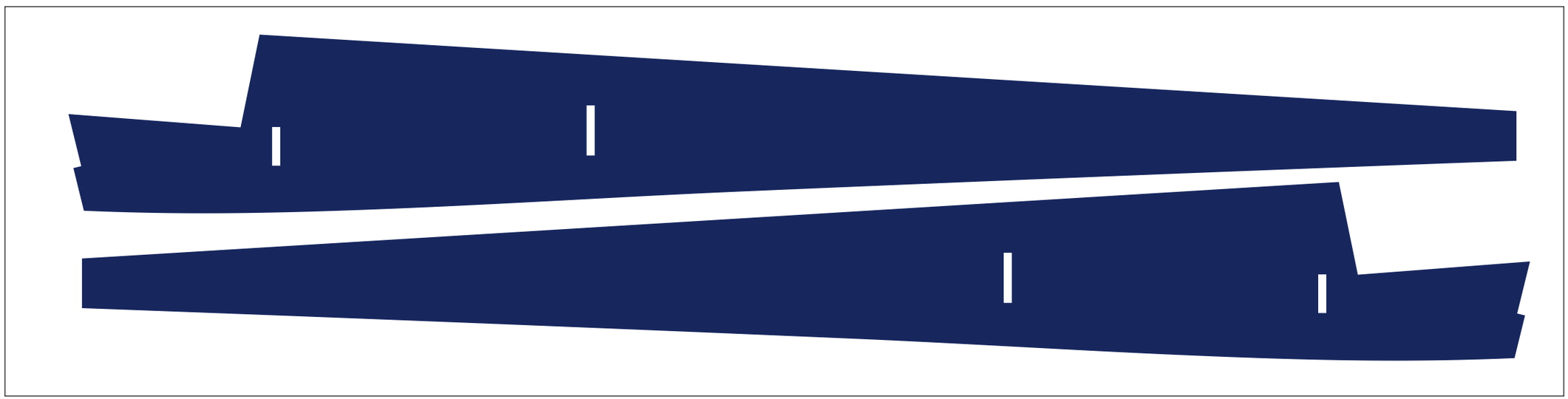
There are several notes I need to provide to aid you with the enclosed package. The original kits used 1/16" balsa. Since this model is a glider that can be launched by throwing, catapult, or hi-start, the strength of the original 1/16” balsa parts needs to be retained. If the parts are going to be printed directly on 1/32” balsa, those sheets should be laminated with a second layer of 1/32” balsa.

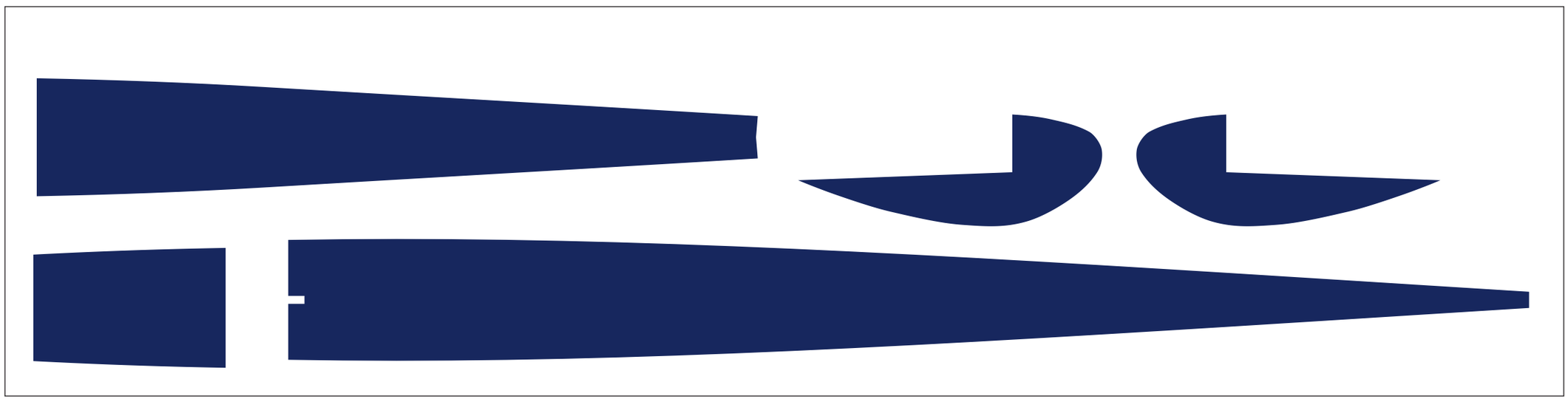
If you do not have a printer that will allow direct printing on the balsa, consider using the iron on T-shirt transfer paper layouts provided via the parmodels.com web site. This material can be printed on any color inkjet printer. You can then transfer the part graphics to balsa sheet of any thickness using a regular clothes iron. When using the iron on transfer process for applying the graphics to the balsa, use 1/16” balsa sheet stock for this model.

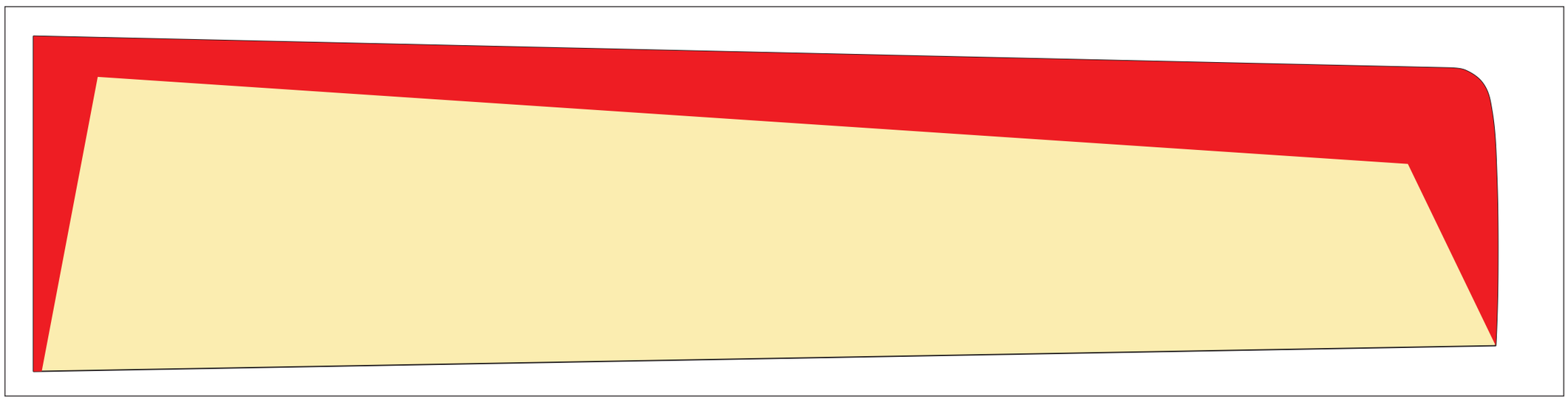
The markings used for the original kit were retained for this reproduction package. Some enhancements are included. The original kit parts had large bare balsa areas. Where the kit left the balsa bare, color was added to the reproduction model parts.

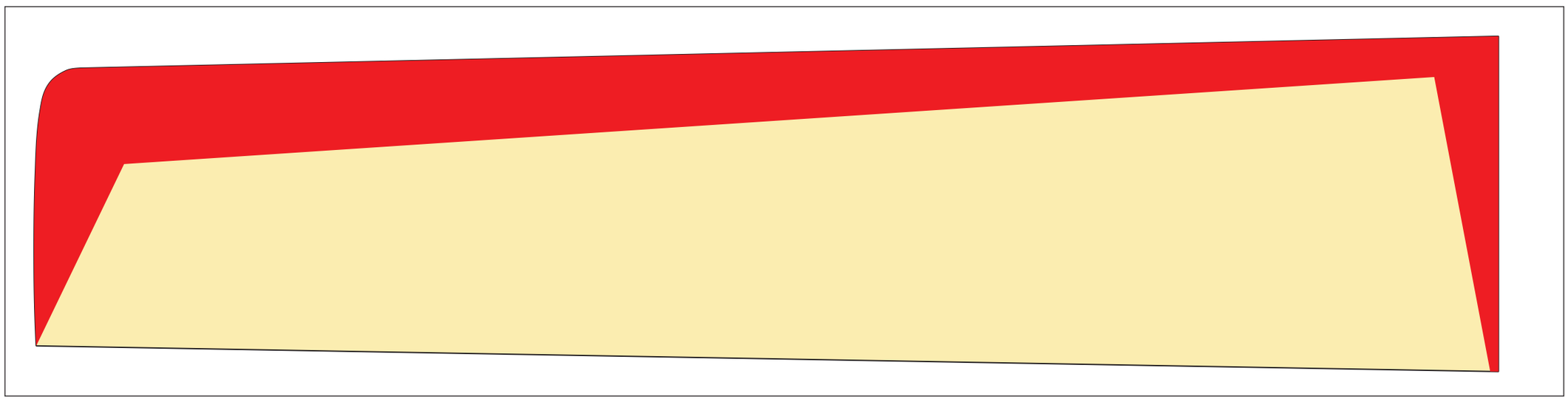
I do hope you build and enjoy a model from this plan package.

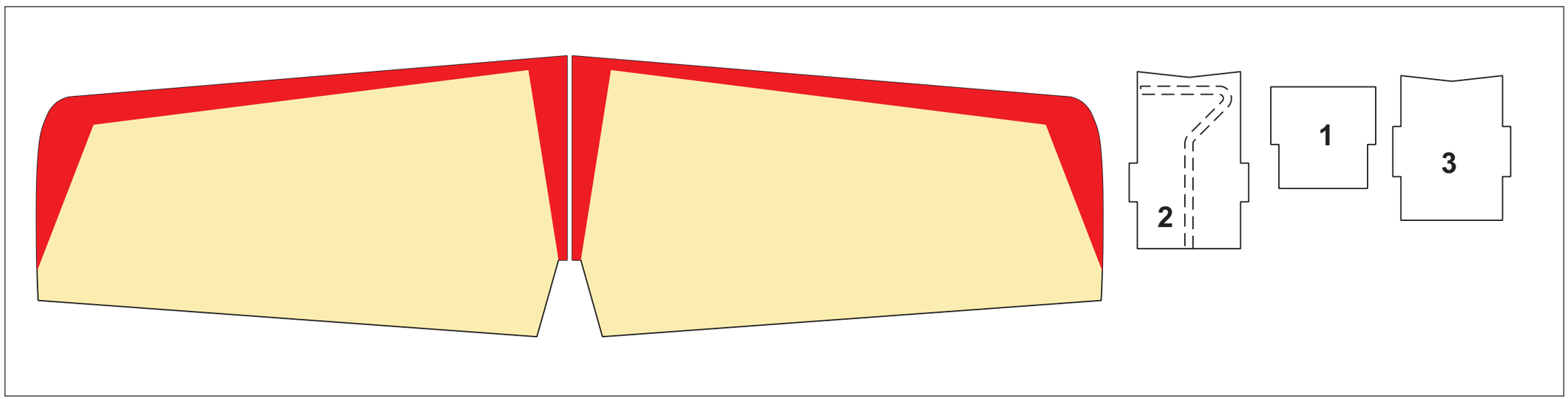
Paul Bradley

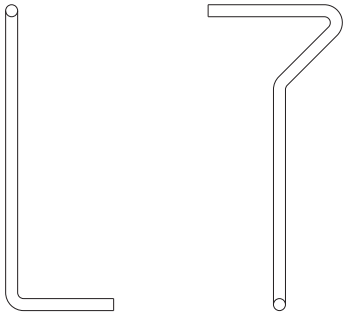




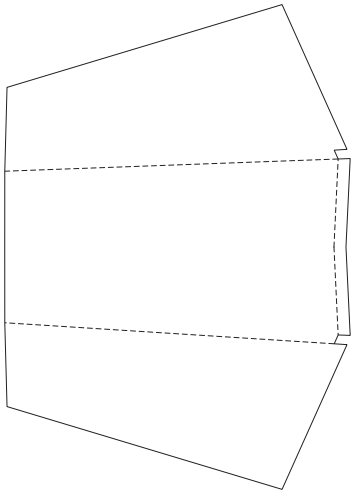




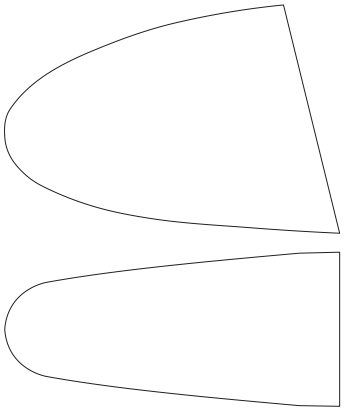

1
2
3



Tow Hook Pattern -
Make from .047 music wire



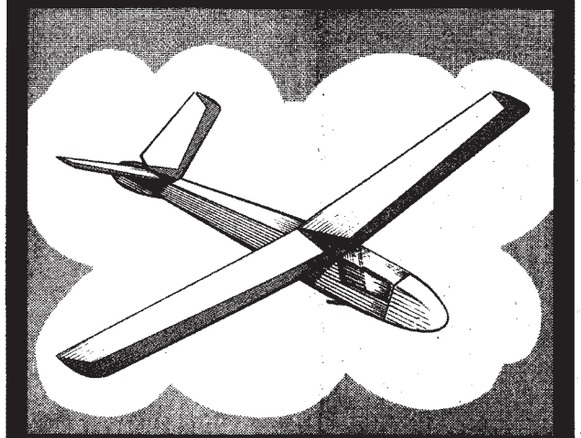
Windshield



Nose Block - Make from balsa

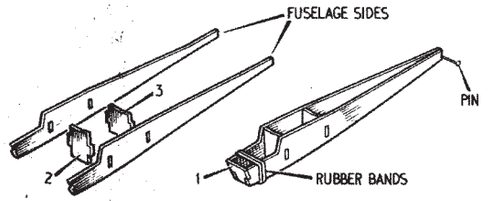
Keil Kraft EeZe Bilt Avia

KEIL KRAFT **EEZEBILT**

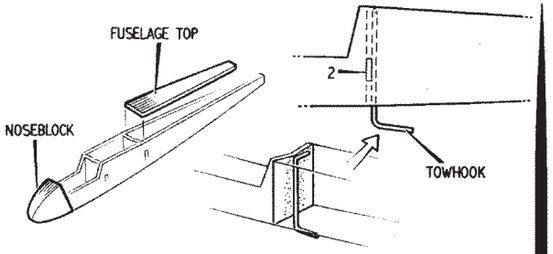


AVIA

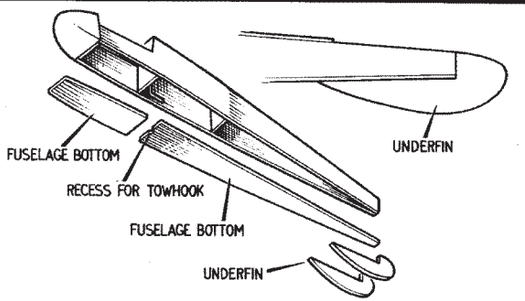
Building - -



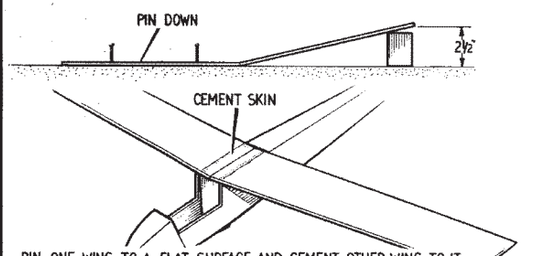
COMMENCE BY CEMENTING FORMERS 2 AND 3 TO FUSELAGE SIDES. CHECK THAT ASSEMBLY IS SQUARE AND TRUE AND LEAVE TO SET. WHEN DRY, JOIN FUSELAGE AT NOSE AND TAIL, ADDING FORMER 1. HOLD FUSELAGE SIDES IN POSITION WITH PINS AND RUBBER BANDS UNTIL SET. **1**



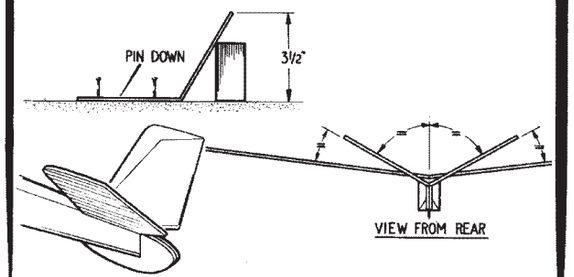
CEMENT NOSEBLOCK AND FUSELAGE TOP TO ASSEMBLY. WIRE TOWHOOK SHOULD BE CEMENTED FIRMLY TO REAR FACE OF FORMER 2. WHEN DRY GIVE A SECOND COAT OF CEMENT TO REINFORCE. CARVE NOSEBLOCK TO SHAPE TO BLEND WITH FUSELAGE SIDES. **2**



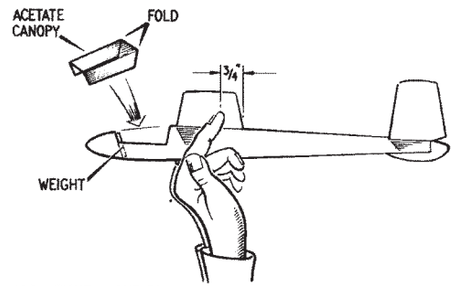
CEMENT FUSELAGE BOTTOM IN PLACE. CUTTING SMALL RECESS IN REAR PORTION TO CLEAR TOWHOOK. PIN IN PLACE UNTIL SET. CEMENT UNDERFIN HALVES TOGETHER AND ADD TO REAR OF FUSELAGE, MAKING SURE IT IS LINED UP ACCURATELY. SMOOTH OFF NOSEBLOCK WITH SANDPAPER. **3**



PIN ONE WING TO A FLAT SURFACE AND CEMENT OTHER WING TO IT PROPPING UP TIP TO 2½". WHEN DRY, SMEAR CEMENT OVER BOTH SIDES OF JOINT TO FORM A CEMENT SKIN. CEMENT WING FIRMLY TO FUSELAGE AND MAKE SURE IT IS SEATED SQUARELY. **4**

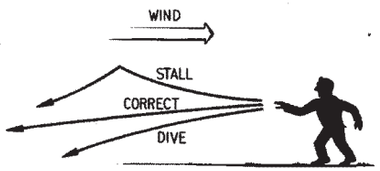


JOIN TAILPLANE HALVES TOGETHER THE SAME WAY AS THE WING HALVES, PROPPING UP TIP TO 3½". CEMENT TO REAR OF FUSELAGE CHECKING THAT TIPS HAVE EQUAL DIHEDRAL IN RELATION TO WING AND FUSELAGE **5**

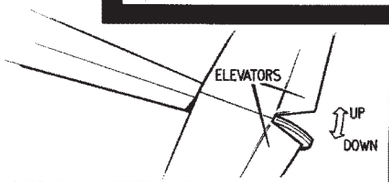


ADD WEIGHT IN THE FORM OF PLASTICINE OR LEAD FROM A CEMENT TUBE, TO REAR FACE OF FORMER 1 UNTIL MODEL BALANCES AS SHOWN. FOLD ACETATE CANOPY WHERE SHOWN AND CEMENT CAREFULLY INTO POSITION USING THE MINIMUM AMOUNT OF CEMENT. **6**

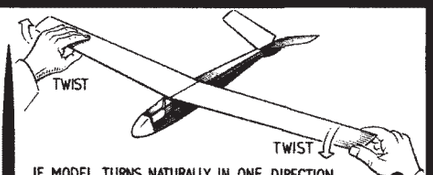
Flying - - -



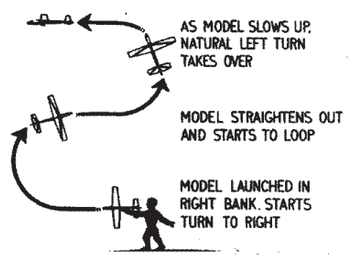
TEST FOR GLIDE ON A CALM DAY, LAUNCHING GENTLY INTO WIND AT FLYING SPEED FROM SHOULDER HEIGHT, WITH THE NOSE POINTING SLIGHTLY DOWNWARDS. **1**



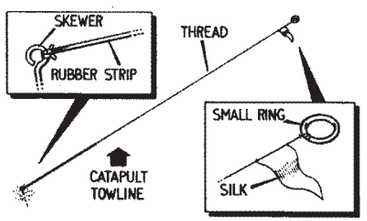
CHECK FLIGHT PATTERN WITH FIG. 1. IF MODEL STALLS (OVER ELEVATED,) BEND ELEVATORS DOWNWARD SLIGHTLY AND IF MODEL DIVES, (UNDER ELEVATED) BEND ELEVATORS UPWARDS **2**



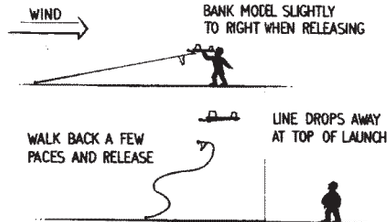
IF MODEL TURNS NATURALLY IN ONE DIRECTION, WELL AND GOOD. IF NOT, HOWEVER, INTRODUCE A TURN TO THE LEFT BY WARPING WING-TIPS SLIGHTLY AS SHOWN. **3**



WHEN MODEL HAS BEEN TRIMMED, TRY CHUCK GLIDING. BANK MODEL TO RIGHT AND LAUNCH. MODEL SHOULD EXECUTE HALF A LOOP WITH A ROLL OFF THE TOP, FOR MAXIMUM HEIGHT. **4**

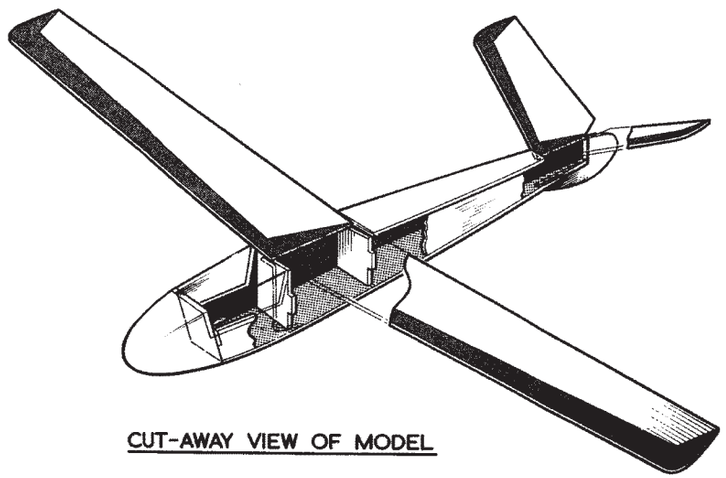


MODEL MAY BE LAUNCHED BY CATAPULT METHOD. MAKE CATAPULT FROM 4 - 6 YARDS OF THREAD AND 1-2 YARDS OF 1/8" FLAT RUBBER STRIP. DON'T USE MORE RUBBER THAN THIS **5**



WITH MODEL TRIMMED TO FLY IN LEFT HAND CIRCLES, ENGAGE RING ON TOWHOOK. HOLDING MODEL, STEP BACK SEVERAL PACES AND RELEASE MODEL INTO WIND. **6**

DESIGNED AND DRAWN BY BRIAN LEWIS



CUT-AWAY VIEW OF MODEL

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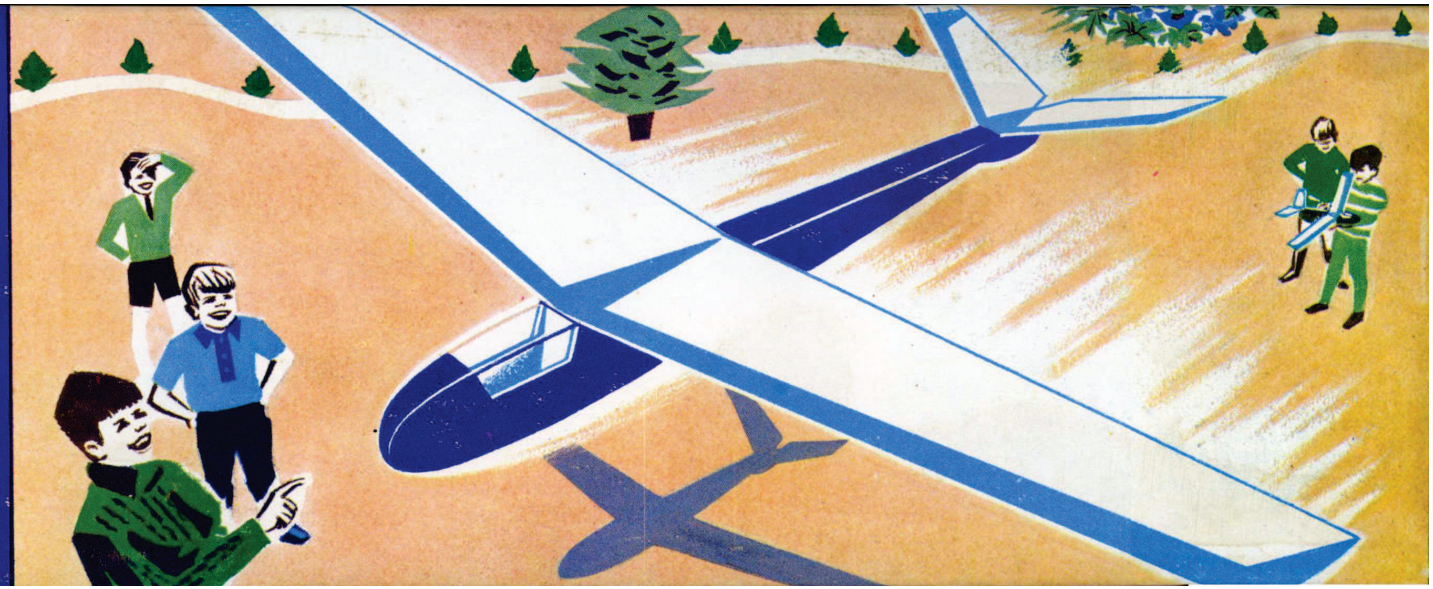
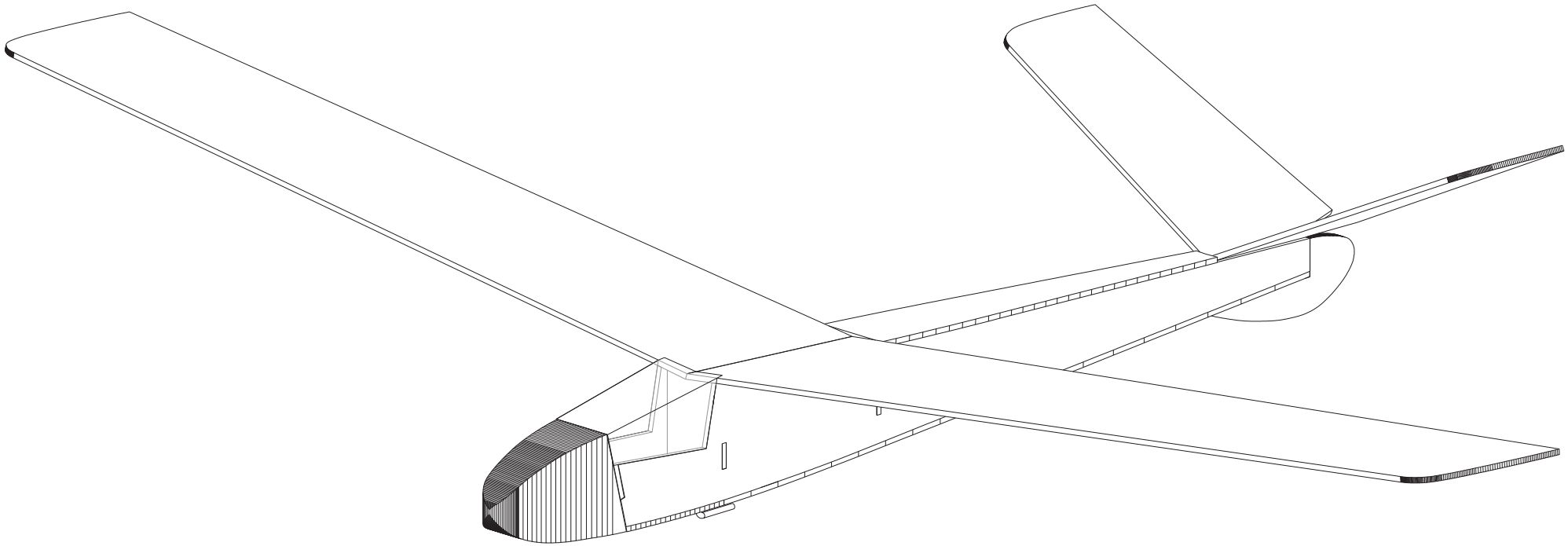
KEILKRAFT

EEZEBILT

AVIA

flying model

MADE IN ENGLAND