A 48" WINGSPAN CABIN CONTEST POWER MODEL.

ETHEREAL LADY.

DESIGNED BY

V.E. SMEED.

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38, CLARENDON ROAD, WATFORD, HERTS.

STRIP		MISCELLANEOUS	
4 STRIPS OF	1/16" X 1/16" X 36" BALSA	2 STRIPS OF	3/8" X 5/8" X 4" SPRUCE
2 " "	1/8" X 1/8" X 36" HARD BALSA	2 " "	1/16" X 1/8" X 18" BAMBOO
2 " "	1/8" X 1/4" X 36" " "	1 PIECE OF PLY	1/8" X 3 1/2" X 4 1/2"
2 " "	1/8" X 1/2" X 36" " "	1 " "	1/16" X 1 1/4" X 8 1/2"
2 " "	1/4" X 1/4" X 36" " "	2 BLOCKS OF	1/2" X 1" X 6 1/4" MED BALSA
3 " "	1/4" X 3/8" X 36" " "	1 " "	3/8" X 1 1/2" X 6" " "
1 " "	1/4" X 1/2" X 36" " "	1 " "	1" X 3" X 4" " "
SHEET		21" OF 12 S.W.G. PIANO WIRE.	
1 SHEET "	1/16" X 3" X 36" BALSA	6" " 20 " " "	
1 " "	1/8" X 3" X 36" HARD BALSA	1 SHEET CELLULOID	
3 " "	1/8" X 3" X 36" MED "	RAG TISSUE ETC.	

ALL WOODS UNLESS OTHERWISE STATED ARE BALSA.

CUT FINGER HOLE ON STBD SIDE FOR CHOKING INDUCTION PIPE SHOULD PROTRUDE THRO' FORMER 1.

1/8" DOWEL.

3/8" X 1/4"

1/8" DOWEL.

1/8" SHEET

METAL MOTOR MOUNTS MAY BE USED

THIS LINE MAY BE LOWERED TO THIS TO THIS POINT FOR UPRIGHT INSTALLATIONS N.B. USE 1° DOWNTHRUST.

TO REMOVE MOTOR IF BUILT TO PLAN

1. REMOVE AIRSCREW
2. UNBOLT MOTOR
3. SLIDE FORWARD TO CLEAR INDUCTION TUBE.
4. LIFT OUT MOTOR BY RAISING BACK FIRST SHAFT APERTURE. IN NOSE BLOCK MUST BE LARGE ENOUGH TO PERMIT THIS

SINCE INDIVIDUAL MODELLERS PREFER DIFFERENT COWLINGS THE ONE SHOWN, WHILE COMPLETELY SATISFACTORY ON THE ORIGINAL MODEL, NEED NOT NECESSARILY BE EMPLOYED

SIDE PANELS HARD 1/8" X 1/4" STRIPS.

12 SWG WIRE

COIL & CONDENSER POSITION IF REQUIRED

1/16" SHEET MAY BE LET IN UP TO FORMER 4

FAIRINGS SHAPED FROM 1" X 1/2" BLOCK ATTACHED TO LEGS WITH 4 LAYERS OF RAG PULP LIBERALLY CEMENTED.

BATTERY BOX IF PETROL ENGINE IS USED.

WING BRACE 1/16" PLY

2 1/2" AIR WHEELS.

1/4" X 3/8" CRUTCH ASSEMBLE WITH SCRAP CROSS PIECES WHICH ARE CUT AWAY AFTER INSERTION OF FORMERS.

ENGINE MOUNT & COWLING DETAIL. BEARERS ARE SET THRO FORMER 1 (WELL GLUED & BRACED) INTO NOSEBLOCK. COWL SIDE PANELS ARE BUILT UP OF 1/8" X 1/4" STRIPS. UPPER HATCH FROM 1/16" SHEET. 1/8" X 1/8" MAY BE USED AS STIFFENERS. LOWER COWL MAY BE CARVED OR MOULDED FROM CELLULOID.

1/8" PLY WEBS

ADDITIONAL 3/8" X 1/4" CEMENTED TO TOP OF CRUTCH TO FORM PLATFORM

BAMBOO RUBBER BAND RETAINER.

3/4" WHEEL.

GENERAL NOTES

DIFFERENT MOTORS WILL NATURALLY AFFECT THE C.G. POSITION BALLAST MAY BE ADDED BENEATH THE TAILPLANE AS REQUIRED. THE FUSELAGE SHOULD BE COVERED WITH RAG PULP OR DOUBLE COVERED WITH HARD TISSUE TWO COATS OF CLEAR DOPE & TWO OF COLOURED WILL GIVE A PLEASING FINISH & ADD WEIGHT IN THE RIGHT PLACE. THE NOSE MAY BE LENGTHENED UP TO 1". IF A PETROL MOTOR IS USED CONSTRUCTION REMAINS THE SAME. TRIMMING IS ACCORDING TO INDIVIDUAL TASTE. (THE MODEL HAS NO VICES BUT 1 1/2° RIGHT SIDETHRUST MAY BE BUILT IN.

1/8" SHEET

E.3.

E.2.

E.1.

1/4" X 1/4"

ALUMINIUM OR SOFT IRON WIRE HINGES

1/8" DOWEL LOCATING IN CELLULOID FACED HOLE IN FORMERS

CARVE BLOCK TO FAIR IN TAILPLANE & FIN WITH FORMER 9.

UNDERCARRIAGE 12 SWG PIANO WIRE BOUND TO FORMER 1. IF WOOD MOTOR MOUNTS ARE DESIRED USE 5/8" X 3/8" SPRUCE CUT OUT SLOTS IN NOSE BLOCK & FIT TO SUIT ENGINE USED.

A DOUBLE-LEG DETACHABLE U/C MAY BE CONSTRUCTED FROM 14 SWG WIRE. PLUGGING INTO TUBES SUITABLY BOUND & BRACED TO FORMERS 1 & 2.

COOLING GRILLE (IF DESIRED) CUT OUT SQUARE. INSERT ROUNDED 1/8" X 1/8" IN FRONT OF APERTURE.

NOSEBLOCK REAR FACE. MAY BE HOLLOWED)

FAIRING BLOCK

CUT TO CHAIN DOTTED LINE FOR 1A.

ALL FORMERS 1/8" SHEET. EXCEPT N° 1. 1/8" PLY.

TAPER SPAR FROM HERE.

TAILPLANE CENTRE BLOCK

1/8" DOWELS

F3

F4

F4A

F2A

F2

F1

1/4" X 1/4"

FIN CONSTRUCTION. 1/8" SHEET EXCEPT WHERE NOTED.

CENTRE SECTION COVERED 1/16" SHEET.

1/2" X 1/4"

1/16" PLY WEB

1/16" X 1/16" STIFFENERS

1/2" X 1/8"

1/8" SHEET

4" DIHEDRAL AT TIPS.

PORT WING CHAIN DOTTED.

1/8" X 1/16" BIRCH OR BAMBOO.

F4A F1 F2 F3 F4

BOUND TO CRUTCH 16 S.W.G.

20 S.W.G.

ALTERNATIVE TAILWHEEL ATTACHMENTS.

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