SUPERMARINE SPITFIRE

WINGSPAN ..... 40 INCHES
LENGTH OF FUS. ..... 32 1/4 "
DRAWING BY ..... J. Martin

MADE IN USA
CAPITOL MODEL AIRCRAFT CO.
BROOKLYN NEW YORK

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DULL GRAY
LIGHT BLUE GRAY

RIGHT WING

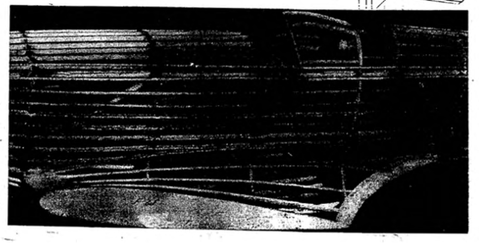
TOP SPAR 1/8 SQ.
MAIN SPAR 1/8 x 3/8
SEE LANDING GEAR DETAIL
TOP SPAR 1/8 SQ.
SET RIB W-1 AT ANGLE TO OBTAIN DIHEDRAL
TAPER TRAILING EDGE
INDIA INK CONTROL OUTLINES - USE RULING PEN
LEADING EDGE - CUT 4 (FOUR) FROM EACH WING FROM 1/8 x 1/2 SHEET - CUT WITH RULER TO SIZE SHOWN ABOVE
CEMENT 2nd LE SHEET TO 1st LE AFTER IT IS SECURE TO RIBS.
APPLY INSIGNIA WITH RUBBER CEMENT
LEADING EDGE IS SANDED ROUND
DIHEDRAL 1/8
UNDER SURFACES WHITE

CAMOUFLAGE:
FOR FLYING, IT IS RECOMMENDED THAT THE SHIP BE LEFT ENTIRELY WHITE. FOR A MORE DECORATIVE & REALLY SPECTACULAR MODEL, THE CAMOUFLAGE LINES MAY BE APPLIED AT BUILDER'S OPTION. THE DARKER COLOR IS A DULL GRAY-GREEN. THE LIGHTER COLOR IS A LIGHT OLIVE DRAB. BOTH COLORS SHOULD BE FLAT. (NO GLOSS).

NOTE: BEFORE BUILDING LEFT WING, SEE "WINGS" UNDER CONSTRUCTION NOTES.

BEAD
BLACK THREAD AERIAL
RADIO ANTENNA
WINDSHIELD PATTERN
Cover cockpit in 3 separate sections
SET FRONT FUS. F-6
CELLULOID WINDSHIELD
CELLOPHANE 1/16 x 3/16
BLACK THREAD OUTLINE - USE INK
F-27
TOP STRINGER 1/16 x 1/8
F-31 - D
AERIAL
R-3
R-4
TAPER TRAILING EDGES
BLUE
WHITE
RED
1/16 x 1/4
1/8 SQ.
R-2
ROUND LEADING EDGES
P-31
R-1
THIS SECTION WHITE
STABILIZER
S-3
PROPELLER & SPINNER PAINTED DULL GRAY
F-2
F-4 - A
F-10
LONGERON
SIDE VIEW
STRINGERS 1/16 x 3/32
STRINGERS
F-1
F-3
F-11 - B
F-18
F-22 - C
F-26
F-38
B-6
B-7
F-39
WHEEL CUT FROM WIRE OR PRINTED SHEET PIN FIN.
STREAMLINE AS SHOWN
F-40
REAR HOOK & SUPPORT
1/8 SHEET
F-34 - D
UNDER SURFACES WHITE
F-25 - C
F-7
F-30
CUT OUT THIS SET OF NUMERALS & SET ON PLAN. APPLY WITH RUBBER CEMENT AS SHOWN.
P7414
S-3
NOTE: STABILIZER MUST BE CEMENTED IN POSITION BEFORE TOP STRINGERS ARE ATTACHED
S-2
S-4
TAPER TRAILING EDGES
1/16 x 1/4
S-1
ROUND LEADING EDGES
F-35
F-29
NOTE: ENTIRE STABILIZER BUILT IN ONE SECTION.
PHOTOGRAPHS BY Bernard Grose
STRUCTURAL DETAIL

F-2
F-4 - A
F-10
F-1
F-3
F-14
UNDER SURFACES WHITE
F-9 - A
F-13
WIRE HOOK IS INSERTED & IMBEDDED INTO WOOD PLUG. PLUG IS THEN CEMENTED INTO HOLE MADE IN PROPELLER BEAR OR SPINNER
SEE WING FILLET DETAIL
F-17 BOTTOM CENTER
F-21 FLOOR RIB
F-21 BOTTOM CENTER
CARD MOUNTED
B
B-1
1/8 x 3/8 BLOCK
LANDING GEAR STRUT ROUNDED BELOW WING
MAIN SPAR
LANDING GEAR DETAIL
FUSELAGE INNER FRAME DETAIL
1/8 SQ. THROUGHOUT
F-1
F-24
STRINGERS
F-17
F-23
F-15
CARD OR SHEET
F-12
F-28
STRINGERS 1/16 x 3/32
TOP STRINGER 1/16 x 1/8
F-32
SHAPE FROM BLOCK AS SHOWN
TOP & BOTTOM CROSS BRACES 1/8 SQ.
TOP VIEW
F-8
F-16
F-36
F-37
F-33
F-29
FRONT MOUNT (WIRE)
F-5
F-19
F-20
F-27
EXHAUSTS CARVED FROM BALSA - PAINT BLACK
SPINNER SHAPED FROM BLOCK



CUT OUT BOTH SETS OF LETTERS & APPLY TO BOTH SIDES OF FUSELAGE USE RUBBER CEMENT.

LNF
LNF

A-A
B-B
C-C
D-D
F-22
F-23
F-24
F-25
FUSELAGE CLOSURE SECTIONS 1/2 SCALE

CONSTRUCTION NOTES

Before beginning to build, study the plan carefully also referring to it from time to time. In this way, possible mistakes may be avoided and the process of construction, especially to the inexperienced builder, will be easier and more pleasant. Certain joints, which at first may seem difficult, will be found to be quite simple when the reason for them and the way in which they are to be made is explained. If this perfectly designed plan is followed carefully, the builder will be rewarded by a beautiful flying model that is extra sturdy and durable. To begin, fasten down the plan with thumb tacks to a large flat surface. It is best to use a soft wooden surface, such as pine, etc.; since the soft surface permits the tacks to be pushed in easily. Cover the plan with wax paper. Where the wax paper is not available, then [illegible] will be used to hold the formation of the construction in place while the cement sets. Place a sheet of wax paper over the surface of the section being constructed, in order to prevent the cement from adhering to the plan. Cement will not adhere to the waxed surface.

FUSELAGE: The fuselage, or "body" of the plane is usually built first. Lay down the longerons on the SIDE VIEW of the plan surface, holding them in place by means of pins. Then cement the upright bracers into position. After the complete side is built, allow the cement to dry for about 30 minutes. Remove the completed side, and build another just like it. When the two sides are completed, cement them together at the tail posts, after which cement the top and bottom cross bracers in place. Allow the cement to dry for about 30 minutes, and after the lower frame is completed, cut out the formers from the printed balsa sheet, and cement to the frame in their designated positions. Formers are indicated by F-1, F-2, etc. Before cementing the formers in position, make sure that they are square, and that they are at proper alignment. NOTE THE CHANGE AFTER THE UNDER-CARRIAGE IS CENTER. For this, bring note that the stringer follows a straight line. Do not wet the former too heavily, rather lavering half of the stringer out of the notch. This will give a better covering.

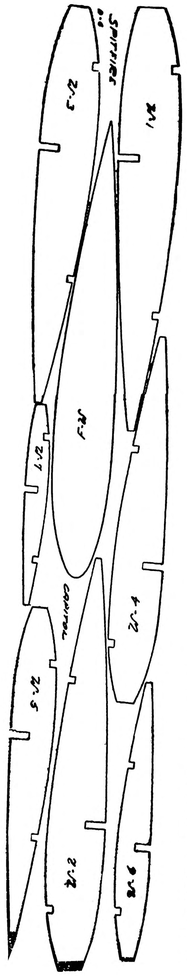
WINGS: Cut out all ribs from the printed sheets also the wing tips. Pin the main spar into position on the plan surface. Cement the ribs in their respective positions to the main spar. Add the leading and trailing edges; top spars and the tips. IMPORTANT: To build the left wing, place the WRONG side of the ribs down on the plan, and the RIGHT side of the wing uppermost. Then turn the plan over on the reverse side, and follow the same procedures.

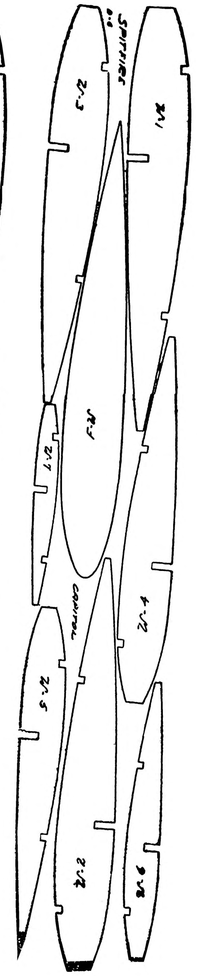
TAIL SECTIONS: Build on the plan surfaces as indicated.

COVERING: Clear dope is used to adhere the covering to the framework. Each section of the plane, such as rudder, stabilizer, wings, etc., should be covered before final assembly. Lower a small portion at a time in order to prevent wrinkly work. Apply the dope only to the OUTSIDE EDGES of the portion being covered, being care not to stretch or pull the covering material out of shape. Use a soft brush for applying the dope. The covering material, cut away slightly with water from an insect sprayer. The coating, upon drying from the spray should shrink up with a firm, drum-like finish. It is good to dope each section before the sections are assembled together in final assembly.

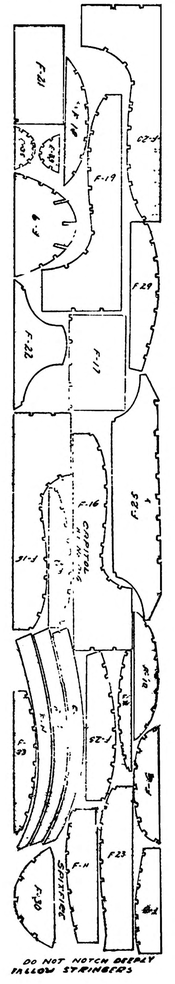
ASSEMBLY: Cement the wings to their mounts - also the tail sections. This may be used to hold the wings in position. Make sure that the wings are properly aligned. Use a sewing needle for covering. The covering should be applied as shown, about dope dries quickly. Set the fuselage and tailpiece with a heavy razor blade.

Capitol Spitfire 2 formers





Capitol Spitfire 2 formers



Capitol Spitfire 2 formers

