

**LOWER WING FAIRING BLOCKS**

[illegible]

**FRONT**

OVERSIZE 1/4 HOLES.

9/16 HOLES

**SIDE VIEW**


**WING SADDLE**

Using 3/8 x 2 1/2 6-58 to top view shape of saddle. Drill all four 9/16 holes. To side view, so that hole goes out square in slot. Top edge of curved bottom to be made ribs when installing as described in final

**WIRE SCREEN**

Using wire screening when using this flange fit inside of cowling piece. Screen is pa

WIRE SCREEN TEMPLATE



## CONTROL LINE INSTALLATION

Diagram illustrating the location of the Incidence Check Line on the ship's bow.

from base on which the bell crank is mounted. Use full size layout for sizes, etc. Add a second heavy coat of cement around entire installation and permit to cure. Following installation of motor and the hood assembly, bell crank on platform according to instructions of manufacturer. Motor and motor shaft or motor is installed and engaged in elevator motor in same manner as described in (final) assembly instructions. Motor and motor shaft also installed at this time. Linkage connection is made with kink links as described. Lead wire is engaged in motor and motor shaft. Holes made in side of fuselage. Cement apron 1/8" to 1/4" wide of fuselage BEFORE COVERING where motor and motor shaft are installed. Motor and motor shaft are installed to finish off and to reinforce holes. "N" interplane struts are installed in wing. A 1/8" plywood line guide (shown by dotted line on drawing) is made and securely attached to strut and motor shaft. (See drawing). For transcription purposes, struts

**METAL STRUT TABS**

Make 2 metal tabs from .002 material. Drill 1/8 hole as shown. Install as described below.

TOP


FRONT

SIDE

The diagram illustrates the construction and installation of metal strut tabs. It includes three orthographic views of the tab: a top view showing a square with a central hole, a front view showing a square with a central hole, and a side view showing a rectangular profile. The tab is shown being installed onto a chassis, with a screw being used to secure it. The text 'Make 2 metal tabs from .002 material. Drill 1/8 hole as shown. Install as described below.' provides instructions for the user.

**MULTI VIEW SCALE DRAWINGS**

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PAINT & SCALE DETAIL

Fifty

PRE-FLIGHT & FLIGHT NOTE



**Sterling**  
MODELS  
PHILA., PA. 19144  
U.S.A.

**Fifty-eight and a half inches of RC\* scale magnificence!**

**FOUNDER**

## FOKKER D-7

Scale: 2" = 1 ft. Engine Size: .45 to .65 Wing Area: Approx. 950 sq. in.

### Radio Control Model Airplane Kits

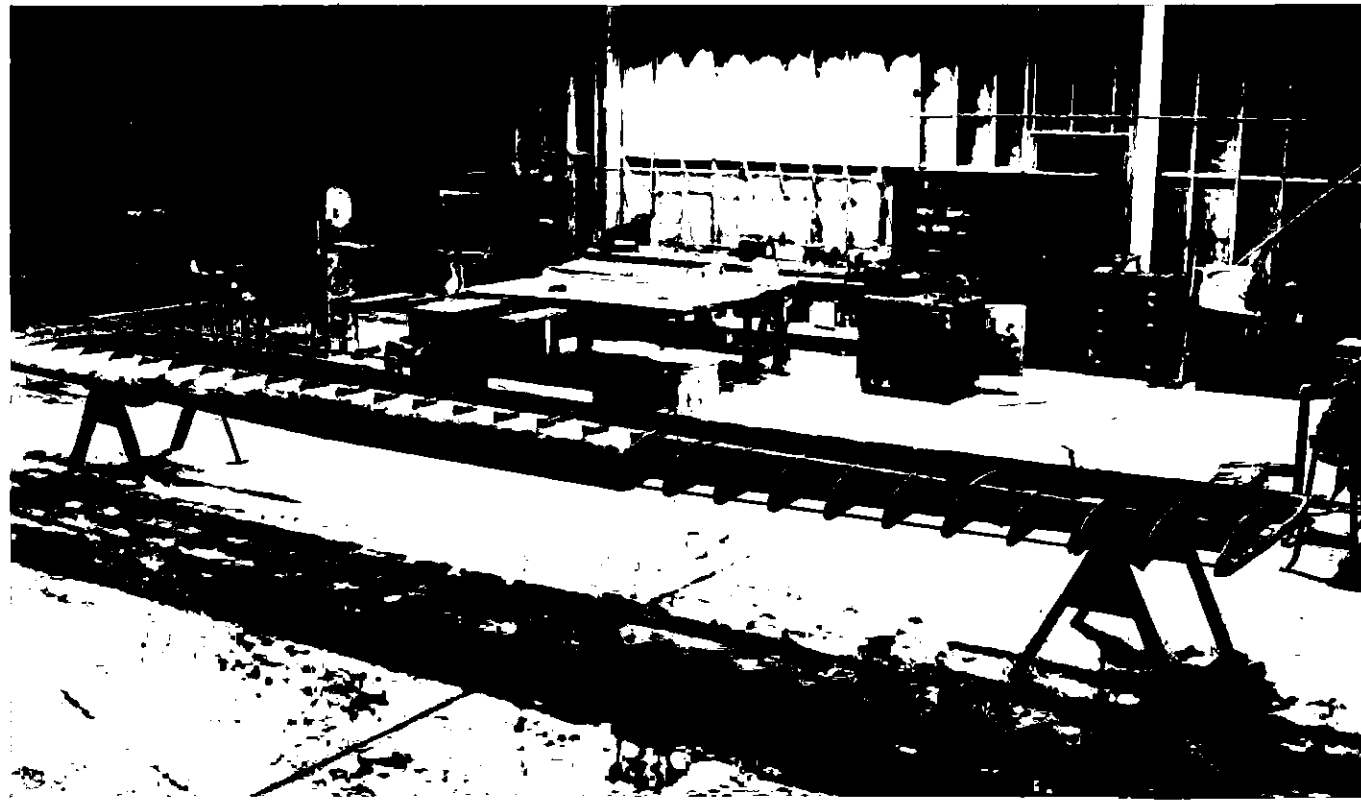
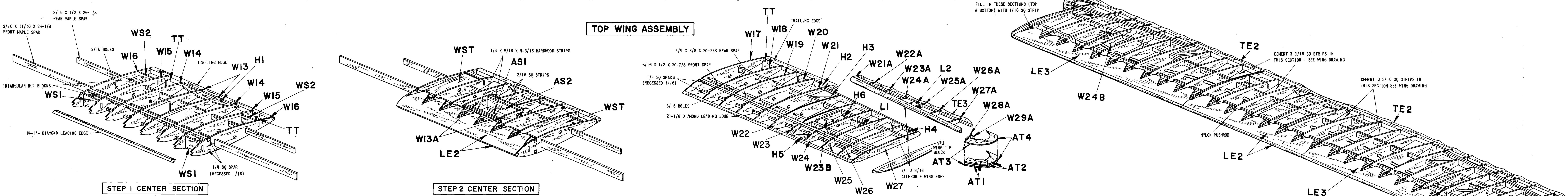
**MADE WITH GREAT PRECISION AND FIDELITY TO SCALE**

There is no deviation from true scale in the outline shape of the model from the full-size plane. Even the rib spacing in the wings and tail, the stringer spacing and construction of the fuselage, the distinctive FOKKER-style wood leading edge covering (die cut) is faithfully reproduced. Scale wing taper and dihedral. Highly detailed scale plastic Mercedes engine and Spandau machine guns. Authentic scale World War I decal insignia. Nylon screw-wood nut fastening — no rubber bands.

\*Can also be built as a control line model, details on plan

KIT ES-21 SIDE 1 OF 4 (2 SHEETS) N26AJ8M10-





cker D-7 Top Wing in production. Look at that "scale" Leading edge covering. Photo courtesy of Smithsonian Inst

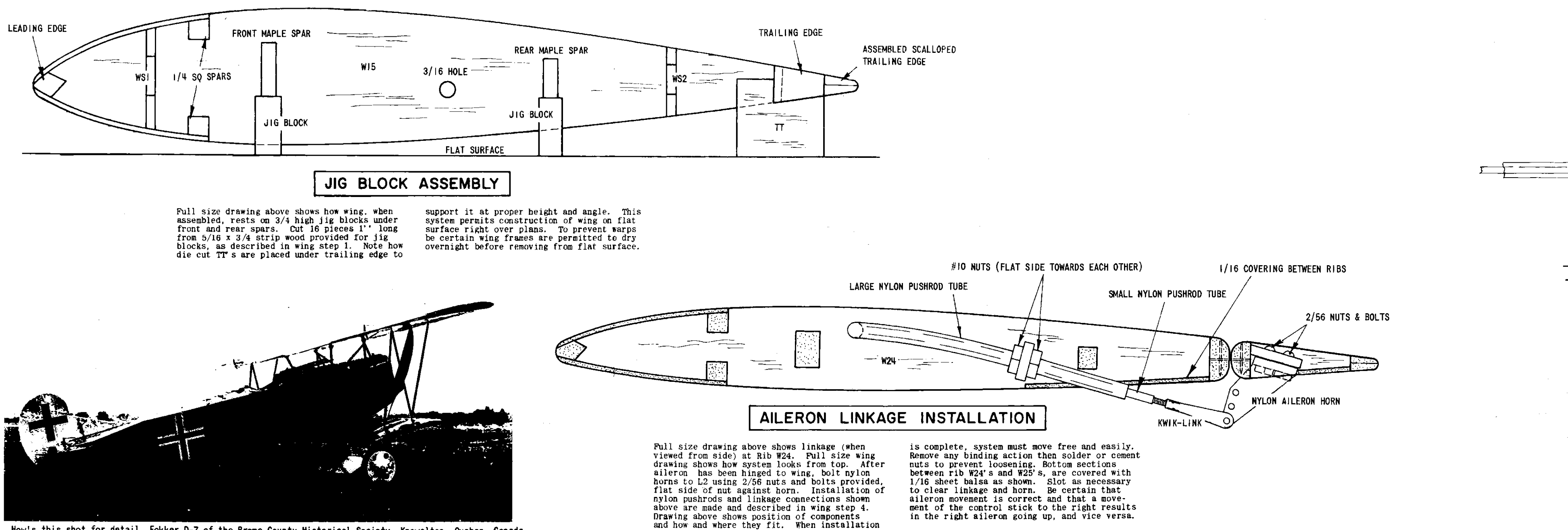
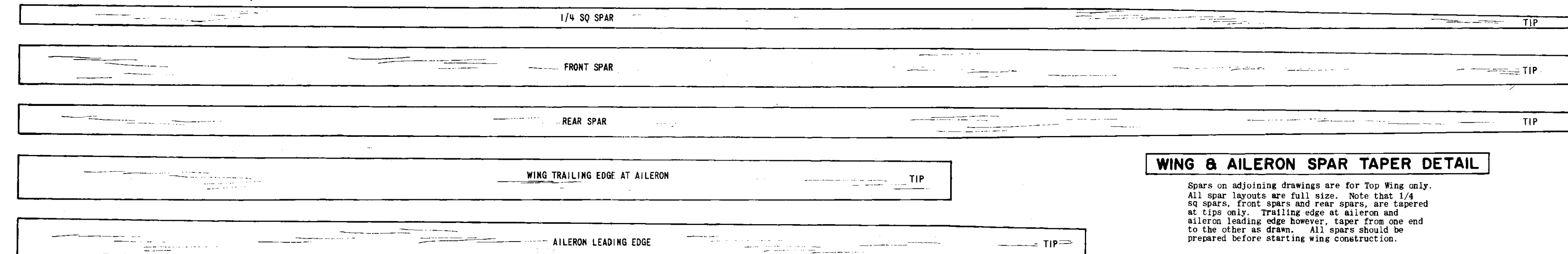


Photo courtesy of Canadian Forces









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Diagram illustrating the assembly sequence for the wing structure, showing various components and their assembly order:

- SB3B
- 10-1/2" TRAILING EDGE
- SB2
- SB3A
- ADJOINING EDGE
- SB4
- SB1
- 1/8 X 1/2 X 10-1/2 HARDWOOD SPAR
- SB3B
- 1/4 X 5/16 X 10-1/2 HARDWOOD SPAR
- SB3A

Place 1/8 x 1/2 x 10-1/2 hardwood spar on foil base drawing. Then cement 1/4 x 5/16 x 10-1/2 hardwood spar vertically to top of it. Flush with rear of form section as shown in sketch. Cement the four CENTER (only) SB1 ribs in place then cement SB4's to top of 1/8 x 1/2 spar, against front of 1/4 x 5/16 spar, sq side against rib as shown. Do likewise on opposite side. 1 SB2 is cemented against angled side of SB4 so that it assumes proper angle for landing gear.

A perspective view of a wing structure. Two vertical lines represent the landing gear struts, labeled "LANDING GEAR STRUTS". The wing spar is labeled "HARDWOOD SPAR". Spar labels "SB1" and "SB2" are indicated on the upper surface of the wing.

SHEET BALSA COVER  
NOTCH AS REQUIRED  
FOR MAPLE LANDING GEAR STRUTS

**WING STRUTS**

Shape all 7 pieces of 3/16 x 5/16 x 22 maple provided for all wing struts, to cross section shown. Make 2 "W" (interplane) struts, cutting struts to proper length and width, and cement together over full size drawing above. Use 2 heavy coats of cement, then fair in all joints with plastic balsa and sand smooth. Cover with silk or nylon for additional strength. Remainder of shaped strut material is used for center wedge cabane struts and front mast bevelled as shown in section of layout drawing to receive wire center cabane strut. Struts are fitted and installed as described in final assembly.

**1/8 IN. HOLES**

**1/8 IN. PLYWOOD**

**CROSS SECTION**

**1/8 IN. DOTTED LINES**

**MAKE WING GUIDE (SHOWN IN DOTTED LINES) FOR CONTROL LINE MODELS ONLY. INSTALL ON LEFT STRUT.**

Spars above are for bottom wing only. All spar layouts are full size. Note that spars are tapered at tips only. All spars should be prepared before starting wing construction.

Technical drawing of a window assembly, showing a cross-section of a double-pane window. The drawing includes labels for various components and dimensions:

- 24" DIAMOND LEADING EDGE** (top center)
- 1/4" DOWEL** (top right)
- LEI SHEET COVER** (top right)
- 1/4" SQ SPAR (RECESSED 1/16)** (top right)
- 1/4 X 1/2 X 24 FRONT SPAR** (top right)
- 1/8 X 5/8 X 21 FRONT MAPLE SPAR** (top right)
- 1/8 X 1/2 X 17 REAR MAPLE SPAR** (top right)
- 1/16 X 3 X 20 SHEET CUT TO FIT** (top right)
- 24" TRAILING EDGE** (bottom center)
- DOUBLE LAYER TEI** (bottom center)
- LEFT WING PANEL** (center)
- JIG BLOCK** (multiple locations)
- W1, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, W19, W20, W21, W22, W23, W24, W25, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W41, W42, W43, W44, W45, W46, W47, W48, W49, W50, W51, W52, W53, W54, W55, W56, W57, W58, W59, W60, W61, W62, W63, W64, W65, W66, W67, W68, W69, W70, W71, W72, W73, W74, W75, W76, W77, W78, W79, W80, W81, W82, W83, W84, W85, W86, W87, W88, W89, W90, W91, W92, W93, W94, W95, W96, W97, W98, W99, W100** (various locations)
- 1/16" HOLE** (bottom right)
- OVERSIZE 1/16" HOLE** (bottom right)

FRONT WIRE CABANE STRUT TEMPLATE

The image shows a large, empty template for a front wire cabane strut. The template consists of a semi-circular top and a rectangular base. A diagonal line on the right side indicates where to attach a strut. The entire template is enclosed in a rectangular border.

struts are installed in substage step 5 as described in detail and sketch in wing Cabane Strut Note. Templates are full size and may be cut from plans and cemented to cardboard for convenience in handling. These full size layouts are provided since accuracy of cabane strut alignment is a must for top flight performance.

# FOKKER D-7