ISSUE #30
JAN-1976

THE HANGAR PILOT



C.B. MAYMARTIN

FROM "AN IRISH AIRMAN FORSEES HIS DEATH"
William Butler Yeats 1917

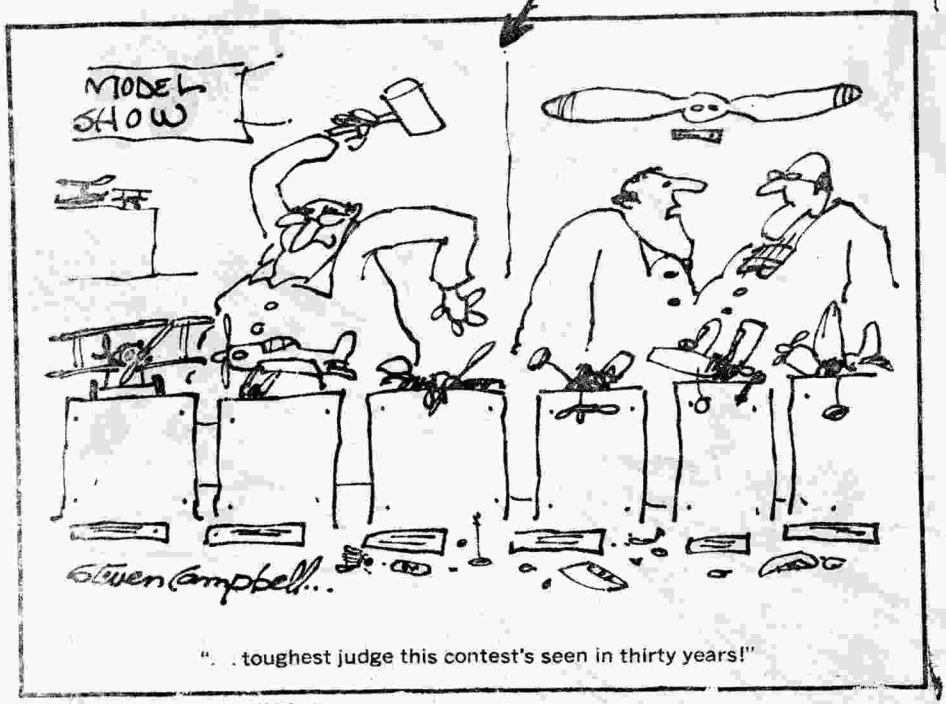
I know that I shall meet my fate
Somewhere among the clouds above;
Those that I fight I do not hate,
Those that I guard I do not love;
My country is Kiltartan Cross,
My countrymen Kiltartan's Poor,
No likely end could bring them loss
Or leave them happier than before.
Nor law, nor duty bade me fight,
Nor public men, nor cheering crowds,
A LONELY IMPULSE OF DELIGHT
Drove me to this tumult in the clouds;
I balanced all, brought all to mind,
The years to come seemed waste of breath,
A waste of breath the years behind
In balance with this life, this death.

NEXT CONTEST: JANUARY 25TH @ GOODYEAR BASE OPA-LOCKA

NEXT FLY-IN FEB 8 JFK GYM

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FROM 'FLYING MODELS'



"...toughest judge this contest's seen in thirty years!"

CONTEST #3:

We had quite a few out-of-state visitors in the Blimp hangar for our last meet. District VIII's Murry Frank and friends came by to visit, and Dan Belieff was in from Md. to compete. Dan is the current Category I H.L. glider record holder, and he set two Fla. state records at this meet, wiping out those held by Roman Szymula. Doc Martin is geting easy to beat in Peanut Scale. This month it was Alan McAdam who got his Cougar going for a first place in Peanut. Our Florida champ missed his first meet in 3 years to give all us ordinary folks a chance to catch him, but he is still leading in annual points after 3 meets, and I'm pretty sure Jim Stewart will be on hand for the next meet. All Hangar Pilot readers will be relieved to know that Speedy Arthur was able to beat the 2:30 glider entry deadline with ease. As usual he was seen in the parking lot sanding and glueing like mad. Kevin Smith (Mr. Personality) finally got his Lacey M-10 going to win the Scale event. In the Open class only 2.8 points separated 2nd, 3rd, and 4th places. Jim Whelan set a new Fla. state record in Manhattan Cabin and won the special award donated by Ernie clark..... THE CLARK CAKE-AND-ICING-SHAPED-LIKE-A-BIG-PANDA-BEAR-MANHATTAN-CABIN-AWARD. Next meet Ernie has promised a "goodie" to the winner of the Peanut Scale event. Jim says his prize was delicious. Thanks Ern, and Mrs Clark who baked it.

LETTER FROM WALT MOONEY Walt is fully recovered from a recent illness as you can tell from the center spread in recent Model Builder with another of his Peanuts. He reveals where he digs up all those kooky craft he models.. I'll let him tell it: "You asked about my source of 3-views. First of allI've accumulated over about 40 years, a fairly good collection- my aviation library has always been aimed at getting 3 views. I have most of the "Observers Book of Airplanes" since 1943."Janes All The World Aircraft" has recently been reprinted for 1909, 1919, 1945, and I also have 1969-70,and 1972-73. I've also managed to get the "Aircraft Yearbook" for 1936, 1940, 1942, & 1943...wish I could find some of the earlier ones. I've been writing to modelers in Poland,Russia, Czechoslovakia, France, Australia, New Zeland, and England. I usually ask for old aviation magazines in trade for model supplies, and this has worked very well. When I travel on business or vacations I try to find the local used book store. This works once in a while. In milwaukee last October I picked up a copy of Joe Ott's "Model Airplanes Building and Flying" published in 1931 (Signed by Ott on 11/9/31). Anyway that's how I've found a lot of obscure 3-views. I probably passed up lots of collectors items by not taking issues that had no 3-views. Of course when I'm desparate I can draw my own from photos- I used to do that years ago for air force Intelligence (As a Convair engineer) That was a fun job, deciding on a stab shape from a glob of 6 or 7 emulsion dots"... Thats how it's done, thanks for the information, Walt.

RESULTS OF MEET #3 DEC 28 1975 OPA LOCKA FLA.-30 ENTRIES- DAN KILGORE SCALE JUDGE

Peanut:
1.Alan Mc Adam 4 points (Cougar 24.75) 1 looks, 3 flight 70.1
2. John Martin 4 points (Lacey M-10 22.5) 3 looks, 1 flite 2:17.3
3. Kevin Smith (Sr)5 pts.(Lacey M-10 22.5) 3 looks, 2 flite 75.3
4. Alan Mc adam 6 points (J-3 Cub 23.0) 2 looks, 4 flite 43.5
5. Jim Whelan 10 points (Cougar 18.0) 5 flite, 5 looks 14.0

SCALE: 1.John Martin(Stahlwerke LL) 83 looks, 42.4 flight 125.4
2.Alan McAdam (Cougar) 65 looks 27.8 flight 92.8
3. Jim Whelan (Cougar) 59 looks 33.0 flight 92.0
4. Dick Kelso (Monocoupe) 72 looks 18.0 flight 90.0

SCALE,JR/SR:
1.Kevin Smith (Lacey M-10) 67.0 looks 38.2 flight 105.2
2.Charles Slater (Curtiss Robin) 50.0 looks 37.0 flite 87.0

EASY B(O) : 1.Alan Mc Adam 6:36.2
2. Roman Szymula 5:29.8
3. Fred McCallum 4:14.2
4. Jim Whelan 1:00

Easy B (Jr/Sr) 1. Chas. Slater 8:32.8
2. Alan Honey 4:42.6

PENNY (O): 1. Roman Szymula 4:40.2.....Penny Jr/Sr: 1.Alan Honey 1:19.5

STICK: 1.Dan Belieff 19:11.0 ★NEW FLORIDA RECORD
2.Roman Szymula 16:03.7

PAPER STICK 1. Dan Belieff 11:48 NEW FLORIDA RECORD ★
2. Roman Szymula 8:32.0
3.Fred McCallum 4:48.0

MANHATTAN CABIN: Jim Whelan 2:32.2 ★NEW FLORIDA RECORD

GLIDER: 1.Dan Belieff (43.6)(41.2) 84.8
2.John Arthur (42.3)(36.5) 78.7
3. Jim Whelan 24.0

Jr/Sr Glider: 1.John Arthur Jr.
(Proxy flown C.Slater) 70.1
2.Kevin Smith 53.5

(2) JAN 25TH CONTEST #4 OPA LOCKA 9 to 5 ERNIE CLARK PEANUT AWARD!

indoor. STOLEN FROM NFFS FREE FLIGHT

COVERING WINGS AND TAILS WITH MICRO-FILM

by Manny Radoff, Contributing Editor

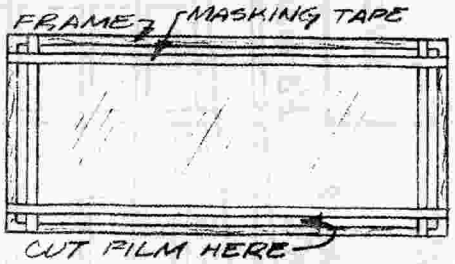
Once upon a time I used to wet my wings and tails and then carefully lay them down on the microfilm with the need to push and poke all spars and ribs to get them in line. Now I put my wings and tails on a flat piece of formica with an outline as a guide for the shape, and put my film down on them. Their wetness holds them in place and shape, beside being the adhesive to stick the film onto them. I like the formica because I can easily change drawings on the hard surface, besides being easy to keep clean, I did sandpaper the surface to lessen the tendency of the water to form globules and a by-product was less glare under my bright working lights. I have used hardboard, chip-board, plain wooden shelving, and even cork-board. All were satisfactory.

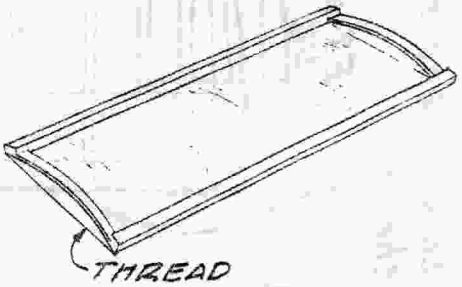
There are many adhesives that can be used to stick the microfilm to wing and tail frames. Your own saliva and sugar water are readily available and work very well. Beer and soda pop (sweetened with sugar) are also good. Either of these are preferable to commercial cements since they add little or no weight. Besides wetting the frame, also wet one half inch around it. This moisture will draw the film down upon the spars. I also make another line of moisture about one inch away. This helps to keep the film in place should the hoop accidentally slip out of my grip.

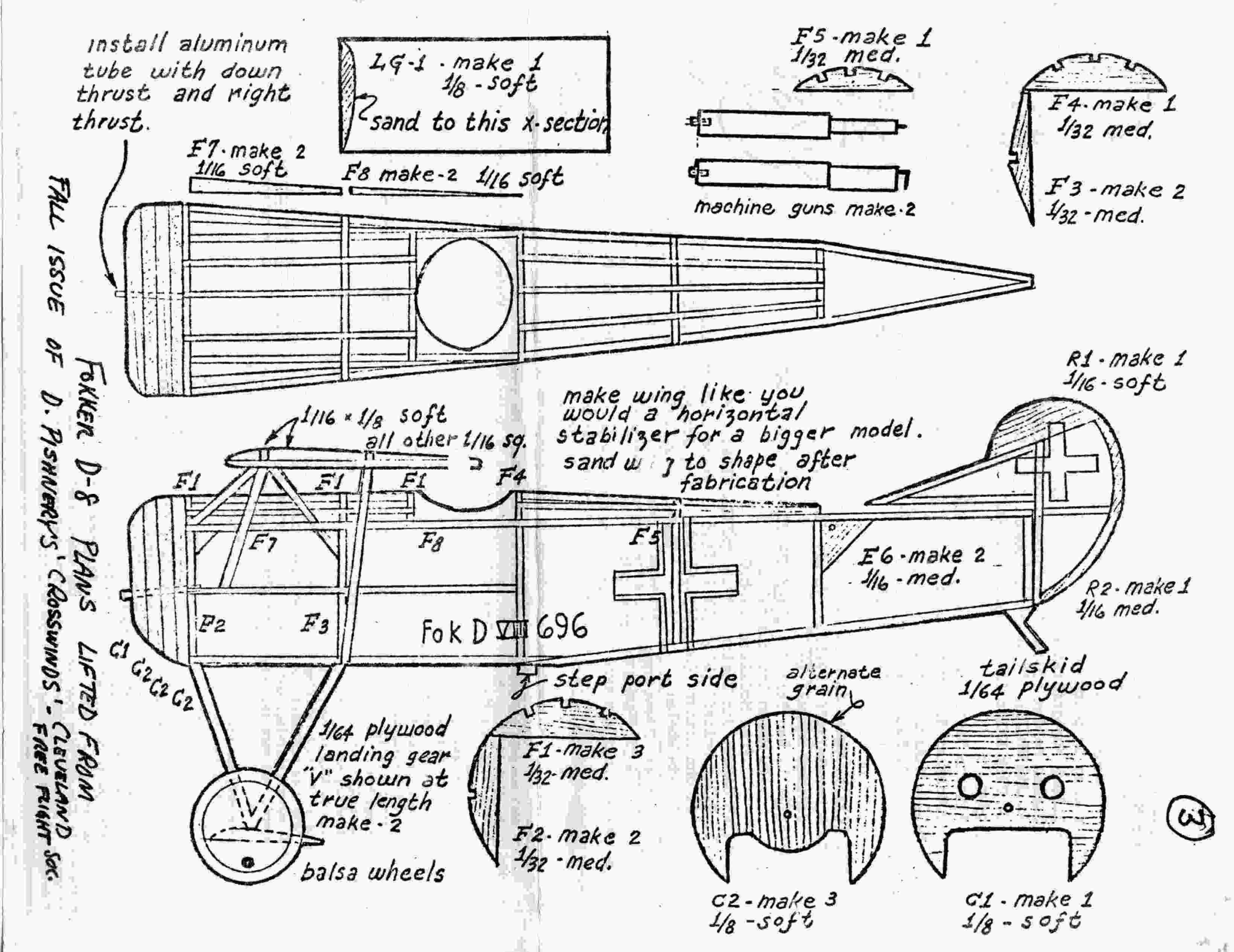
Laying the film down on the frame to be covered requires that it be loose, so it can drape over the ribs. It is best to choose a hoop of film that is four inches wider than the frame to be covered to allow two inches on either side. The simplest covering procedure is to lay the back of the hoop two inches behind the trailing edge. While holding it in place with one hand, lower the other edge until film is just above ribs, and then begin to push in on the hoop in order to loosen film. As you continue bringing the hoop down, push in just enough so that the film will lay on the ribs without distorting them. When the second side is down blow on the film around the wing and it will stick to the ring of water around the outside of your piece to be covered. Before you let go of the hoop to reach for your microfilm cutter, make sure the film is stuck well enough so that the pull of the hoop won't tighten the film over your covered frame. Lift the hoop slowly from one end to the other, carefully watching to see the film is really loose from the frame. Next carefully check around the edge of your covered part to be sure the film is brought down upon your spar by the solution around its edge. Where it need to be pushed down, use a well moistened soft brush.

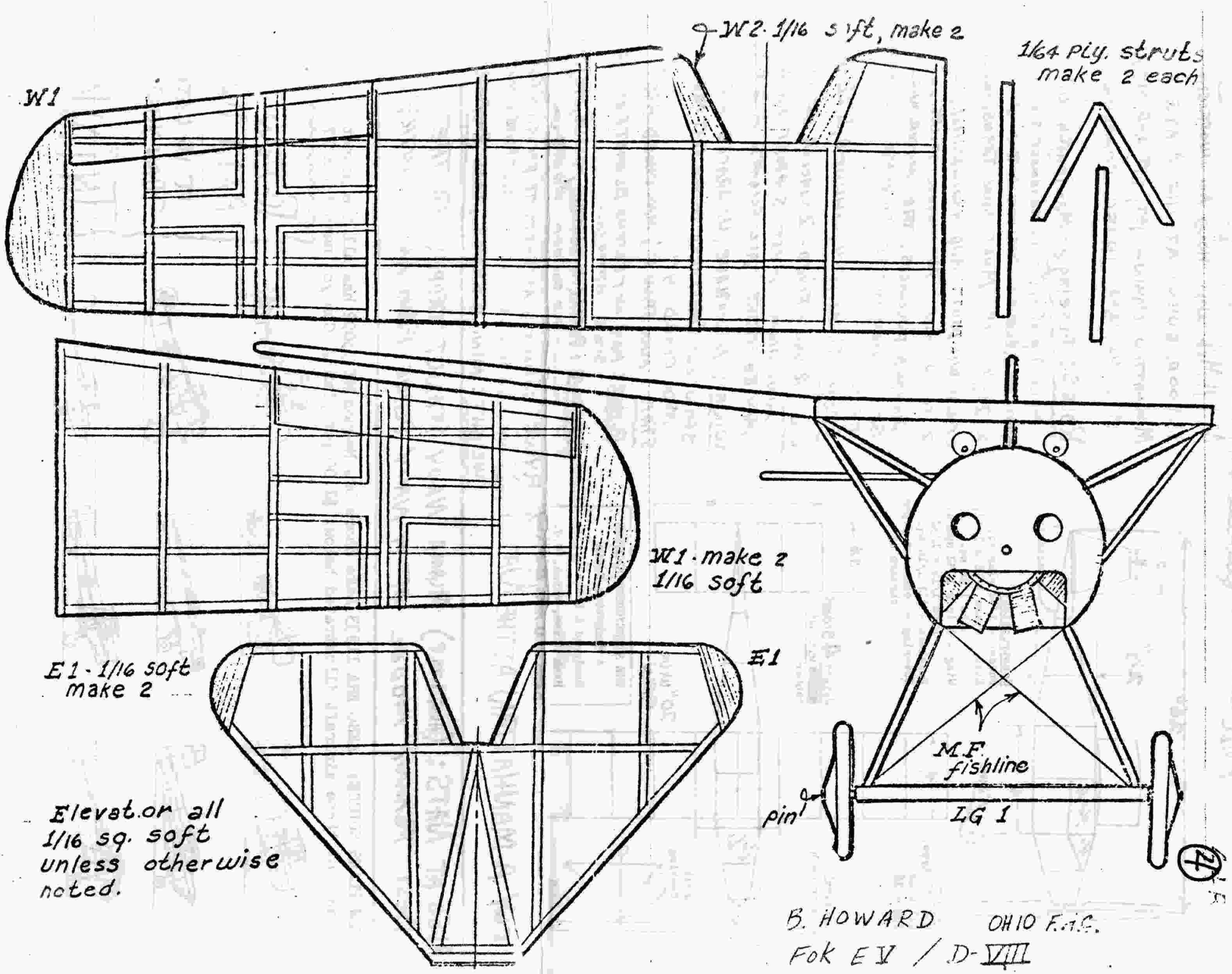
One indoor modeler I know runs one quarter inch masking tape near the hoop edges. Then he cuts the film away from the hoop edges and the film can now easily drape over the ribs. Another built a special covering frame that had thin flexible ends. This had to be covered with microfilm from a regular hoop. Before covering, the flexible ends were bowed enough for the part to be covered, with the bowed ends held so by a piece of thread.

Whatever procedure you use to cover, make sure the surface inside of your wing or tail is dry. A sudden jar can cause the film to bounce down and stick. THAT'S TROUBLE.






install aluminum tube with down thrust and right thrust.
LG-1 · make 1 1/8 - soft
sand to this x-section
F5 - make 1 1/32 med.
F4 - make 1 1/32 med.
F3 - make 2 1/32 - med.
F7 · make 2 1/16 soft
F8 make-2 1/16 soft
machine guns make-2
R1 · make 1 1/16 - soft
1/16 × 1/8 soft
all other 1/16 sq.
make wing like you would a horizontal stabilizer for a bigger model. sand w] to shape after fabrication
F1
F1
F1
F4
F7
F8
F5
E6 · make 2 1/16 - med.
R2 · make 1 1/16 med.
F2
F3
Fok D VIII 696
C1 C2 C2 C2
step port side
alternate grain
tailskid 1/64 plywood
1/64 plywood landing gear "V" shown at true length make - 2
balsa wheels
F1 - make 3 1/32 - med.
F2 · make 2 1/32 - med.
C2 - make 3 1/8 - soft
C1 - make 1 1/8 - soft
FOKKER D-8 PLANS LIFTED FROM FALL ISSUE OF D. PISHNERY'S 'CROSSWINDS' - CLEVELAND FREE FLIGHT SOC.
3



B. HOWARD OHIO F.A.C.

Fok E V / D-VIII

Other Clubs & publications, Please copy or

(5)

M.I.A.M.A. WILL HOLD AN UNOFFICIAL INDOOR EVENT AT THE NATS - MANHATTAN CABIN - 1ST, 2ND, 3RD OPEN 1ST, 2ND, 3RD JR/SR COMBINED.

RULES: Fuselage: Max length 20" From tip of nose to rearmost structure. MUST BE ABLE TO ENCLOSE A BOX 2" X 2½" X 4". MUST HAVE TRANSPARENT CABIN WINDOWS AND A WINDSHIELD OF 2 SQ. IN. MIN. NO MOTOR STICKS, OR DIAMOND FUSELAGES. THE MOTOR WILL BE ENCLOSED IN THE FUSELAGE & SUPPORTED BY IT.

PROP: FIXED PITCH, SOLID WOOD, EZB TYPE

L.G. RIGID & FIXED. 2 WHEELS OF 1" MIN. DIAM. MUST SUPPORT PLANE - MAY BE TRIKE. ALL FLIGHTS ARE R.O.G.

WING: MONOPLANE, UNBRACED, MAX. SPAN 20" (MEASURED BY THE FLAT METHOD) MAX CHORD 4"

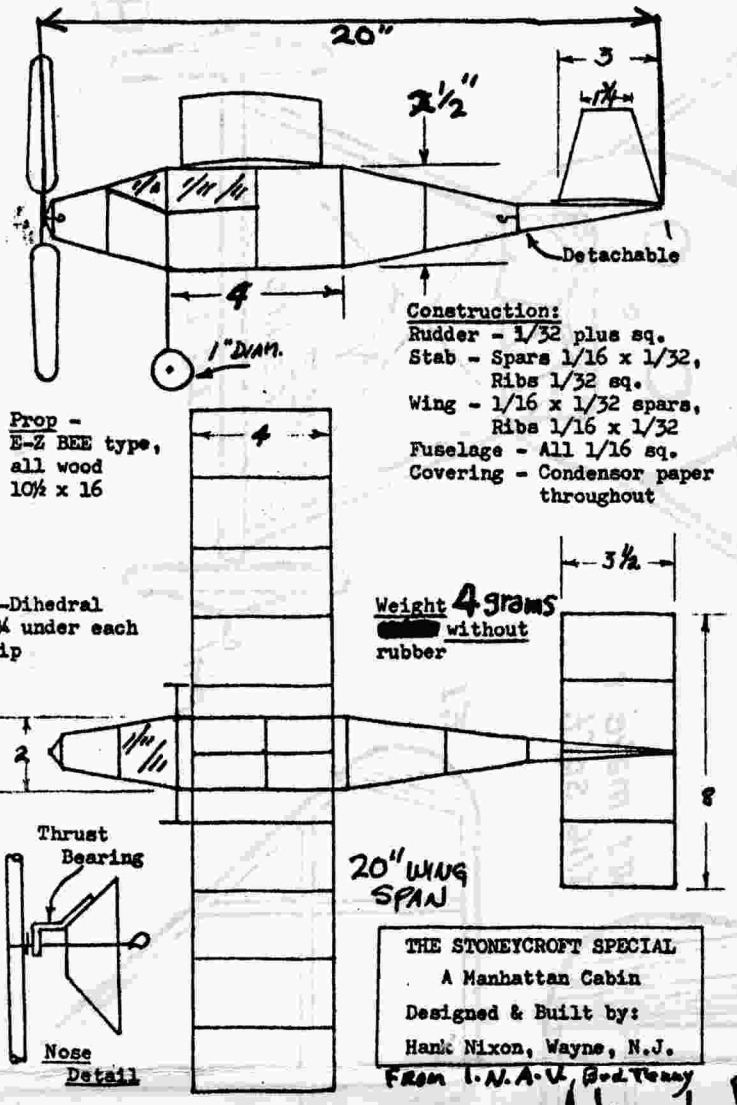
STAB: MAX. SPAN 8", MAX CHORD 3½"

RUDDER: MAY NOT EXTEND BEYOND T.E. OF STAB SIZE OPTIONAL.

COVERING: PAPER (CONDENSER, TISSUE, ETC) NO PLASTIC OR POWDER FILMS.

FLYING: UNLIMITED ATTEMPTS TO RECORD 5 FLIGHTS LESS THAN 20 SEC. IS ATTEMPT. BEST FLITE COUNTS

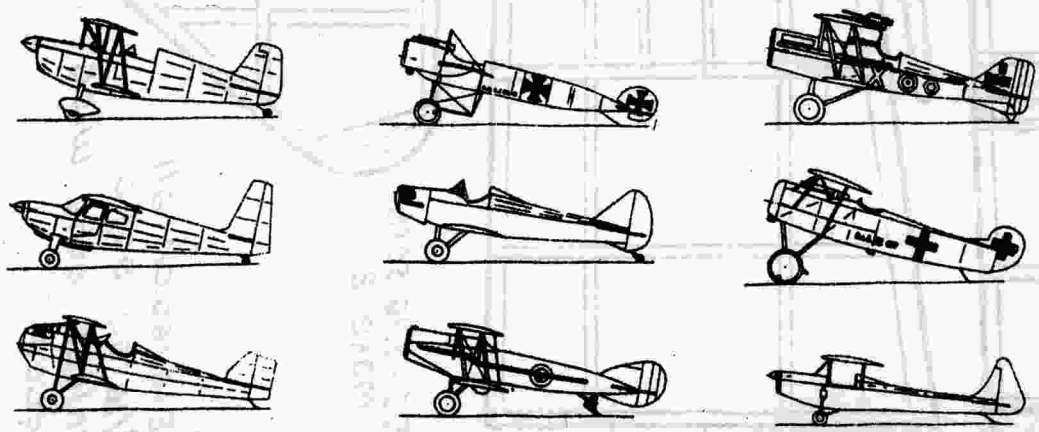
WEIGHT: MIN. 4 GRAMS, LESS RUBBER



FLY A MANHATTAN AT THE NATS!

ALSO AT NATS: (AUG 1 TO 8) MIAMA NAVY PEANUT TROPHY TO THE BEST PEANUT MODEL OF A NAVY PLANE FROM ANY COUNTRY.

NEW PLANS SOURCE: AERO ERA 11333 Lake Shore Dr. Mequon WI 53092 has all the peanut plans of those aircraft illustrated below. $1.00 per plan. Can you name 'em all?



RENEW AMA DUES

IT IS LATER THAN YOU THINK

MIAMA MEMBERS AND DOC MARTIN HONORED BY DIST. V AMA. AND V.P. JIM McNEILL:

Surprise, surprise. It seems that all the local activity has not gone unrecognised. The past three years Park and Recreation Dept. program, the growing indoor club membership, the awards, the banquets, the 3 outdoor meets and the 24 (Twenty-four!) indoor meets, the 20 fly-ins, the 30 issues of Hnagar Pilot (Yep, this is issue #30), and the many buzz sessions at LUMS must have been noticed. At the Jan. 11th Fly-in our AMA V.P. was on hand, as advertised. JIM McNEILL was everywhere, shakin' hands and meeting the folks. After the usual hangar session at Lums we repaired to the Grove for the club meeting, and movies. Mc Neill addressed the gang, and then pulled the surprise...He presented Doc Martin with a beautiful, and hugh trophy as DIST. V, AMA's MAN OF THE YEAR. How about that? In addition to this honor for the club president, many other MIAMA club members were recognised by Jim and he awarded Contest Director status, Judge, and leader member status to them. In the excitement I didn't get all the details, but the following are now either leader members, Judges, Contest Directors, or a combination of these titles with the low, 4 digit AMA number to add to the distinction: DUKE DONOVAN, JOHN ARTHUR, ROMAN SZYMULA, BILL HISCOCK, ERNIE CLARK, DAN KILGORE, JIM STEWART, JIM WHELAN,AND FULTON HUNGERFORD. Congratulations, men, and thank you Jim McNeill and all the Dist. V AMA personnel that saw fit to honor us.

THE FLORIDA HALL OF FAME · STATE INDOOR RECORDS

CATAGORY I Up to 35 feet in height is AMA Cat I. These records were established in the Youth Fair . MIAMA hasn't had a contest in a Cat I site in over 2 years.

	PEANUT SCALE: (3 flight total)	3:53.1 Russ Dorsey	5/27/73
	SCALE:	1:48.7 John Martin	3/18/73
	EZB:	6:52.5 Gary Myers	11/18/73
	STICK;	8:25.0 Gary Myers	4/15/73
	PAPER STICK:	10:54.2 Jim Richmond	1/14/73
	PENNY PLANE:	6:51.3 Dick Hardcastle	4/16/72
	GLIDER:	62.0 Dick Hardcastle	4/16/72
JR/Sr Class:	SCALE:	41.1 Karl Gebhart	4/15/73
	EZB:	6:03 Rick Myers	5/28/73
	PENNY:	4:59.0 Rick Myers	2/11/73
	GLIDER:	Mark Bailey 39.8	4/16/72

CATAGORY II. Bothe JFK gym and the Goodyear hangar are AMA Cat. II sites. The girders at JFK ar about 30 ½ feet, but the roof is 40 feet and the distance must be measured to the roof even though you can't fly to it. The girders at Opa Locka are at 69½ feet and there are a couple of feet more to the absolute ceiling.

	PEANUT SCALE: (2 flight total)	2:52.0 John Martin	5/25/75
	SCALE:	1:51.6 John Martin	5/26/74
	EZB:	11:02.1 Roman Szymula	11/30/75
	STICK:	19:11.0 Dan Belieff	12/28/75
	PAPER STICK:	11:48.0 Dan Belieff	12/28/75
	PENNY PLANE:	7:51.0 Gary Myers	3/16/74
	MANHATTAN CABIN	2:32.2 Jim Whelan	12/28/75
	GLIDER	101.9 Ric Choate	4/28/74
JR/SR class:	Scale	51.0 Chas. Slater	
	EZB	10.07.2 Chas. Slater	3/16/75
	GLIDER:	57.6 John Arthur Jr	11/30/75
	PENNY PLANE:	6:20.9 Chas. Slater	1/19/75

There they are, gang. Pick out the easiest to beat and go after it. Win yourself a wall certificate suitable for framing, and cover yourself with glory.