

# RCMW-FSP

September 2015



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Cover Painting from Air Trails August 1952

# For the Model Bulder and Flyer - September 2015 Issue



Full  
Size  
Plans



As our regular readers know, this issue is a bit late it being the second week of September instead of the first week of each month as is our regular schedule. Just returned from a nearly two week trip to Alaska, and preparations got in the way of finishing the September issue before leaving.

It was a great trip on a small ship that could get into places where the big cruise ships couldn't, and we saw lots of wildlife and had chances to hike in the wilderness and see glaciers, whales, seals, otters and all of the other things not seen much in central Illinois except in zoos.

I won't show vacation pictures but it was a good trip that we had wanted to do for several years and just decided to do it before we got too old to appreciate it.

Now back to model airplanes. First up is a nice little model called HALF-PINT by Bill Tyler that appeared first in the August 1947 issue of Air Trails and that originally used the Herkimer (OK Cub) CO2 motor. Would make a good small electric RC job.

Next is COQUETTE, a cute engine powered Biplane by well known British modeler Vic Smeed. This appeared in the July 1950 issue of Aero-modeller magazine.

How about a classic UC stunt model, the SMOOTHIE by Bob Palmer? It appeared first in the August 1952 issue of Air Trails.

Next in line is the TEXAS AG-1 by Paul Palanek, a scale free flight model of the spray plane that I believe was designed by Fred Weick, the same engineer responsible for the Ercoupe and the Piper Cherokee. From August 1952 Air Trails

Next up is Roy Clough's FLYING SAUCER, a free flight novelty by the fellow who specialized in unusual and interesting models. Also from August 1952 Air Trails.

And finally SIMPLE FLYMAN, a easy 1/2A UC trainer from Aubrey Kochman, another regular contributor to the magazines. This one would be great for teaching a kid to fly U-Control, simple and rugged. This too from August 1952 Air Trails

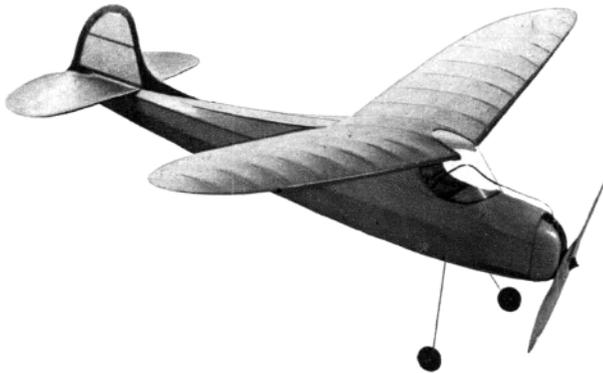
We're trying a new idea with this issue. For the HALF-PINT and COQUETTE we include the construction article in this issue of RCMW the same as we have done for the last couple of years. But for the rest of the models, since they all came from the same issue of Air Trails magazine, we have included a link so that readers can download the complete August 1952 issue. That way you get to see a brief tour of model airplane history with the other articles, editorials and advertisements. Just look at those 1952 prices !! Let us know if you like the idea of being able to download complete issues of these old magazines to get the construction articles. Send me an email at [cardinal.eng@grics.net](mailto:cardinal.eng@grics.net)

Roland Friestad, Editor

# HALF-PINT

by  
Bill Tyler

**This model appeared in the August 1947 issue of Air Trails and was one of the early designs to use the new Herkimer CO2 gas motors. It would make a good electric or CO2 powered Micro RC job.**



At last, a gas model that can literally be carried around in a hat box. Furthermore, it's really the first gas model in the true meaning of the, word, as carbon dioxide, the engine "fuel," is a gas and not a liquid as is used in the conventional type of gas model engine.

The peanut-size Herkimer CO2 engine, which we used for the first time on this model, is not a two-cycle internal combustion engine, nor can it be called a diesel or compression ignition type.

Engineers would term it an "expansion-type reciprocating engine" as it is the energy of the expanding carbon dioxide gas that provides the power for turning over the crankshaft.

Don't be fooled by the small size of this engine. While the overall height is only 1-3/4", and the displacement is but .0178 cubic inches compared to .099 cubic inches — the displacement of the current smallest Class A engines — the little CO2'er really gives out with much power.

Strobotac tests have clocked it at over 7,000 r.p.m. using a 7"-diameter 3"-pitch prop. It has power plus, and will successfully fly models up to 40" wingspans with wing areas of 140 square inches.

For the experimental-minded modeler, the CO2 engine offers all kinds of possibilities. Because of its consistent performance (each cartridge contains the same charge of gas), many interesting tests can be conducted.

By using the same prop for all experiments, accurate comparative tests can be made on different type airfoils, fuselages, etc.

The small size of this engine lends itself beautifully to completely enclosed cowlings as you don't have to allow for cooling or air intake openings.

For radically designed models, the ones you always sketch on paper but never dare build, the CO2 engine is the answer. Flying wings, pushers, canards, or what have you, can be fully exploited in a small economical size before time and supplies are wasted on large "full-scale" models.

This procedure can even be followed by builders of large six-foot Class C models. A half size CO2 powered model can be made of a new design and fully developed in small size before building the big brother.

This method of testing is done on real aircraft and now can be done with CO2 powered models to eliminate design and structural defects before going full-size.

It was in line with the above thinking of testing a new proposed design in a smaller size before building the full-scale ship that Half Pint was built.

We wanted to test our latest Class B brainstorm that had a wingspan of 56", so in laying out Half Pint for the CO2 engine, we made the wingspan exactly 28" and scaled our full-size plans to one-half the original size, and we found that this new method of testing a "model of the model" really works.

Half Pint, with a few minor adjustments, amazed us with its flying ability and will amaze you too. You will be more amazed at how easily and quickly you can build a model of this size. It is no more complicated than a simple, rubber-powered model.

The fuselage is built around a basic square framework of 1/8" square stringers and is completed by adding the turtledeck structure and nose fairing.

Note that the under section of the fuselage, where the cartridge holder is located, is sheeted with 1/8" soft balsa and a hole is cut in this section to house the holder.

Finish off the fuselage by adding the firewall which is built up from two 1/32" plywood faces and 1/8" balsa core. Before adding the firewall to the fuselage structure, locate the mounting holes and attach the motor using #3 round head bolts.

Now carve the cowl from a solid block of soft balsa and hollow the inside to house the motor. Dress snaps can be used to make the cowling detachable.

Locate the cartridge holder within the fuselage before covering and try to avoid any sharp bends in the copper tubing that might cause an unsteady flow of gas while the engine is in operation.

The landing gear is bent from 1/16" piano wire and cemented securely to a 1/32" plywood sheet backed up by a 1/8" sheet gusset. All landing gear dimensions can be obtained from the drawing.

The tail surfaces are cut from 1/8" balsa and follow standard gas model construction. In assembly, the stabilizer must be cemented to the fuselage first and then the rudder placed in position. Cement all joints of both the rudder and stabilizer securely to prevent warpage.

The wing was built by what we call the "quickie" process. Instead of plotting out a lot of ribs as is usually required in making a tapered wing, we used a method that was introduced to outdoor modelers by indoor builders:

A wing rib template is cut from thin sheet aluminium or tin the width of the maximum wing chord. Using this template as a guide, a series of top ribs are sliced from sheet balsa. On a model of this size, the top ribs were cut from 1/16" sheet balsa by 3/32" deep.

Lay these ribs aside and now form the wing spar. Place strips of 1/32" x 3/32" balsa on your wing drawing at each wing location and pin in position. This forms the bottom part of the wing ribs.

Cement the wing spar in place. Add leading and trailing edges, then the tips. Once this is done the upper part of the rib can be added over the top of the wing spar.

When this wing half is dry it can be removed from the drawing board and the other half wing constructed. The center section is added last.

This method of construction is much faster than cutting out tapered ribs and is very easy to do once the knack of slicing ribs with a template is mastered.

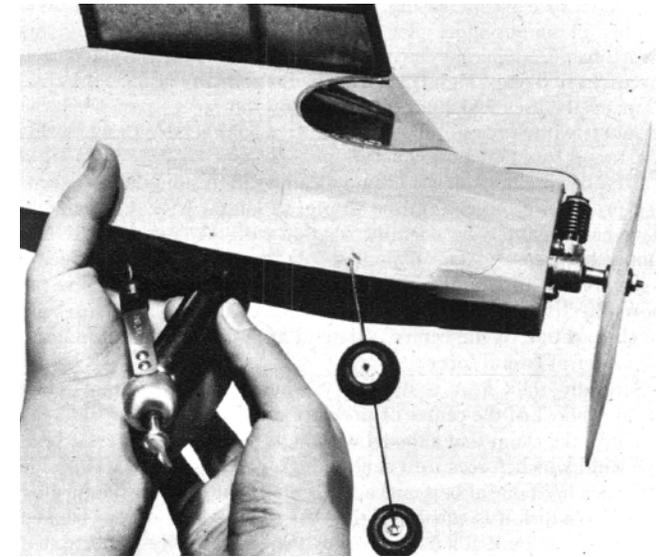
The windshield is cut from .016 celluloid sheet, using the half pattern shown on the plan as a template. Once the wing has been cemented to the fuselage the windshield can be added in position.

It is best to attach it first to the center section of the wing, then to the nose of the fuselage and finally to the sides. Masking tape may be used to hold the celluloid in place while drying.

The original model was covered with light Silkspan and the fuselage doped yellow while the wing and tail surfaces were colored green. To keep weight to a minimum we dyed the Silkspan used on the wing and tail surfaces by dipping the tissue in a solution of green aniline dye and water. Remember, Silkspan can be worked wet. Aniline dyes can be obtained in most local drug stores.

Before test flying your model, check carefully to see that all surfaces are free from warps

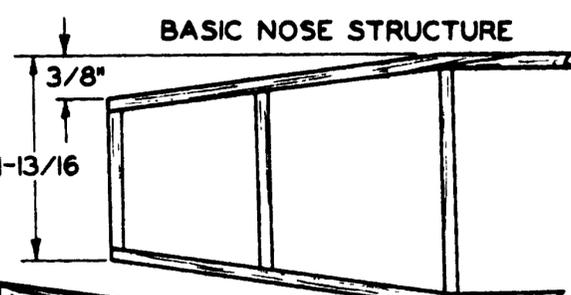
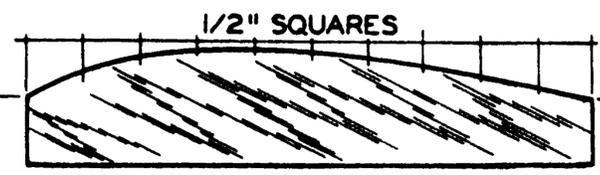
and are properly aligned. Check to see that the center of gravity is located at approximately the same point as the wing spar. Next, try a couple of glide tests and make any minor adjustments necessary for proper balance.



Don't forget that a cartridge should be placed in the cartridge holder and that a prop should be attached to the engine during these preliminary tests. The cartridge holder is held in the fuselage by an elastic band attached to two small hooks on the bottom of the fuselage.

When you are satisfied that the model is in flying balance then try a test flight. Do not use the full cartridge charge on this test flight but allow at least the maximum power portion of the engine run to be exhausted before hand launching the model. You may find that the model will tend to stall under power. If so, a small amount of down thrust should be added before flying the model with the engine wide open. You may be sure the Half Pint will give you a barrel of fun!

COVER WITH LIGHT SILKSPAN ORIGINAL MODEL-GREEN WING AND TAIL SURFACES - FUSE - LAGE DOPED YELLOW

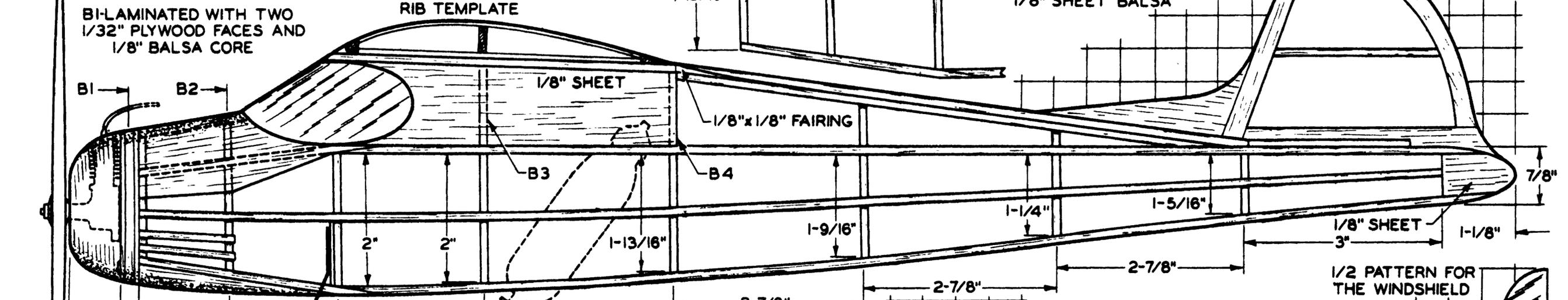


MOUNT STABILIZER FIRST THEN ADD THE RUDDER

RUDDER FORMED FROM 1/8" SHEET Balsa

1/2" SQUARES

BI-LAMINATED WITH TWO 1/32" PLYWOOD FACES AND 1/8" Balsa CORE



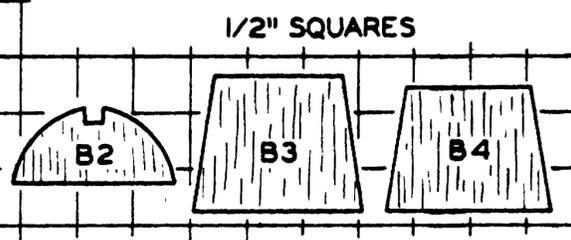
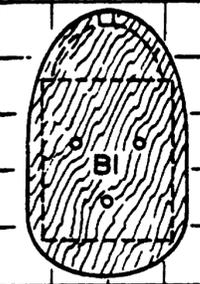
USE 7" DIA. PROP WITH 3" PITCH

POSITION OF CARTRIDGE HOLDER

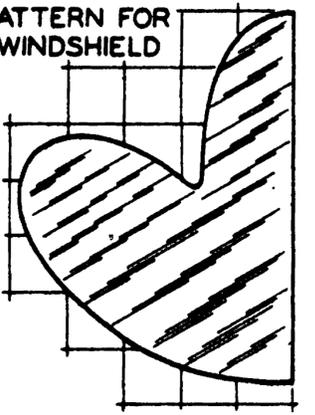
1/8" SQUARE HARD Balsa USED FOR THE FUSELAGE

HOLE CUT IN BOTTOM FOR CARTRIDGE HOLDER

1/8" SOFT SHEET TOP AND BOTTOM



1/2 PATTERN FOR THE WINDSHIELD



COWLING CARVED FROM SOFT Balsa

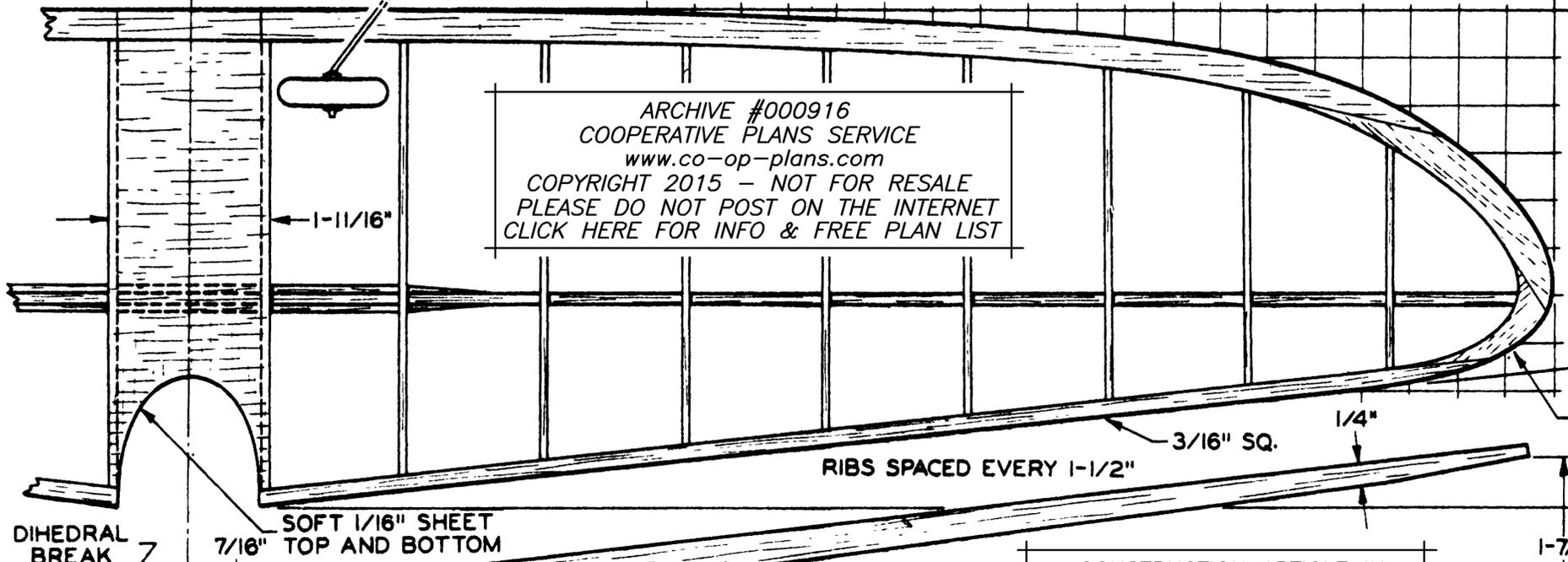
SIDE STRINGER

CUT TRAILING EDGE FROM 1/8" SHEET

EACH SQUARE EQUALS 1/2"

WING SPAN - 28" LENGTH - 22"

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RIBS SPACED EVERY 1-1/2"

CUT WING SPAR FROM 1/8" HARD Balsa

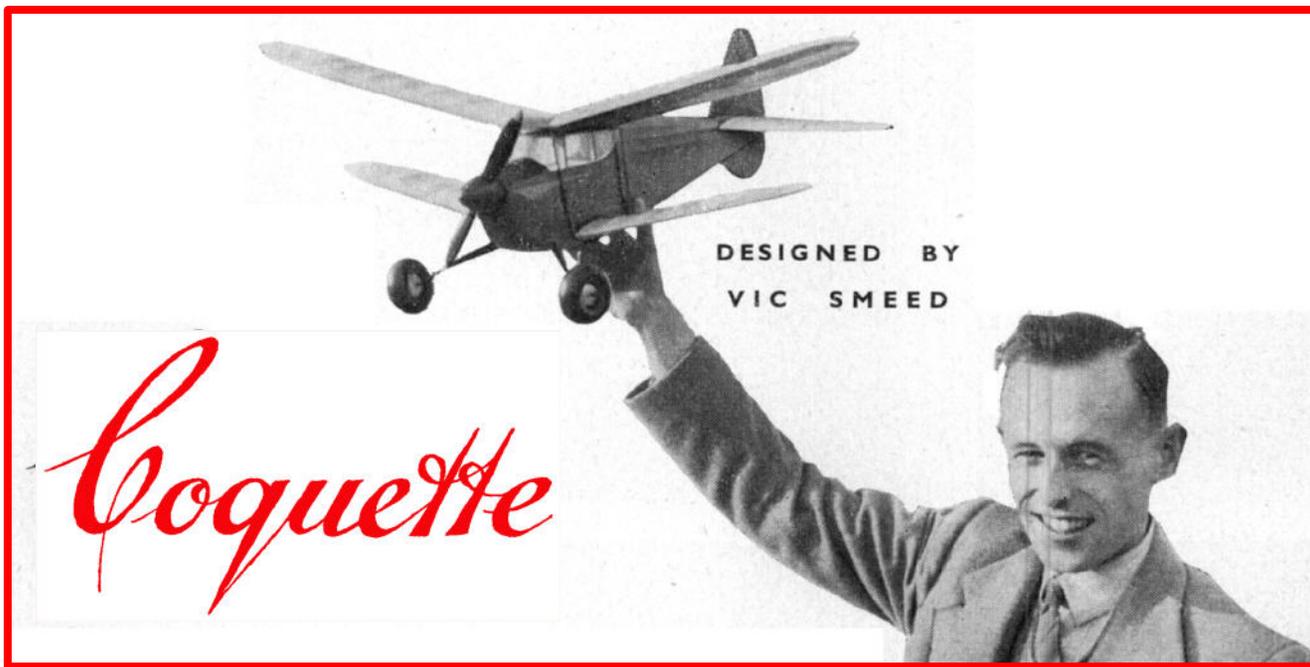
GUSSETS - 1/16" HARD Balsa

CONSTRUCTION ARTICLE IN RCMW-FSP SEPTEMBER 2015 www.fullsizeplans.com CLICK HERE TO GO TO WEBSITE

CUT TIPS FROM 1/4" SHEET Balsa

COVER NOSE WITH 1/32" SHEET Balsa

STABILIZER FORMED FROM 1/8" SHEET



**Vic Smeed is best known, at least in the USA, for his TOMBOY design. But he was a prolific designer of models and this attractive biplane that appeared in the July 1950 issue of Aeromodeller is just one of many.**

COQUETTE was designed to be a rugged little biplane, simple, but good-looking, that would supply hours of enjoyment to the chap who flies for fun rather than for pots.

It appears that only about 20 per cent. of this country's aeromodelling population are interested in a climb resembling that of a she-angel resisting the improper advances of Lucifer—most builders aren't particularly contest-minded, but want rather realism and a model that won't give them a two-mile trot each time it takes the air.

The vertical ascent and super-floating descent were not major considerations in this design, and the result is a docile, easily-trimmed job that will still turn in ratios of 3 or 4 : 1 in late evening air.

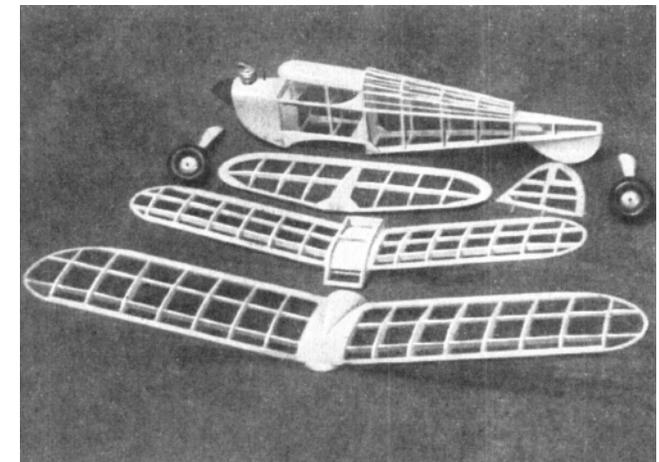
The ruggedness and simplicity are there, too, and good looks are only a question of taste after all. All round, Coquette is a job that can be undertaken with confidence by anyone who has produced one successful power model, and it was in fact designed to be within the scope of the relative beginner who wishes to break away from the normal monoplane lay-out.

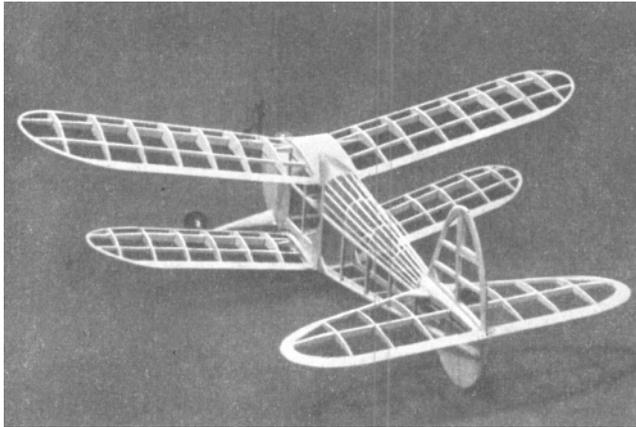
The following notes are written with this type of builder in view, and more experienced modellers are asked to excuse the somewhat lengthy treatment of some of the phases of the construction.

Biplanes have been long neglected, due, in all probability, to the apparent tediousness of constructing a second wing and exaggerated difficulties in flight trim. Well, a biplane has to have two wings, and since they have to be made, any tediousness should be attacked in the design.

Coquette's wings are simple to a degree, and if all the ribs are cut at one time and the wings built together, stage by stage, the extra work just isn't noticed. As for trimming troubles—four different biplanes (petrol and rubber) by the designer have required no change whatsoever from the original drawings, and Coquette, the first diesel-powered one, needed only one pinch of shot at the tail.

In view of the popularity of the E.D. "Bee", the model was designed round this motor, using the normal upright mounting. Inversion would improve the looks immeasurably, and there is ample room within the cowling for this type of installation.





Motors of •6 c.c. upwards may be used, and the model seems quite capable of handling anything up to the Mills 1-3. It should be stressed that no larger motor than the Bee has been tried (the writer's second model, nylon covered, has a Mills •75) but there is no reason to think that a little more power would produce viciousness.

The climb with a Bee using an 8 x 4 ins. plastic prop is in the order of 400-500 feet per minute. With a wooden 8 x 4 ins. this rate is almost doubled, with no change of trim.

The glide is pleasingly flat—the model's size makes it appear to scud along, but in actual fact the speed is low.

Long, scaly take-offs and cushy landings result from the arrangement of the landing gear, which gives a ground attitude approaching the flying position. The original has landed in all sorts of terrain and has never once turned on its back.

Among other advantages are the modest outlay required—a maximum of 12s. 6d., including dopes, but excluding wheels, motor, and prop.—and the fact that the whole job will pack in a box measuring only 30x6x5 ins.

In general, the structure is very straightforward, but intending builders should be careful to pick only medium balsa throughout, with the exception of the fuselage longerons and spacers, which should be hard. The same degree of strength could obviously be achieved by harder, smaller sections, but the large, medium-strength components offer more cementing area, easier work, and a greater resistance to warping.

By careful grading of material the model could be built down to under 9 ozs. without sacrificing material strength. This would naturally boost performance, though the original flew very nicely at 14 ozs., a weight which was achieved deliberately as being as heavy a model as would probably be produced by other builders.



Of the 14 ozs. almost an ounce is accounted for in dope. The model lends itself to a nice finish and doesn't set out to be a duration job, so why not bring it to a good gloss? With ailerons etc. marked in, and with civilian registration, it would bear some resemblance to such delightful machines as the Avro Commodore and the cabin Wacos of the mid '30s.

For anyone who really cannot face the prospect of two wings, the designer is "cautiously optimistic" as to results using the upper wing only. The lower wing attachment panels should be built into the fuselage and an extra rib added to each side of the upper wing, increasing the span to 33-1/2 ins. The same construction should be used otherwise.

Fully detailed building instructions are available with the plan.



A 30" SPAN SPORT BIPLANE

# COQUETTE



DESIGNED BY  
**V. E. SMEED**  
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**3/6**

**THE AEROMODELLER PLANS SERVICE**  
38, CLARENDON ROAD, WATFORD, HERTS.

**DATA.**

SPAN (UPPER).....30"  
(LOWER).....24"  
WING AREA.....210 SQINS  
FOR .75 - 1.3 CC ENGINES  
ALL UP WEIGHT.....1 1/2 OZS  
DECALAGE.....+4°

**MATERIALS REQUIRED**

SHEET.	2 STRIPS OF 3/16" x 1/2" x 36" MED Balsa
1 SHEET OF 4 1/2" x 1" x 3/4" MED Balsa	2 " " 1/2" x 1/8" x 36" " "
STRIP	3 " " 1/4" x 1/8" x 36" " "
2 STRIPS OF 1/16" x 3" x 36" MED Balsa	3 " " 1/8" x 1/16" x 36" " "
1 " " 1/8" x 3" x 36" " "	6 " " 1/8" x 1/8" x 36" HARD
1 " " 1/32" x 3" x 18" " "	24 OF 14 SWG PIANO WIRE 14 SWG TUBING
1 " " 1" x 1/2" x 4" " "	8 x 1/4 x 3" SCRAP Balsa, CELLULOID
3 " " 3/16" x 3/16" x 36" " "	6 x 1/8" DOWEL, FIBRE TUBE, BEARERS ETC

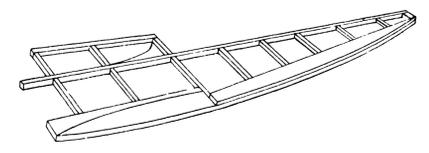
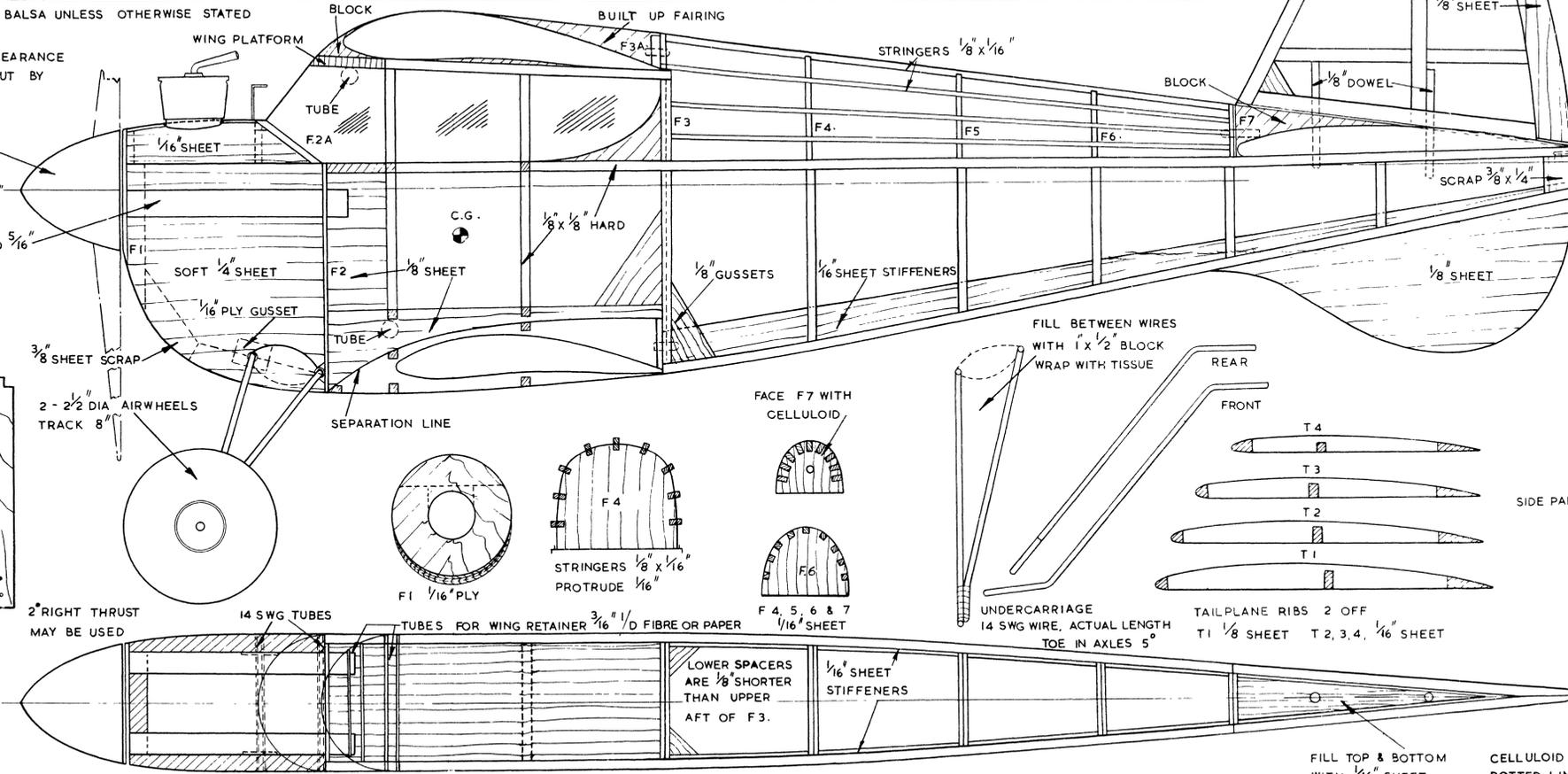
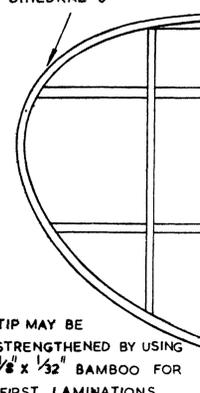
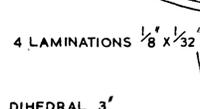
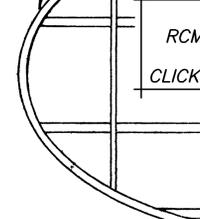
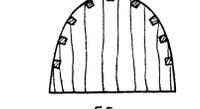
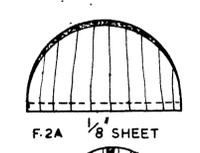
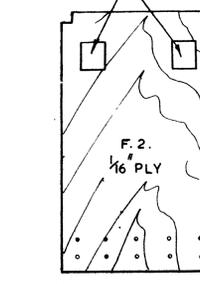
ALL WOODS ARE MED. Balsa UNLESS OTHERWISE STATED

IMPROVEMENT IN APPEARANCE MAY BE BROUGHT ABOUT BY INVERSION OF MOTOR

3/4" SPINNER

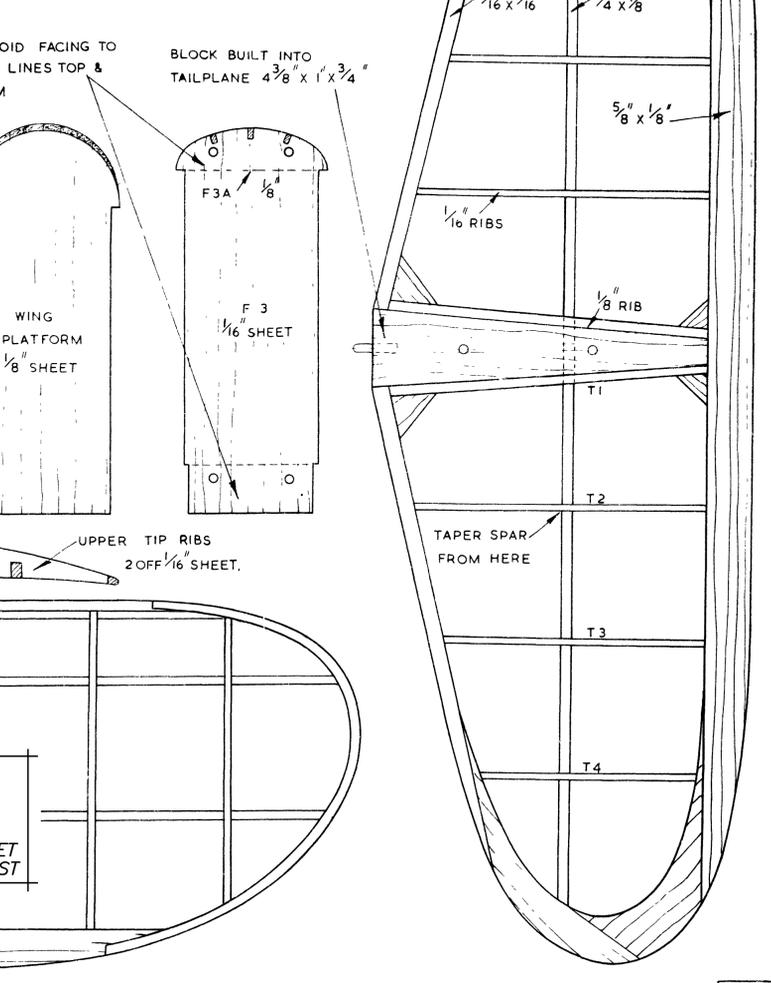
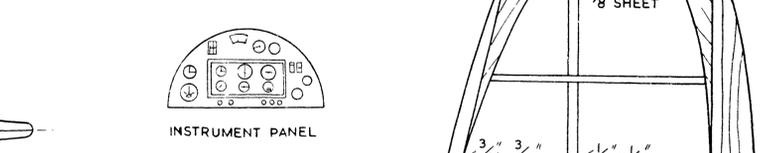
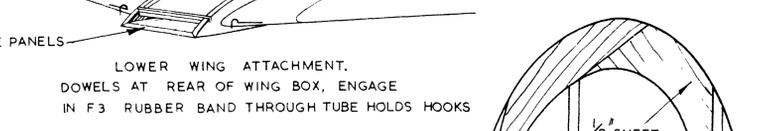
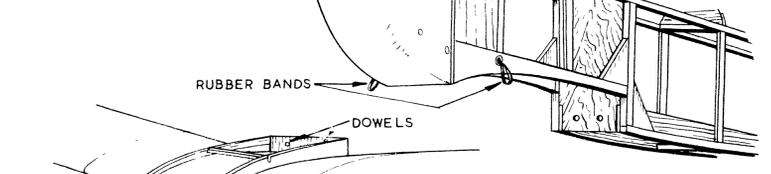
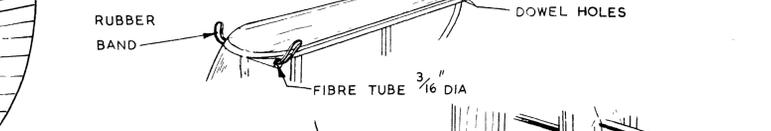
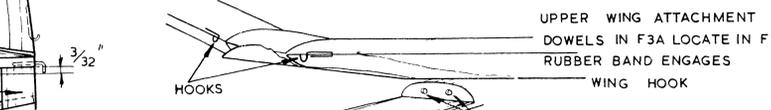
3/8 x 5/16" BEARERS BEARERS MAY BE 3/8 x 1/4" PACKED WITH 1/16 PLY TO BRING THICKNESS TO 5/16"

HOLES SPACED TO SUIT "ED. BEE"



## FUSELAGE CONSTRUCTION

- CUT LOWER WING MOUNT SIDE PANELS CUT ON SEPARATIONLINE & LIGHTLY CEMENT
- BUILD SIDES IN NORMAL WAY, BUILDING IN SIDE PANELS
- SEPARATE SIDES, ADD STIFFENERS & GUSSETS
- ASSEMBLE SIDES WITH F2 & F3 COMPLETE IN NORMAL WAY
- ADD BEARERS & SOFT 1/4 SHEET SIDE PLATES & F1, MOUNT 1/4 C TUBES & INSERT 3/8 COWLING FLOOR SAND TO SHAPE
- INSTALL MOTOR COVER TOP COWL WITH 1/16 SHEET, CUTTING ADEQUATE APERTURES FOR ENGINE OPERATION.



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1/16" I.D. ALUMINUM  
OR BRASS TUBING  
LINE GUIDES

SMALL SULLIVAN "NYLON" BELLCRANK

.020 LEAD OUT WIRES

NOTE: CARVE COCKPIT CANOPY AND TIP  
TANKS FROM SOFT 3/4" SQ. BALSA

WING TOP VIEW

ADD APPROX.  
1/2 OUNCE  
WEIGHT TO  
THIS TIP  
FOR WINDY  
WEATHER  
FLYING

Bill of Materials  
1 sheet 3/16" x 3" med soft balsa 1 sheet  
3 32 x 3 med soft quarter grained balsa 1 pc  
3/4 x 3/4 x 12 soft balsa 1 pc 1/8 x 1 1/2  
x 1 1/2 plywood 1 small Sullivan Nylon bell  
crank 1 small control horn 1 pc 1/16 dia  
wire 1 pr 1 dia hardwood wheels sanding  
cloth Trim Film, fuel proofer, silver dope  
cloth drape

Carve and sand the cockpit canopy and cement it in place. Before installing the bellcrank and control wires, apply at least three coats of sanding sealer to entire model with light sandings between coats.  
No colored dope was used on the original model except for the front portion of the canopy. This was painted silver to simulate clear plastic. All remaining trimming was done with Trim Film. The diamond design was cut from 1/2 red checkerboard sheets and the numbers and letters from black alphabet decal sheets. Apply a coat of fuel proofer over the entire model.  
Install the bellcrank in position, bend and install the 1/16" dia wire pushrod. Drill the holes for the lead out lines in the inboard tip tank and cement two short lengths of 1/16 dia tubing in these holes. .020 dia lead out wires are shown on the plans with safety hooks bent at both ends. This was done to eliminate soldering. However, heavy Nylon thread may be substituted for these wires.  
Attach wheels and engine and check balance. Add weight as required until your model balances at the point shown (which will keep the novice flyer out of trouble). It is well forward and will prevent excessive climbing as the model heads into the wind. As more experience is gained in flying your model, add weight a little at a time to the tail for snappier response to control movements.  
Control lines should not exceed 30 feet in length. .010 dia wire is about right but heavy Nylon thread may be used with little risk of breakage. Make your initial flights on a calm day. The engine offset will keep the lines taut under normal flying conditions, but in strong winds it is advisable to add approximately 1/2 oz weight to the outboard tip tank.

BEND SAFETY HOOKS

SLOT FOR RUDDER TAB

SHAPE WING FROM MEDIUM SOFT 3/16" x 3" SHEET. TRIANGULAR PIECE CUT FROM TIP IS ADDED TO CENTER TO FORM TAPERED WING

3/32" SHEET

1/16" DIA. WIRE PUSH ROD

1/8" WING THICKNESS AT TIP

TIP DETAIL

CLOTH HINGES

HINGE LINE

CUB .039

CONTROL HORN POSITION

3/32" SHEET RUDDER

STABILIZER

LINE GUIDES

PUSH ROD

WING

3-48 NUT & BOLT

WING

BALANCE

STABILIZER

BELLCRANK

1/8" PLYWOOD

3/16" SHEET REINFORCE WITH CLOTH

SIDE VIEW

MEDIUM SOFT 3/32" SHEET (QUARTER GRAINED) SIDES, TOP AND BOTTOM. USE SAME SHEET FOR STAB. & RUDDER

3/32" SHEET

1/8" PLYWOOD

1/16" DIA. WIRE

NOTE OFFSET THRUST LINE

FRONT VIEW

HOLD WHEELS IN PLACE WITH WHEEL COLLARS OR WASHERS SOLDERED TO LANDING GEAR

1" DIA. HARDWOOD WHEELS

TOP VIEW

TOP SHEET ENDS HERE

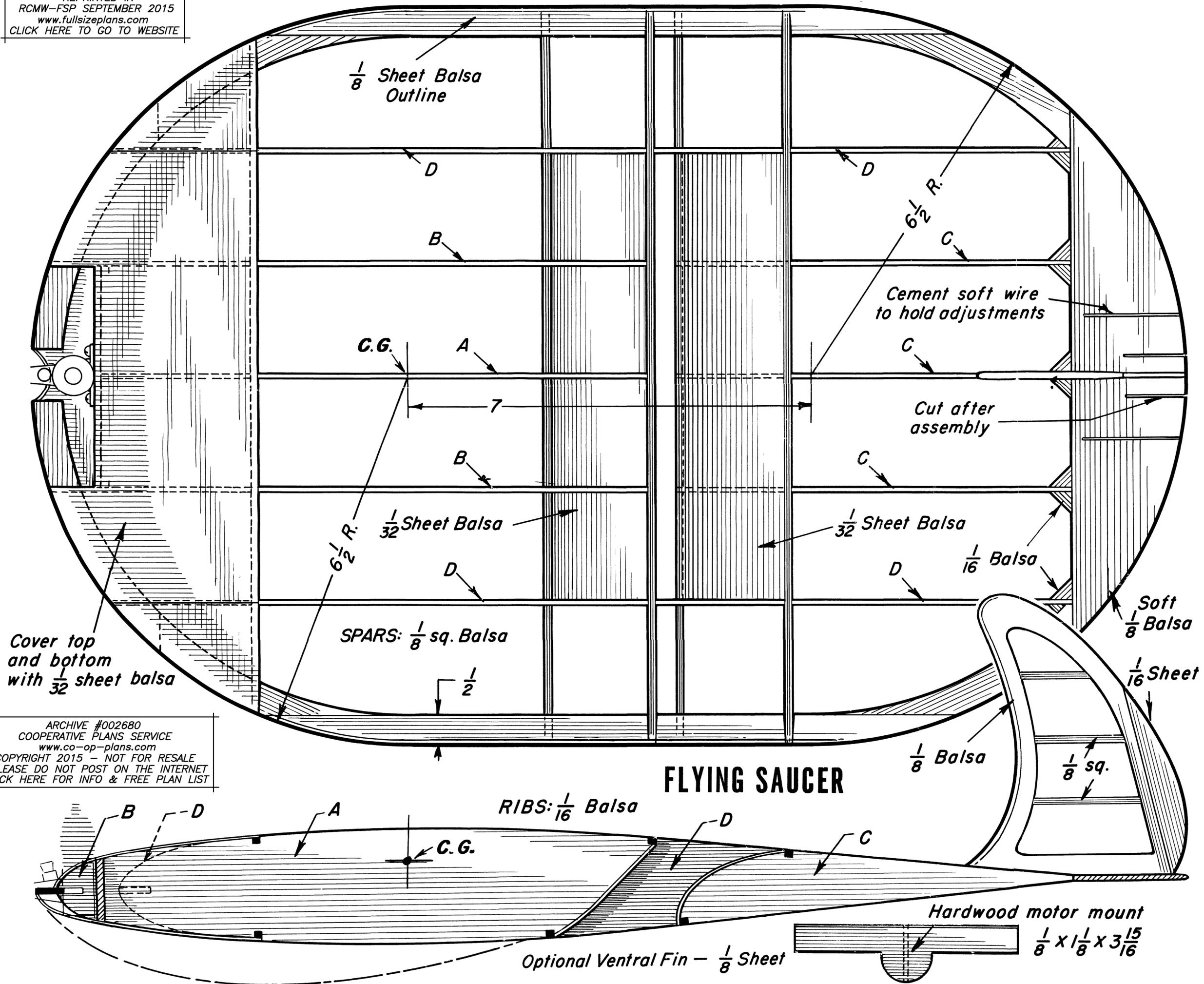
3/16" TAIL BLOCK

REPRINTED IN  
RCMW-FSP SEPTEMBER 2015  
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ORIGINALLY PUBLISHED IN  
AUGUST 1952 AIR TRAILS

Simple Flyman

REPRINTED IN  
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# FLYING SAUCER

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ORIGINALLY PUBLISHED IN AUGUST 1952 AIR TRAILS

# Download a Complete Issue of *AIR TRAILS Magazine*

As mentioned on the editorial comments on page two of this issue, I am trying out a new idea and would like to have the reactions and suggestions of the subscribers.

You will note that the construction articles for the HALF-PINT and COQUETTE designs are included in this issue. But the construction details for the other plans in this issue, SMOOTHIE, TEXAS AG-1, SIMPLE FLYMAN and FLYING SAUCER do not include the construction articles.

When selecting these plans for inclusion I came across the SMOOTHIE and noticed that the others in the August 1952 issue of Air Trails would also be of interest to our readers.

So instead of including the construction details for each plan I have uploaded the complete issue of the August 1952 Air Trails to a file transfer service called Mediafire.

The complete issue of Air Trails is too large to include embedded in this issue of RCMW because it would probably cause download problems.

But these new file transfer services have the ability to allow downloading of large files. They also have automatic correction features that allow a download to continue even if it is interrupted.

So, with that in mind, if you click on the link below you should be taken to the Mediafire website where you can download the entire August 1952 issue of Air Trails. It is about 32 megabytes, includes every page, and is a really interesting tour of model airplane history from the early 1950's.

Here's the link --- [CLICK HERE](#)

If you have problems please let me know by sending me an email at

cardinal.eng@grics.net

Also, even if you don't have problems, I would like to get your opinion on whether you think this is a good idea. Send me a message with your opinions and suggestions.

Thanks -- Roland Friestad, Editor

# October Coming *Attractions*

In the October issue we will have a review by Bob Aberle of the NEAT Fair held in September - You'll see it here first !!

Also, more of the HAMMER series by Dick Sarpolus. And more of our usual reprints of classic plans and kits.

Remember the recent FIZZ-WIZZ from the March 1962 Air Trails reprinted in our July issue? - Bob Aberle has adapted it into a Micro RC flyer as shown below. Watch for it.



# Old Model Airplane Magazines

If you're like me, you enjoy paging through model airplane magazines and plans, sometimes to find a project to build, to research a particular aircraft, or to just spend some pleasant time away from the daily grind.

If you like to build models, the magazines of today don't offer much since they are primarily expensive catalogs of ready-to-fly models. There's nothing wrong with RTF or ARF models but they don't offer much to interest model BUILDERS.

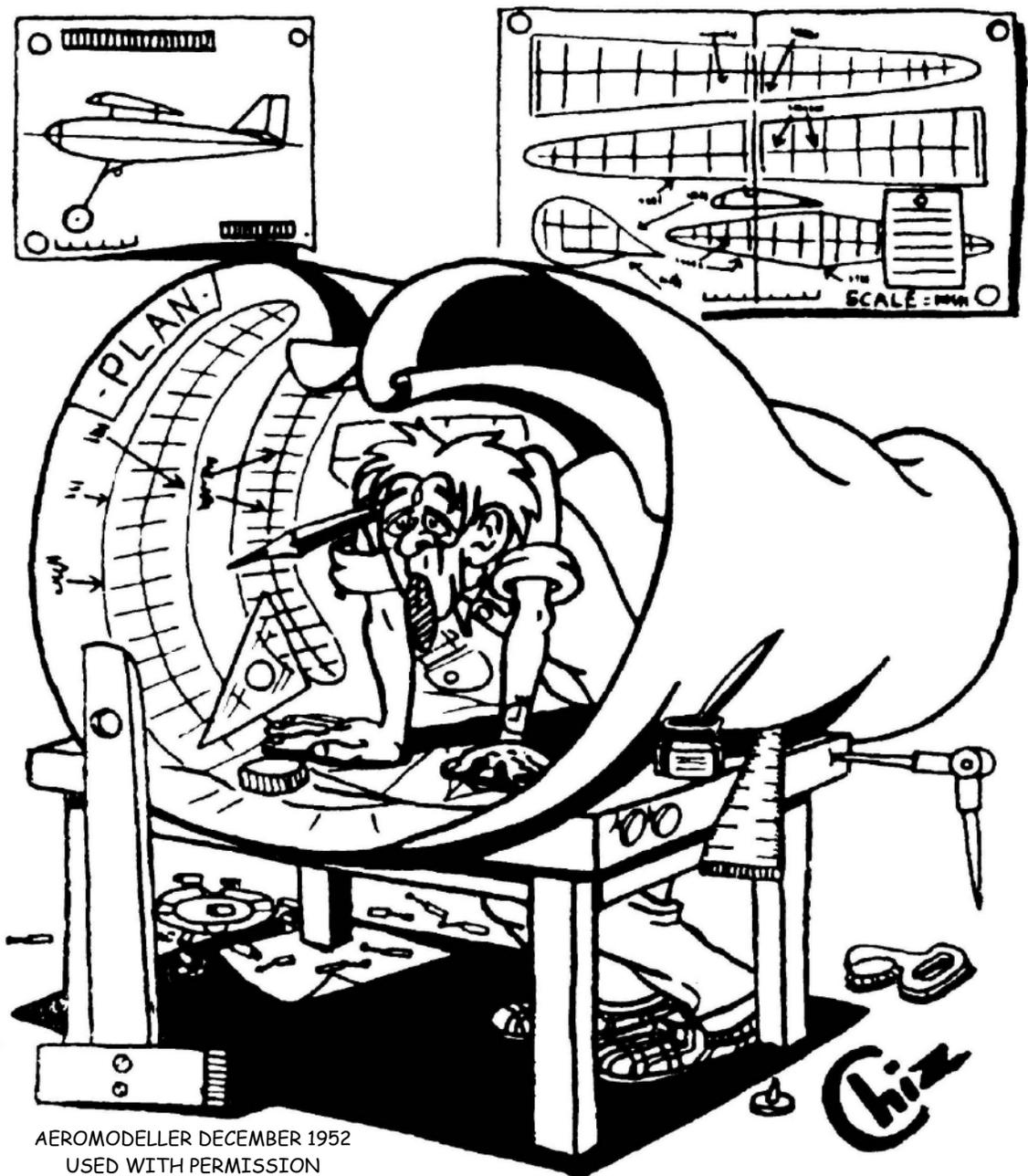
That's NOT the way it was in the past, when you had to build a model before you could fly it. If you're an old-timer, as I am, you have fond memories of *Air Trails*, *Flying Models*, *Model Airplane News*, *Aeromodeller* and many of the several other magazines available "way back when".

If you're a relative newcomer to modeling and want to learn how to build them, those old magazines can provide a wealth of useful information, plans and how-to-do-it articles.

There are several problems with those old magazines. They are sometimes hard to find, often in bad condition, and in many cases they are so fragile that they can fall apart just by turning the pages. This is because they were often printed on pulp paper, also known as newsprint. Newsprint is inexpensive, but has residual chemicals that cause it to deteriorate when exposed to the air and particularly to sunlight. Your wife or "significant other" might also ask "When are you going to get rid of all those smelly old magazines?"

I admit to being a bit of a "nut case" but have been collecting these magazine for over 50 years and now I am trying to digitize them to preserve them for other modelers. They are now available as digital PDF files. See the details on the next page.

Keep 'em Flying - Roland Friestad



AEROMODELLER DECEMBER 1952  
USED WITH PERMISSION

**Now Available - RC Modeler**  
**First 10 years - 1963-1972**

# We have switched to USB Memory Cards Much More Reliable

NEW - Now available is a digital collection of the first 10 years of RC Modeler magazine, starting with the first issue published in October of 1963 through the issue of December 1972 - 109 issues in all on a single USB drive card. -

**\$50 - Postage paid world wide**

**AIR TRAILS** - This magazine went under several names. The final issue was published in March of 1975. There are 435 monthly issues included in the complete set and priced as follows ---

D001010 - January 1937 through December 1943 - 84 issues - **\$50**

D001011 - January 1944 through December 1950 - 84 issues - **\$50**

D001012 - January 1951 through December 1961 - 132 issues - **\$50**

D001013 - January 1962 through December 1971 - 96 issues - **\$50**

D001014 - January 1972 through March 1975 - 39 issues - **\$25**

**AIR TRAILS ANNUALS** -

D001009 - 1938 through 1969 - All 25 issues - **\$30**

**D001015 - SPECIAL - Complete set including the annuals - \$200**

**MODEL AIRPLANE NEWS** - The first issue of this magazine was published in July of 1929 and it is still in publication. We have the following collections currently available ---

D001002 - July 1929 through December 1942 - 161 issues - **\$50**

D001004 - January 1943 through December 1952 - 120 issues - **\$50**

**MODEL BUILDER** - This magazine ran from the first issue of September~October 1971 through the final issue dated October, 1996 -

D001001 - The complete run - 295 issues - **\$75**

**FLYING MODELS** - The first issue of this magazine to use the name was published in June of 1947 and it is still in publication. We have the following collections currently available ---

D000013 - June 1947 through December 1963 - 123 issues - **\$50**

**RC MICRO FLIGHT & RC MICRO WORLD** - The complete run of RC Micro Flight, 1999 through 2004 and all issues of RC Micro World, 2005 through 2012 are available - D001016 - **\$30**

Currently being digitized are complete runs of RC MODELER and AEROMODELLER. RC Modeler is coming along and is scheduled to be done by March 2015 - Aeromodeller should be completed by the end of 2015 - Prices have not been set yet -

The digitizing of several other magazines will follow including MODEL CRAFTSMAN, FLYING ACES, POPULAR AVIATION, MODEL AIRCRAFT (British) and others. This is a long term project. Many thousands of hours and dollars are represented in these collections.

**All prices include postage worldwide**

Send payment using Paypal to  
cardinal.eng@grics.net

Or check or money order to  
Roland Friestad  
1640 N Kellogg Street  
Galesburg, Illinois 61401  
USA

**Makes a Great Gift for Modelers  
Circle your interests and give this  
sheet to someone who has a hard time  
finding you a gift**

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November 30, 2014 - Prices & Specifications subject to change without notice