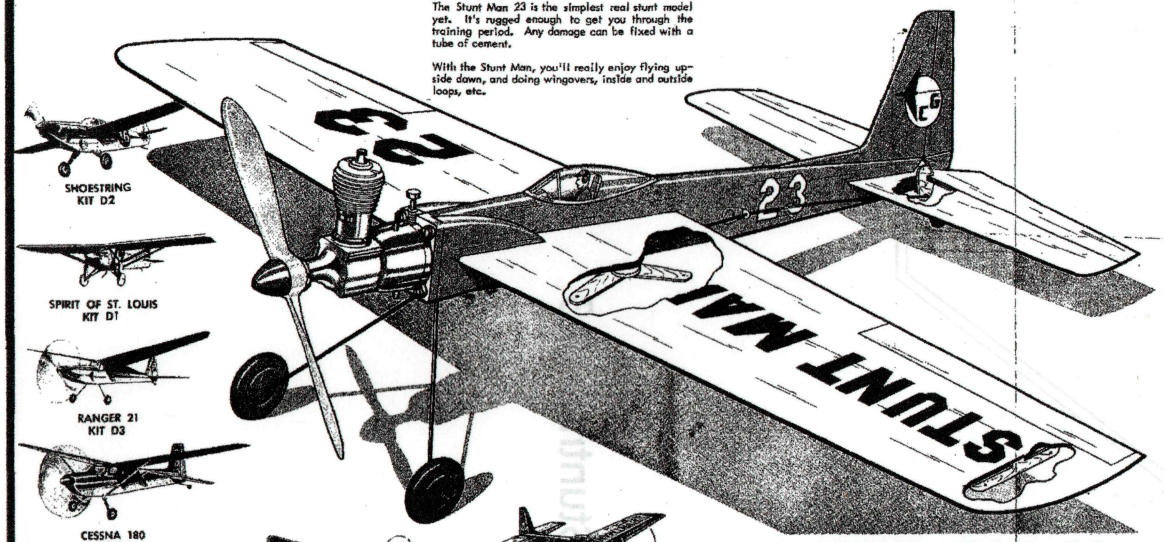
The Stunt Man 23 is the simplest real stunt model yet. It's rugged enough to get you through the training period. Any damage can be fixed with a tube of cement.

With the Stunt Man, you'll really enjoy flying up-side down, and doing wingovers, inside and outside loops, etc.



SHOESTRING KIT D2

SPIRIT OF ST. LOUIS KIT D1

RANGER 21 KIT D3

CESSNA 180 KIT D4

RANGER 28 KIT D5

RANGER 30 KIT G2

STUNTMAN 23 KIT G6

½A BLAZER KIT G1

SPACE JET 21 KIT G5

SWORDSMAN 18 KIT G3

STUNT MAN 23

FLYING MODEL, KIT G6

CONTROL LINE MODEL

FOR .049 TO .099 GAS ENGINES

Wingspan 23½"
Length 16½"
Weight 5½-6½ oz.

Designed and drawn by: Carl Goldberg | Bauer | E.F. Wargo | J.C. McVickers

CARL GOLDBERG MODELS Inc.
CHICAGO ILLINOIS

ENGINES TO USE

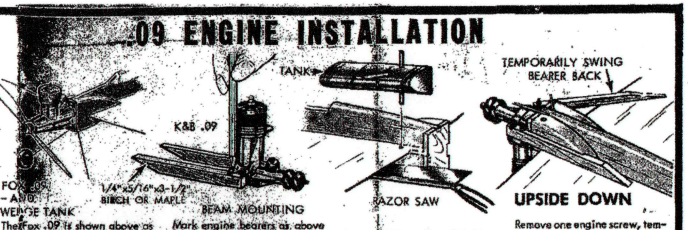
All half-A .049 engines are suitable, and may be mounted directly to the firewall, or beam mounted if necessary.

Also

FOX .09
K & B .09
CUB .09
McCOY .09
ENYA .09
O.S.PET .09
CUB .074

In some cases, stunt-type tanks may be necessary. For 1/2A, use No. T-2 Kappak or Perfect tanks; for .09, use No. T-3.

.09 ENGINE INSTALLATION



WEDGE TANK

The Fox .09 is shown above as mounted directly to the firewall. Use No. 3-48 screws with hole cemented behind the firewall for Fox, O.S. and Cub .074 engines similarly mounted.

BEAM MOUNTING

Mark engine bearers as above when using beam-mounted engines such as K&B .09. Fasten engine to bearers with No. 3-48 x 5/8 screws, nuts and washers.

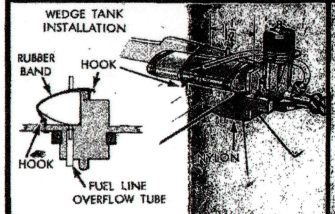
RAZOR SAW

Saw out firewall and fairing blocks very slightly if necessary for good fit to bearer spacing. Drill through wing for tank overflow tube.

UPSIDE DOWN

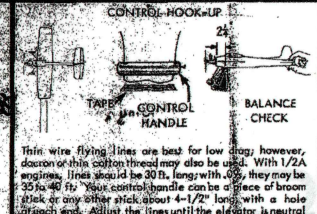
Remove one engine screw, temporarily swing out bearer. Pre-cement surfaces where bearers will meet wing and fairing blocks, etc; let dry. Then, cement bearers firmly in place.

WEDGE TANK INSTALLATION



Use a wedge tank if your engine has a flat tank, or one not suitable for stunting. (For 1/2A engines, use Kappak or Perfect tanks; for .09, use No. T-2.) Fill tank from front, cement in place, and secure tank with rubber bands. Bend and cement front end firmly with nylon.

CONTROL HOOK-UP



Thin wire flying lines are best for low drag; however, dacron or thin cotton thread may also be used. With 1/2A engines, lines should be 30 ft. long; with .09's, they may be 35 to 40 ft. Your control handle can be a piece of broom stick or any other stick, about 4-1/2" long, with a hole drilled in each end. Adjust the lines until the elevator is neutral when your handle is vertical. Then tape the line to the handle so it can't shift.

Make sure the model balances no further back than 2-1/4" from the firewall.

YOUR SUGGESTIONS WANTED!

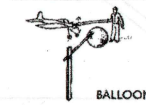
Here is your chance to offer your suggestions to a manufacturer.

Write us on a post card or letter:

1. What you like best about our models.
2. Your suggestions for improvements, if any.
3. What three new models you'd like to see us bring out.

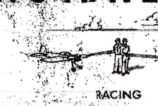
We will gladly read your comments, and reply, so send them quickly. Be sure to include your name, age, and address.

LET'S HAVE FUN!



BALLOON BUSTING

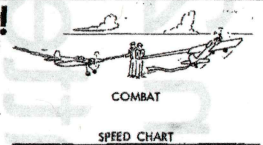
You can do exciting things with your model. Try setting up a balloon as shown above and see how many "passes" it will take you to break it. If you get pretty good, make it harder by setting up obstacle stick ahead of the balloon, so that you'll only be able to dive at it in the last second.



RACING

One of the most exciting sports is combat flying. Stout balsa streamers (all to-scale, but with 6-foot crepe paper streamers) fly from the back. The one who nips off the most streamers is the winner. Take evasive action!

Speed flying. Here you have your plane timed to see how fast it can go. Have someone time your plane for 6 laps, using a stopwatch. You can then find your speed in this table.

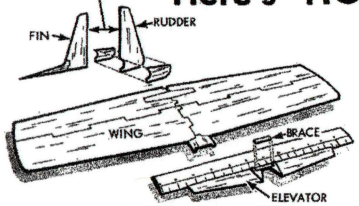


COMBAT

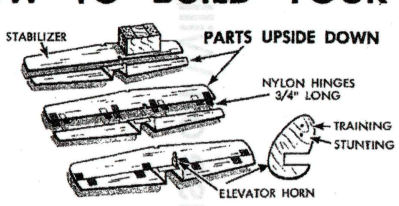
SPEED CHART

35 FT. LINES		6 LAPS (1/4 MILE)					
SEC.	M.P.H.	SEC.	M.P.H.	SEC.	M.P.H.	SEC.	M.P.H.
15.0	60.0	17.5	51.4	20.0	45.0	22.5	40.0
15.5	58.1	18.0	50.0	20.5	43.9	23.0	39.1
16.0	56.3	18.5	48.6	21.0	42.9	23.5	38.3
16.5	54.5	19.0	47.4	21.5	41.9	24.0	37.5
17.0	52.9	19.5	46.2	22.0	40.9	24.5	36.7

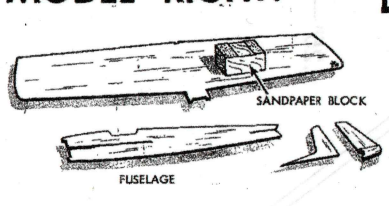
Here's HOW TO BUILD YOUR MODEL RIGHT!



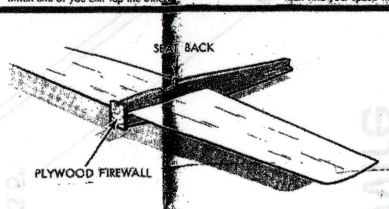
1 Using regular model airplane cement and pins, carefully join the parts shown above. Use straight edge to line up elevator. Don't join rudder to fin, yet.



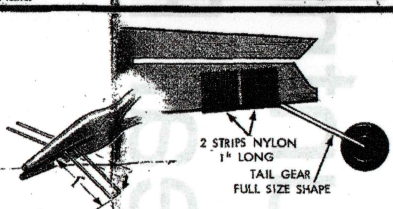
2 Wrap 4/0 sand paper around a block, and sand tail flat and smooth. Round all edges. Cement nylon hinges to stabilizer, add elevator horn, and draw elevator very close to stabilizer.



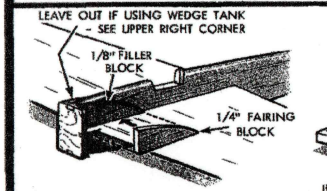
3 Sand wing, fuselage, and rudder flat and smooth. Round all edges except where parts later will be joined.



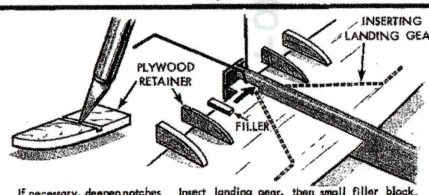
4 Cement wing and plywood firewall carefully and firmly in place. Also, add seat back.



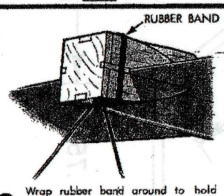
5 Bend tail gear as shown. Slip tail wheel in place. Cement firmly to fuselage with nylon reinforcement.



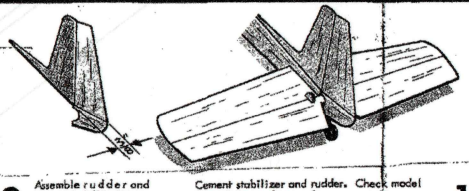
6 Cement inner and outer fairing blocks as shown.



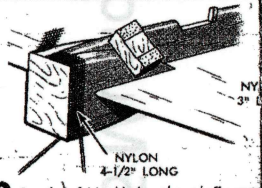
7 If necessary, deepen notches until landing gear wire fits flush. Insert landing gear, then small filler block. Thoroughly cement plywood retainers in place, then outside fairing blocks.



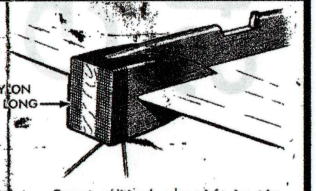
8 Wrap rubber band around to hold front assembly firmly together. Allow to dry over night.



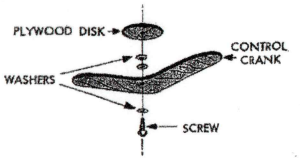
9 Assemble rudder and fin, with 3/8" offset as shown. Cement stabilizer and rudder. Check model from front and rear for correct line-up. Straighten tail before cement dries.



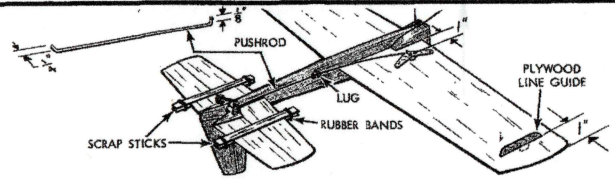
10 Smooth up fairing blocks and round off corners. Cement nylon reinforcing strip as shown.



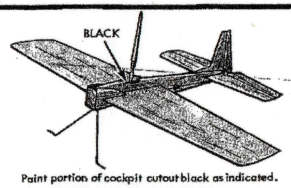
Cement additional nylon reinforcing strips as shown.



11 Assemble control crank parts as shown. Allow crank to turn freely.



12 Make right angle bends at each end of long wire pushrod. Use scrap sticks and rubber bands to hold elevator neutral. Cement lug to fuselage. Set control crank assembly in place on end of pushrod as shown, then cement plywood disk firmly to wing.



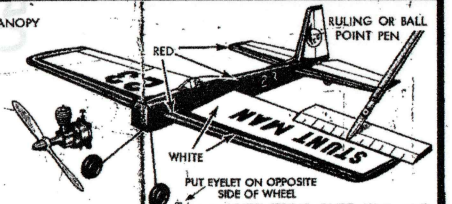
Paint portion of cockpit cutout black as indicated.

13 Apply equally on top and bottom 2 thin coats clear dope, and then 2 thin coats color dope. Sand between coats.

14 Add control surface markings. Apply decals to pilot, then cement pilot and canopy in place. Apply 1 coat fuel proofer all over including canopy. Apply 2 coats around nose and center of model.

Press eyelets into wheels, slip wheels on, and screw the spring wheel retainers onto axles.

Mount engine with sheet metal screws given, or use No. 3-48 machine screws with nuts behind firewall.



6-66 H