Build the Curtiss-Wright Coupe

Simplicity is the outstanding factor in the model presented here—the Curtiss-Wright Coupe. It's a plane every one of you can build—and a plane every one of you will want to build as soon as you look over the plans and directions for this popular modern ship.

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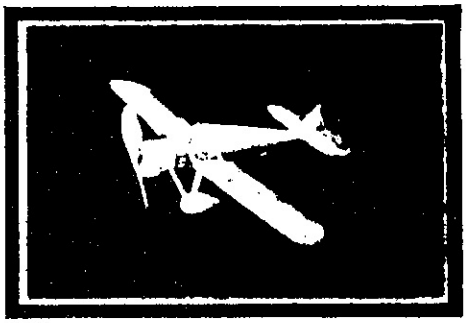
By Avrum Zier

I WANT to thank the model builders for their interesting letters suggesting planes that they would like to see in the model department of FLYING ACES. So many of the boys asked for simple planes that I have decided to design one of the simplest planes out today—the Curtiss-Wright Coupe. If you have any suggestion for any special plane that you think will be of interest to other model builders, send them in to the model department.

The Curtiss-Wright Coupe, which we present this month, is powered either with a Kinner B5, developing 125 horsepower, or a Curtiss-Wright *Gipsy* motor, capable of turning out 90 horsepower. The body is constructed of chromemolybdenum steel tubing and covered with fabric. The propeller used on the ship is a Hartzell.



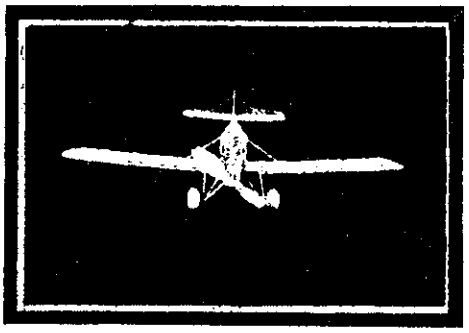
A side view of the popular Curtiss-Wright Coupe. Read the directions printed on this page—and build one for yourself.

SPECIFICATIONS

Span	38 ft.
Length overall	25 ft.
Wing area	188 sq. ft.

PERFORMANCE

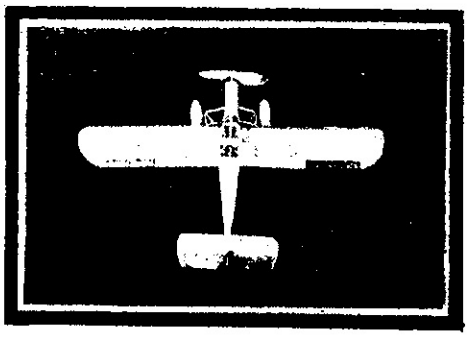
	Curtiss-Wright	
Motor	Kinner B5	Gipsy
High speed	128 m.p.h.	110 m.p.h.
Cruising speed	110 m.p.h.	90 m.p.h.
Landing speed	47 m.p.h.	45 m.p.h.
Rate of climb	950 ft. per min.	600 f.p.m.
Service ceiling	18,000 ft.	14,000 ft.
Gasoline capacity	30 gal.	30 gal.



Coming right at you! An interesting front view of the Curtiss-Wright Coupe.

FUSELAGE

The fuselage of the Coupe is constructed in box form. The complete side view is shown by pasting sheets 1 and 2 together. The frame is shown dotted in and should be used as a jig. After the two sides are made, they are bent at the point indicated on the plans. The cockpit sides are then glued on, and the top cross braces glued in. Bamboo is used for the front window frame. The complete cockpit is then covered with cellophane and sprayed with water to tighten it.



What the Curtiss-Wright Coupe looks like from above. Note the color design on wings and tail.

NOSE BLOCK

The nose block should be carved as shown on plan. You will find that the ship is tail-heavy, therefore, do not hollow out the complete inside. The front motor-stick clip is then glued in place as shown.

TAIL SURFACES

The stabilizer is constructed of 1/16" sq. balsa with the exception of the leading edge, which is 1/16" x 1/8" balsa. The tips are bamboo.

The rudder is constructed in the same manner as the stabilizer and is outlined with bamboo.

WINGS

The wings of the Coupe are constructed in the following manner. All ribs are cut out of 1/16" sheet or, if the builder wishes, he can use 1/32" sheet balsa. The tips of the wing are bamboo.

PANTS

The pants shown on the plan are optional, being so designed that they can be taken off. The method I used is my own idea, and can be employed on other models.

COVERING AND PAINTING

The ship may be painted any two different colors, as shown on the pictures. In building this ship, I used colored tissue instead of paint. After the paper is put on, it should be given a fine spray of water. The nose can be painted silver with black trimming. If any difficulty is encountered while building this ship, drop me a line with an enclosed, self-stamped envelope.