"Miniature" Model is Marvelous Performer

Bambi-Powered Free Flight

■ This model was designed around the tiny Allbon Bambi Diesel engine of .009 cu. in. displacement. A semi-scale sport job was selected since there is no contest class for this engine. It is a stable flyer and easy to fly on a small field. Climb is about 200 ft./min.; on full tank engine runs about 2½ min.

Minimum weight is very important, so light balsa wood stock should be selected. Total weight of finished plane was slightly less than 2⅓ oz.

Construction: Fuselage sides are drawn on to 2 sheets of 1/32" x 3" x 12" balsa; 3/32" sq. stiffeners are glued around the edge of both sides. Cross members cut to size from top view and sides are joined. Firewall is from 3/32" plywood (or 1/16").

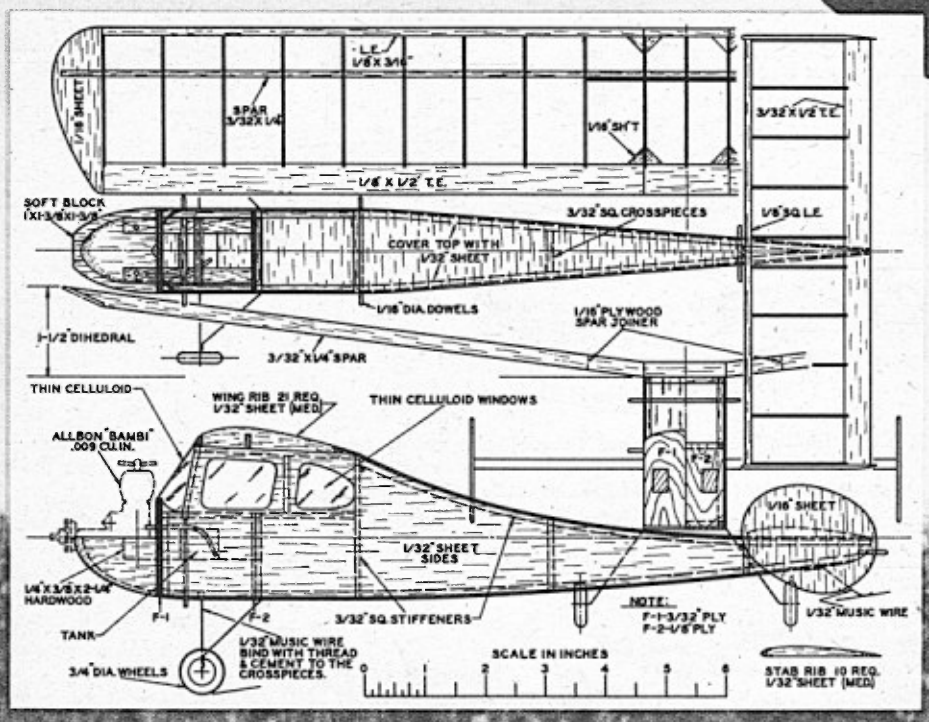
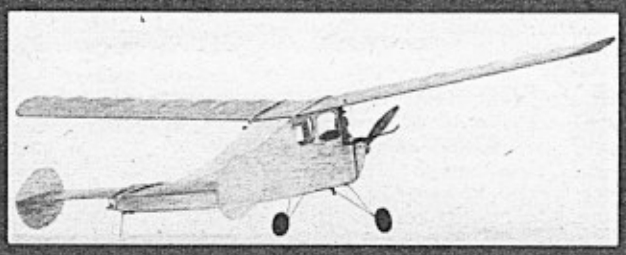
The engine must be beam mounted as no provision is made for radial mount; ¼" x ⅜" bass for the mounts.

Landing gear is bound and glued to the bottom cross members. Fuselage top and bottom are then covered with 1/32" sheet. This makes a very solid but light job.

Wing, stab and rudders are completely conventional. Gussets at the dihedral break in the wing are a "must."

Engine: The power plant is very critical to both compression and fuel adjustments. But once adjusted ½ turn on both compression and needle valve is all that is required between starting and running positions.

Prop is not flipped for starting as in larger engines but must be hit sharply.

The metal prop supplied with the engine is the only one that gives good results. The pitch must be adjusted (trial and error method) for best results.

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