

Sultana

Powered Tailless Pusher Model

By Dr. MARTIN SULTAN

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THIS good looking flying model is a design of Dr. Martin Sultan, who traces his aircraft experience back to before World War I days, when he was interested in ornithopters, and indeed ultimately built a fullsize machine of that class though he left the country before it could be tested.

To return to the model, the original version was powered with a 5 c.c. Bonnier diesel (similar to Micron) equipped with a four-blader propeller. The final version illustrated has a 5.8 c.c. Super Tigre, with a normal two-blader of 14-in. diameter and 6-in. pitch.

To ensure absolute accuracy the wings are built in jigs. All bearing members of both wings and body are of spruce. Bulkheads and centre-section ribs are three-ply, other ribs of 3/16th-in. balsa. Exhausts have been lengthened with tubing, while motor is fully cowled with a removable cowling.

Work on designing the model took nearly a year, and its actual completion a further year, as the designer is a busy dentist, with only Saturdays available for model making.

Colour scheme is red and white.

All up weight approximately 5½ lb.



