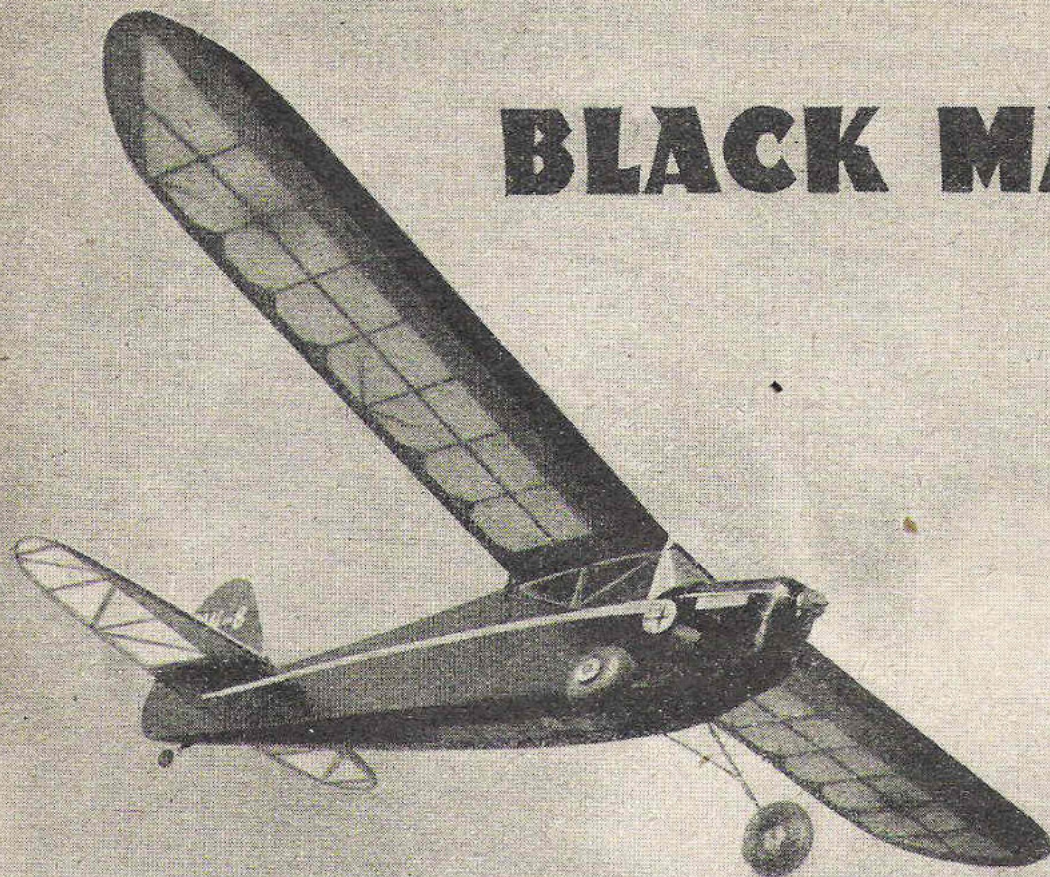


# BLACK MAGIC



By Fred Hemsall

IN offering Black Magic to the critical attention of our readers we are confident they will appreciate that rare combination in power models—elegance of form and outstanding performance.

Three aircraft were built to give the design a thorough testing and flown continuously throughout the 1946 season, with more than a fair measure of contest successes. It is interesting to note that none of them have ever "spun" despite attempts to force them to do so. Provided the outline and position of the C.G. are adhered to each model could have been given "full bore" straight from the dining-room table when they were made! Black Magic is simple to build and should give no trouble to the average builder. The weight comes out at about 36 ounces all on, giving a wing loading of 12 ounces per square foot which is ideal for general competition work.

**Construction.** The two fuselage sides should be built on the plan, one over the other in the usual way, leaving the longerons about 1 inch longer than is necessary at the nose. Cut out main former "A" and rear fuselage decking formers. Glue fuselage sides together at stern-post, then working from stern fit formers, "A" being the last. Make hard wood nose block (with loose top section) cutting rebate all round and all recesses for longerons and motor mount bearers so that when sheeted in everything will be "flush."

Insert motor plate bearers and glue nose block, bearers and upper longerons very securely. Leave at least 24 hours to set. When glue is set, thoroughly steam lower longerons just forward of former "A" and slowly bend up into position cutting the length so that they will slide sideways into the slots cut to receive them in the nose block. This is a bit of tricky—do not hurry and keep the longerons well steamed all the time. A perfect bend

Heading picture : Black Magic flies as well as she looks !

Below : The unique knock-off engine mount lifted from its bearers. Note convenient timer position behind the wing.

Bottom : The model at rest with engine seated on bearers and cowl removed.

