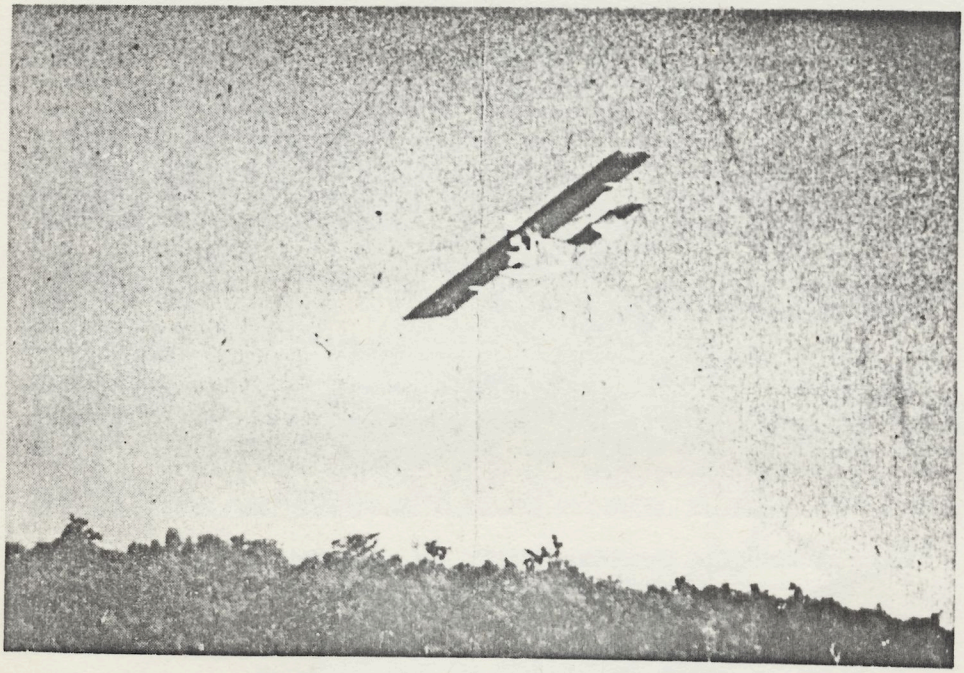
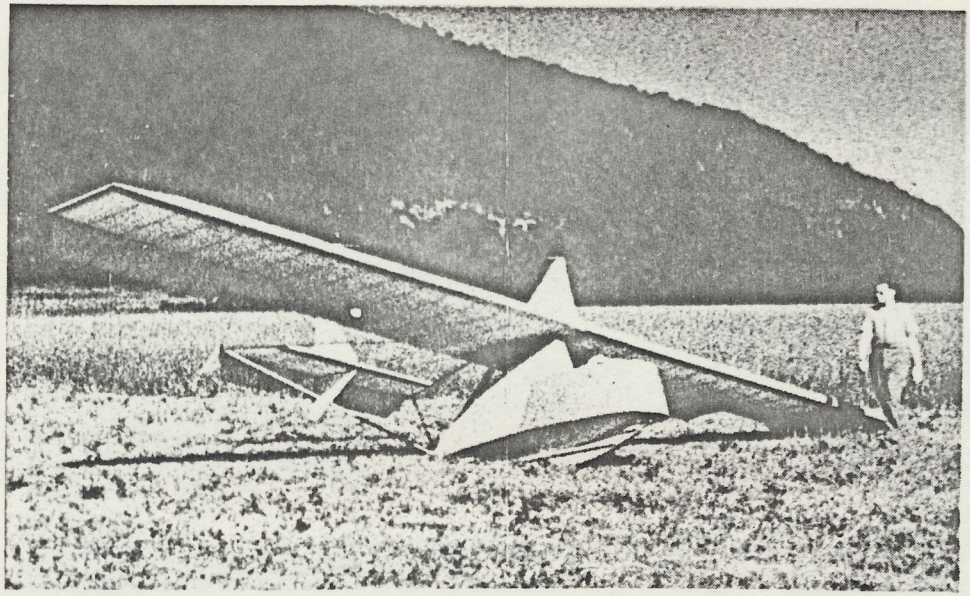


THE DAGLING

Primary Training Glider

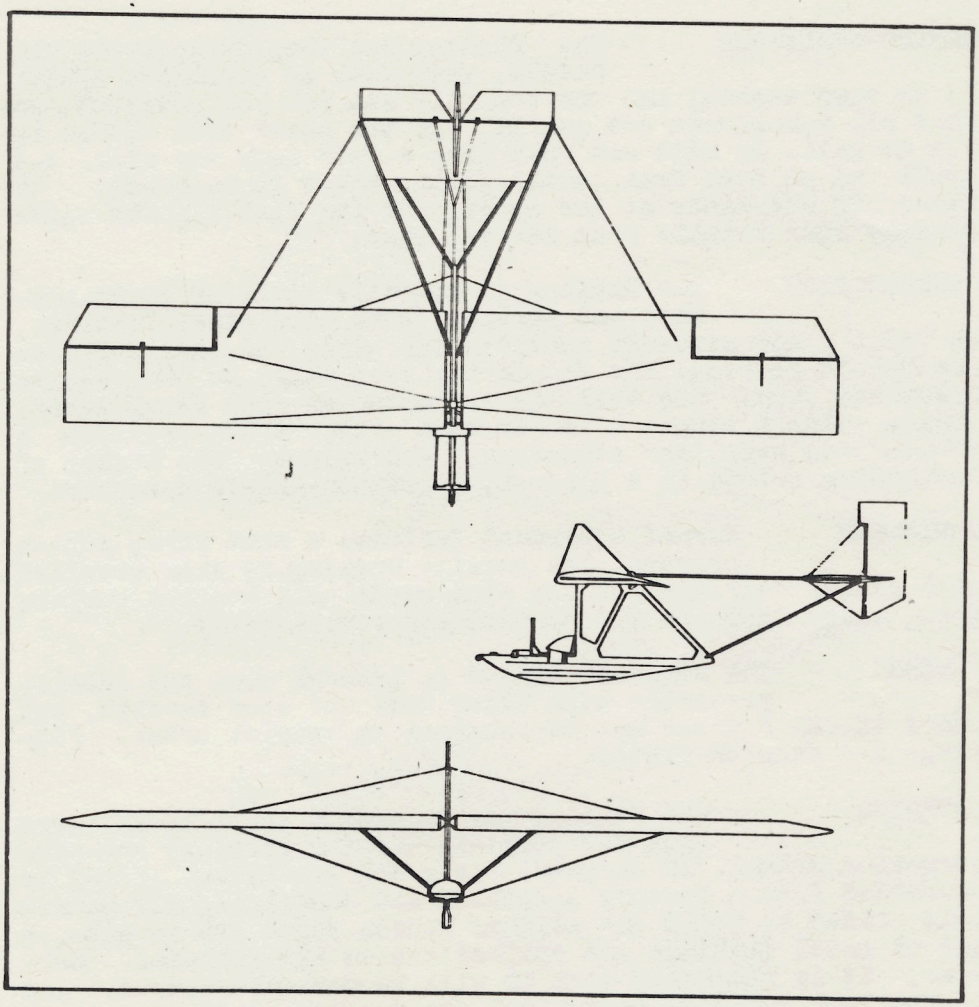
Gliding is fun - - - the most intimate form of flying there is. Every launch a challenge, supplying all the adventure of flight, the Dagling provides the training needed for soaring. Learning to fly all by himself, a pupil progresses by easy stages. He starts with gentle ground slides, and, as each new step is mastered, passes to more and more advanced manoeuvres, until he is ready to step into a sailplane for controlled, silent flights along the highways of the clouds to distant places.



A Nacelle Dagling built by members of the Gatineau Gliding Club

Characteristics of the Dagling

Span		33' 0"
Length		18' 0"
Height		6' 9"
Wing area		165 sq ft
Aspect ratio		6.6
Open Dagling:	Weight empty	214 lb
	Flying weight	385 lb
	Wing loading	2.33 lb/sq ft
	Stalling speed	24 mph
	Sinking speed	3.6 fps
	Gliding ratio	12:1
Nacelle Dagling:	Weight empty	254 lb
	Flying weight	425 lb
	Wing loading	2.57 lb/sq ft
	Stalling speed	25 mph
	Sinking speed	3.8 fps
	Gliding ratio	14:1



First adopted as a standard trainer by the gliding clubs in England, the Dagling soon became the most popular glider in Canada. Flown open for training to A certificate standard, it is often equipped with a nacelle, or fairing around the pilot, for the higher flights required for the B certificate. Ideal for practice in circuits, spot landings and slope soaring, it has been used by more than 500 pilots on their C certificate flights. The Dagling is fully approved by the Soaring Association of Canada.

FLYING QUALITIES The Dagling has been designed to fly safely, even when in unskilled hands. It is very stable, and the controls are not too powerful, so that all manoeuvres are gentle, and the pupil soon learns to fly it well. It will not fall into a spin from the stall but sinks on an even keel until flying speed is regained. It takes off and lands at low speed, and its flat gliding angle permits long flights from low launches.

CONSTRUCTION The Dagling is sturdily built of birch plywood and spruce, with mild steel fittings, of first class aircraft quality. The wings and tail surfaces are fabric covered. The simple two spar wings do not require elaborate jigs. The tail is supported on four steel tubes, braced with a single wire on each side, which provides a simple and resilient structure, and reduces the number of connecting points to a minimum, permitting rapid assembly.

EQUIPMENT Normal equipment includes a four strap Sutton harness. The Nacelle Dagling is also provided with simple fairings for the wing roots and control surface gaps, which improves the performance considerably.

FINISH The standard finish is natural wood and fabric, protected with clear dope and spar varnish, but other colour schemes may be obtained on special order. Fittings are cadmium plated.

ORDERING The Dagling may be easily built by amateurs from our complete working drawings and construction manual. If no power tools are available, it may be assembled from a factory inspected kit containing all materials needed to build one glider. Wooden parts cut to size, a set of metal fittings and spliced cables are included. However, it is suggested that it will be more convenient, and in the long run more economical, to purchase a factory built glider. Interchangeable subassemblies can be supplied separately for rapid replacement of damaged parts.

Complete Glider	$585
Kit	425
Drawings and Manual	16

We also supply Secondary, Intermediate and Performance types
- Agents for Slingsby Sailplanes -

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