



This airplane is a development of the original Douglas O-2 Observation airplane with major changes both in the power plant and wing arrangement. This airplane has a remarkable performance and has been adopted for various duties in the Air Corps.

It was originally developed to use the Curtiss Conqueror 600 hp. straight drive engine with a water-cooled tunnel radiator.

This gave the plane a performance better than the Liberty-powered job. In the final adaptation the Prestone-cooled geared engine was finally chosen with the result the performance compares favorably with foreign planes in the same class.

These planes are of composite construction with a welded steel fuselage and wooden wings. The planes incorporate all the

latest observation equipment or they may be used as fighter or attack planes. These planes are now on the obsolete list, their places being taken by the newer observation planes of the army.

The wing combination is a good one. High aspect ratio, a good gap to chord ratio and a moderate wing loading make these planes ideal for cross-country work.