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Knabenshue Collection - Miscellaneous Documents

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Review AUGUST, 1940

[[Image]]No blind spot on the tail can threaten the crew of a Republic 2-PA pursuit-bomber. In this experimental ship, the gunner illustrates the flexibility and effective field of the cockpit gun which pivots to nearly any angle

aft action and the wheels are enclosed in streamlined fairings. Each leg is a single oleo unit calculated to take side loads and bending to the extreme degree necessitated by military action. The tail wheel is fully steerable and retractable.

The fully-enclosed cockpit gives the pilot excellent visibility in all directions. In addition to a sliding canopy, there is an emergency exit through the large baggage section in the rear. The pilot's seat can be dropped to provide protection and ease of exit in event of a nose-over accident. The airplane is designed to carry its own normal servicing equipment when a change of base is ordered.

The installation of the standard Pratt & Whitney engine, constructed at Hartford, Connecticut, U. S. A., and used in military and commercial airplanes throughout the world, is such as to permit the removal and replacement of a spare engine of a similar type. The engine is equipped with a highly efficient booster supercharger.

The propeller is a Hamilton Standard constant-speed propeller with three blades and a diameter of 10 feet, 6 inches (3.2 meters). The 2-PA is a two-place version of the EP-1 and corresponds in many respects, both in dimensions and performance, to the single-seater pursuit. However, certain essential differences should be noted. An additional fuel capacity in each of the outer panels increases its cruising range from 750 miles to over 1100 miles. The gunner's cockpit is placed directly to the rear of the pilot, where an unusual feature permits the streamline turtledeck to revolve and clear the gun for action. The gun, mounted on a free-turning ring, is then permitted a range of action of 180 degrees horizontally and 70 degrees vertically. Provision has also been made for two synchronized fuselage guns and a considerably increased bomb load.

The large purchase from the Swedish Royal Air Force includes extensive tool and parts equipment to provide adequate service and operation of the planes in that country.

REPUBLIC IS READY FOR TODAY'S JOB AND TOMORROW'S

Review AUGUST, 1940



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