

Model Number : VE-9

Model Name :

Model Type: Advanced Trainer/Observation

The failure of the VE-8 prompted Chance to work on improving the VE-7 to ensure continued business. In his methodical way, he came up with the VE-9. Equipped with a Wright E-3 180-hp engine, the new airplane provided more speed and a few refinements over the VE-7. Some VE-9's had the Wright Hisso E-4 220-hp engine. The rudder and tail designs were changed to compensate for this added power. Between the VE-7 and VE-9, the major system differences were in the fuel and oil systems, one difference being that the two fuel tanks on the VE-9 were interconnected.



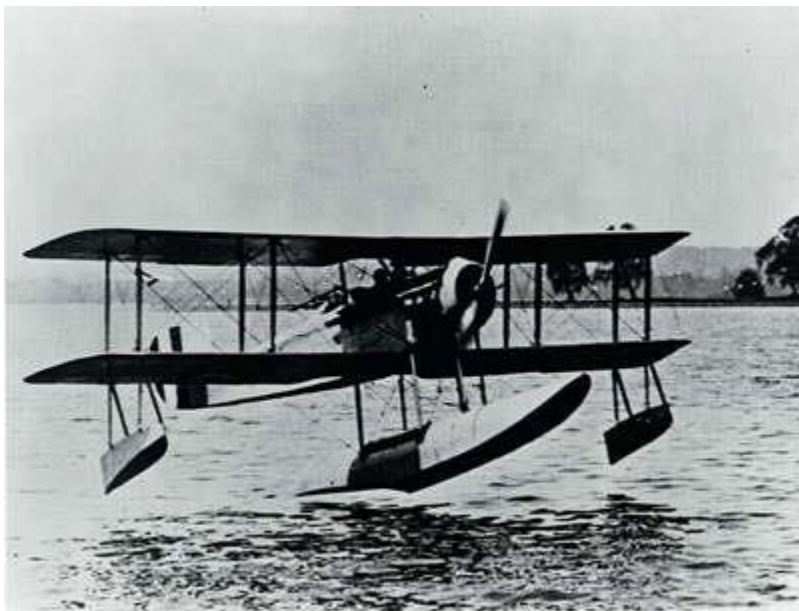
The Army purchased 27 VE-9's as replacements and the Navy placed an initial order for 21. The first Navy delivery was on June 24, 1922. Two Navy versions were built, the landplane (VE-9) and seaplane (VE-9H). Later, when the VE-9 model was further developed by the Navy, it was standardized for advanced training and gunnery purposes. It was further developed into the convertible type and used as the original catapult aircraft for observation and gunnery-spotting. When the U.S.S. Langley (the Navy's first aircraft carrier) was commissioned, it was equipped exclusively with VE-9's fitted with arresting gear for deck landings.



The VE series led an active service life in the Army Air Service, Navy, and USMC until 1928. A number of ex-Air Service VE's continued to be useful with the Treasury Department's Prohibition Service, where they were used for border patrol.

Dimensions	
Wingspan (ft/m)	34.08 ft
Overall Length (ft/m)	24.42 ft
Height (ft/m)	8.58 ft
Weights and Capacities	
Empty Weight (lb/kg)	
Gross Weight (lb/kg)	
Useful Load (lb/kg)	
Fuel Capacity (gal/l)	
Oil Capacity (gal/l)	
Powerplant Characteristics	
Type:	Wright E-3 or Wright-Hisso E-4

Rating (hp)	180 hp (E-3), 220 hp (E-4)
Displacement (cubic in/cc)	
Weight (lb/kg)	
Size (length~in X diameter~in)	
Performance	
Maximum Speed, Sea Level (mph/kph)	118 mph
Landing Speed, Sea Level (mph/kph)	
Stall Speed, Sea Level (mph/kph)	
Initial Rate-of-Climb (ft/m per min.)	
Cruise Speed, Sea Level (mph/kph)	
Range at Cruise Speed (m/k)	
Service Ceiling (ft/m)	
Absolute Ceiling (ft/m)	
Crew: 1 or 2	
Armament:	



VE-9H

U.S. Navy

1921

0001-0004-02-0008-1921



0304_11

First VE-9 delivered to the Army.



VF-9 ADVANCE TRAINER Army/NAVY 0001-0004-02-0000-1921



0304_17

Catapult from the USS Oklahoma.



0304_23

First catapult from the USS Maryland.



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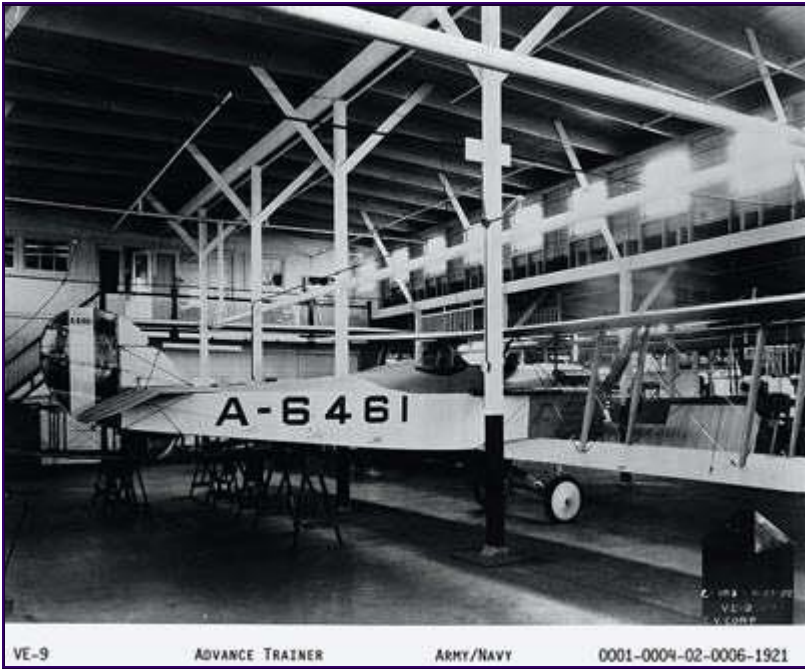
Vought VE-9, P-216 "Smoke Writing" Airplane, S/N A.S. 64316. Night Photo

Piloted by Lt. C. Bissell this plane made the first night cross-country flight (round trip) between Bolling and Langley Fields, June 16, 1922.



0304_21

Take off from the USS Langley 07/26/23. The ship is in port.



Completed aircraft in the plant.

0304_16