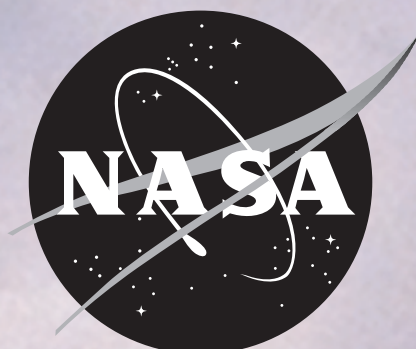


The Wright Way: Innovation Through Engineering

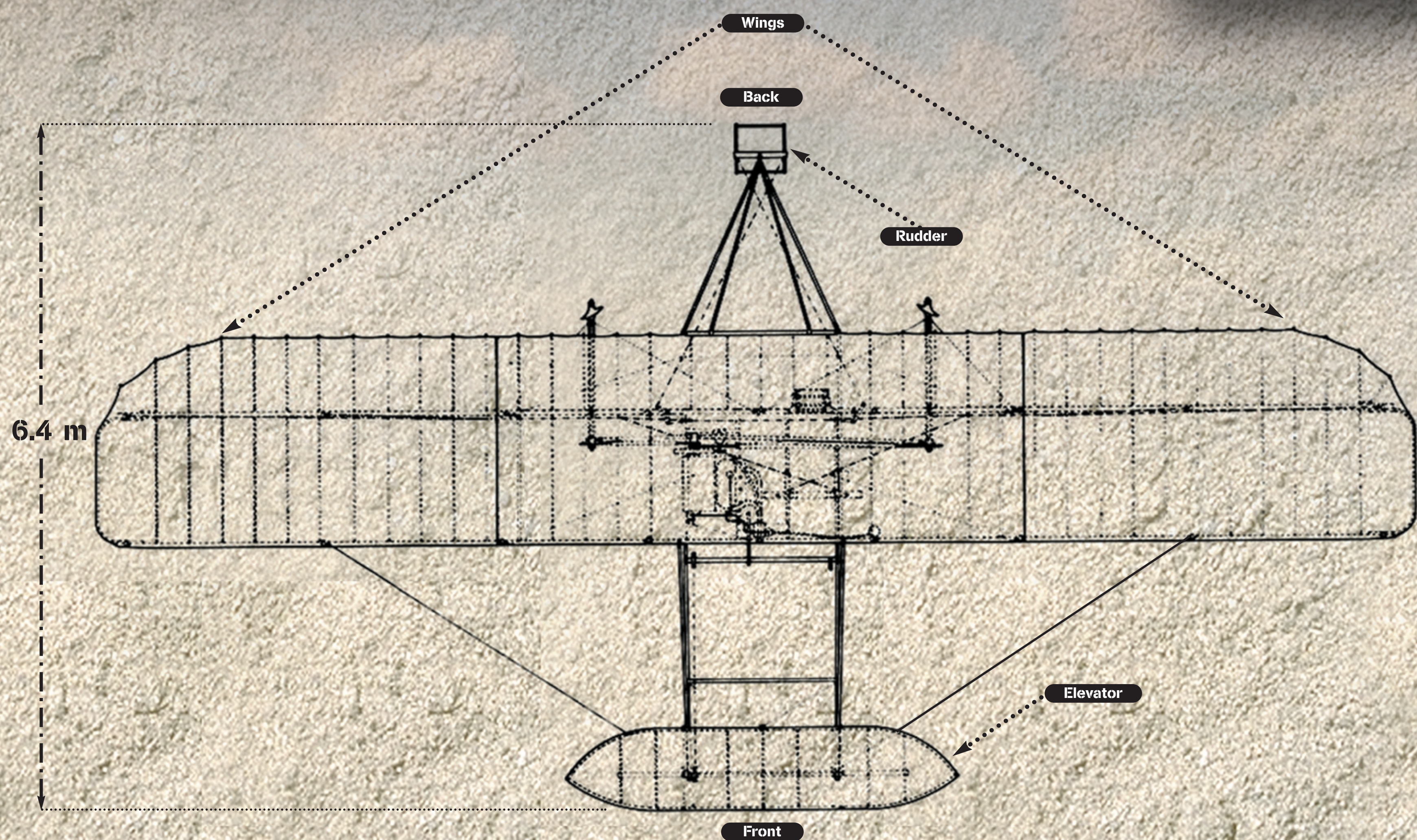


North Carolina—First in Flight

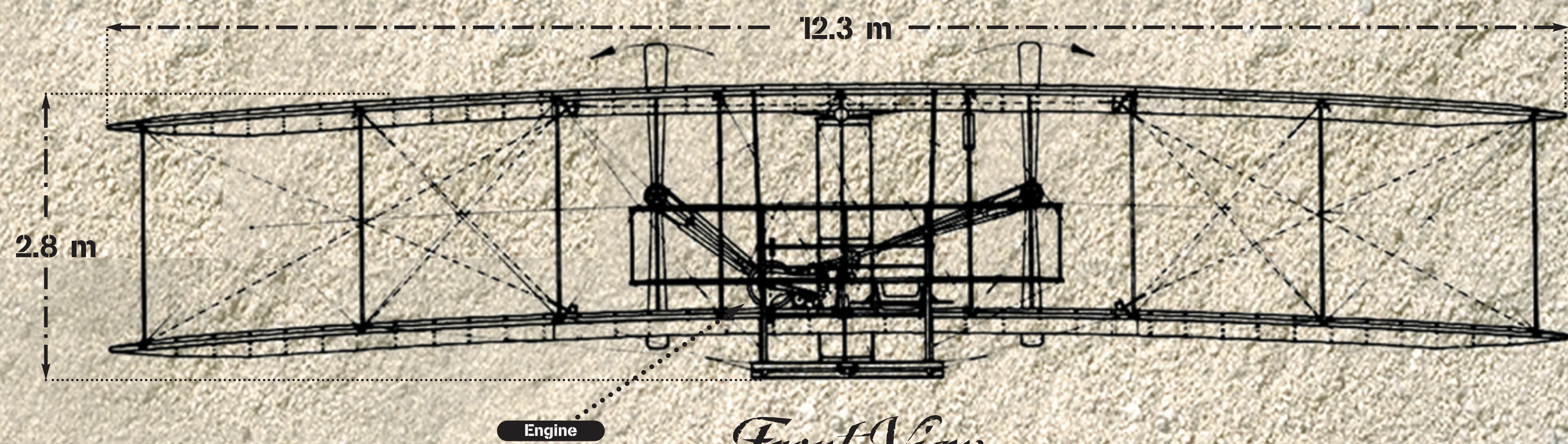
Orville Wright (1871-1948)

Wilbur Wright (1867-1912)

Kitty Hawk, NC



Top View



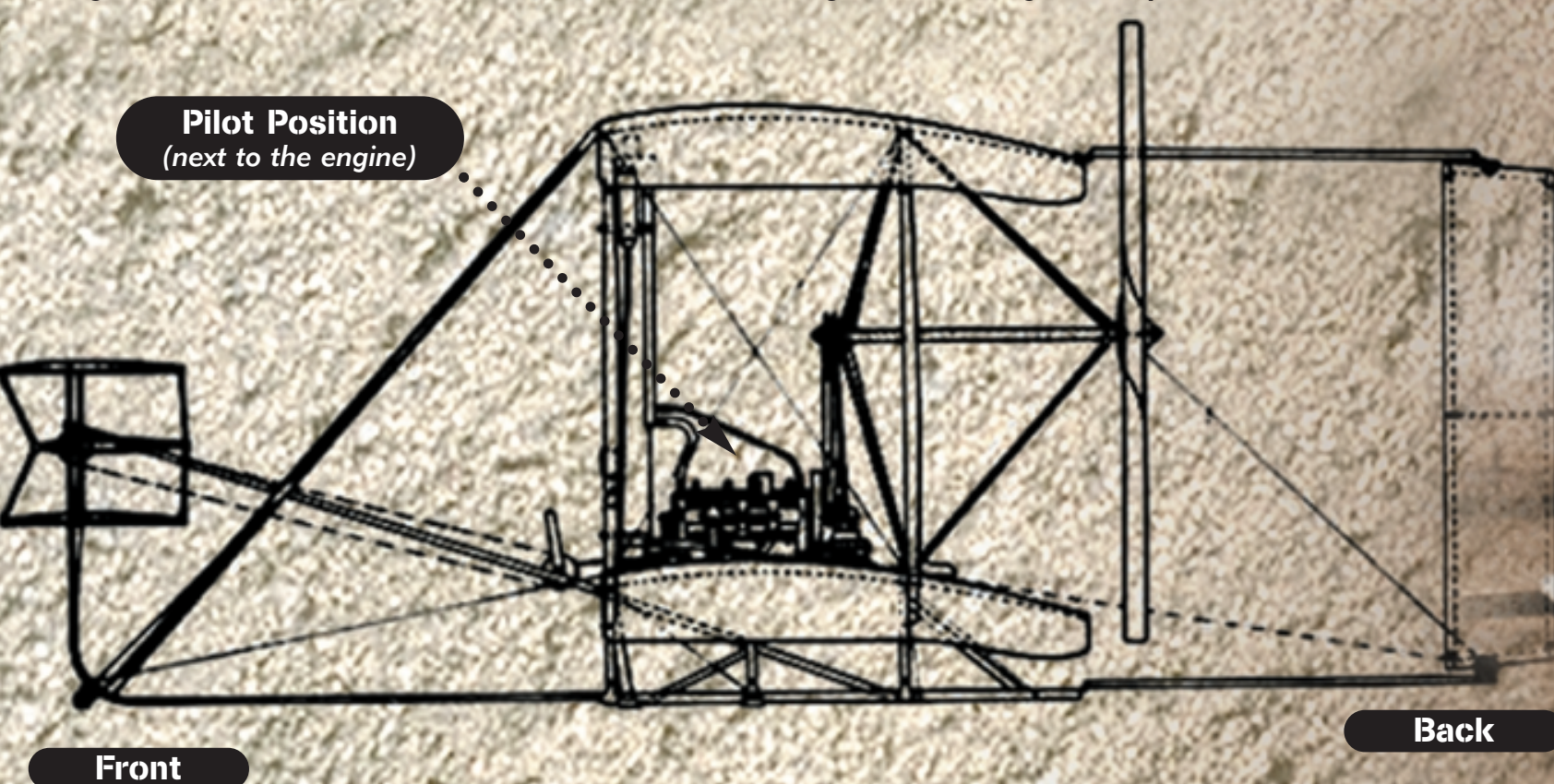
Front View

Wingspan, 12.3 m - Chord, 2 m
Overall Length, 6.4 m - Height, 2.8 m
Wing Droop, 25.4 cm
Weight, 229 Kg (without pilot)
Airspeed, 50 km per hour

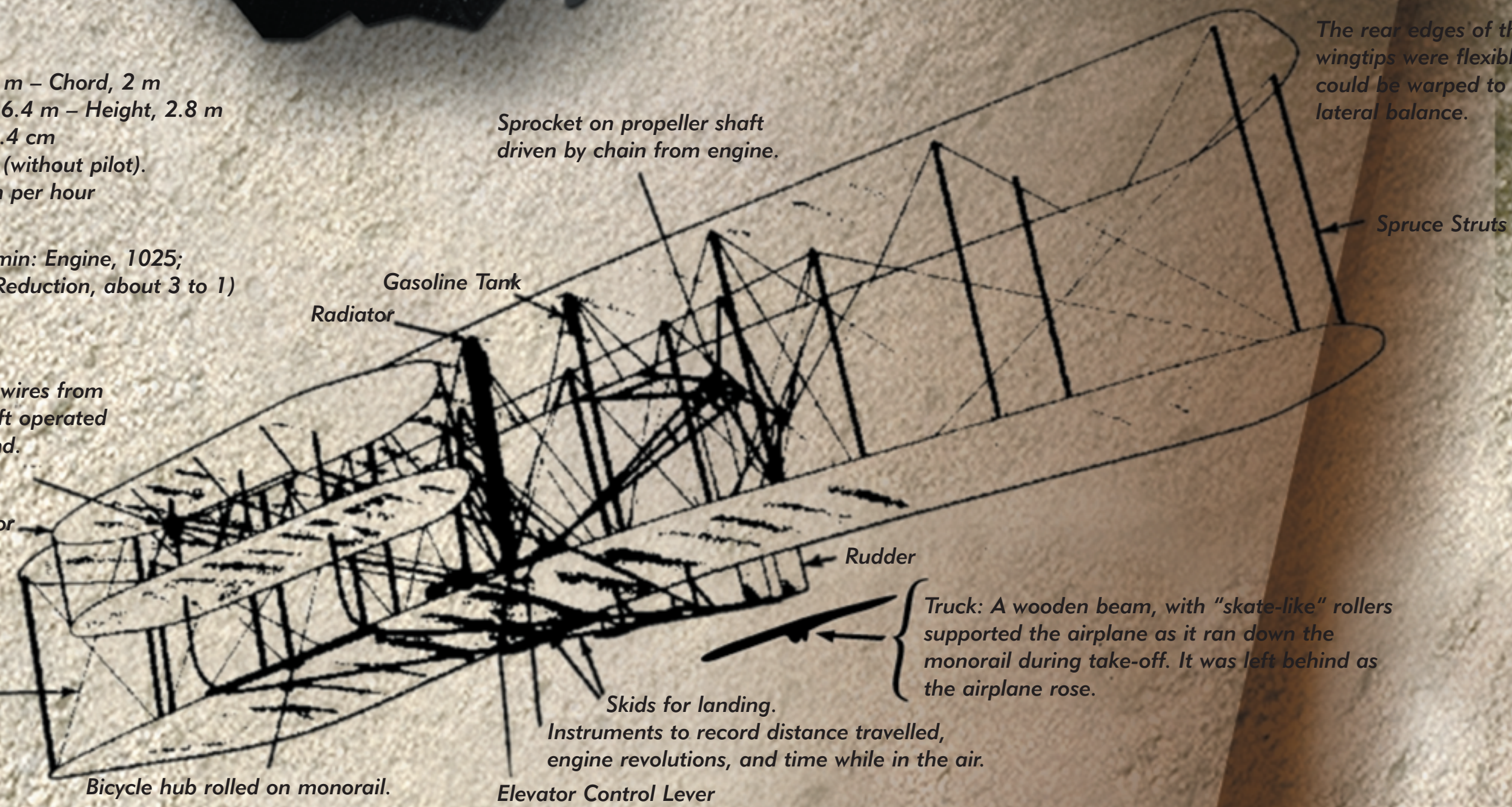
Revolutions per min: Engine, 1025;
propellers 325 (Reduction, about 3 to 1)

Pulley moved by wires from
control lever shaft operated
by pilot's left hand.

Pilot lay prone with head forward, his left hand operating the elevator lever, his hips in a saddle.
(Shifting the hips from side to side pulled the wires attached to the cradle, warping the wings and turning the rudder, both with one action, thus balancing and steering the airplane.)



Side View



The rear edges of the
wings were flexible and
could be warped to maintain
lateral balance.



100th

1903-2003

Anniversary of Powered Flight

