Aviation's Newest Super Ship Takes Form

By WAYNE THOMAS

ACCUPLICATE details of the Douglas DC-4, a new four-engine transport that will fly with four engines and carry forty passengers, are available. The giant ship is being assembled at the Douglas plant in Santa Monica, Calif., and the corps of engineers, who have been working with it for nearly eighteen months, now believe it will be ready for the early days of next year.

Interest in exterior lines and arrangements of the first ship which is definitely an important feature of the plane, will follow those of the divers. for the DC-4 will be a low-wing monoplane with a single row of seats, an all-steel tail wheel and with the two main landing wheels placed well behind the center of gravity. This innovation comes from experiments which proved this feature was the best for the ship. The machine also will have a rudder and ailerons. There will be but one horizontal stabilizer and one set of elevators, but there will be a rudder and three rudders. This was a compromise to make it possible to provide enough stability in the ship, and to avoid the construction of one enormous vertical fin which would have towered more than 30 feet into the air.

The wing span on this first machine will be 102 feet 8 inches, and the wings of the plans, which has already been completed, and contains everything that the company engineer told will make the machine fly.