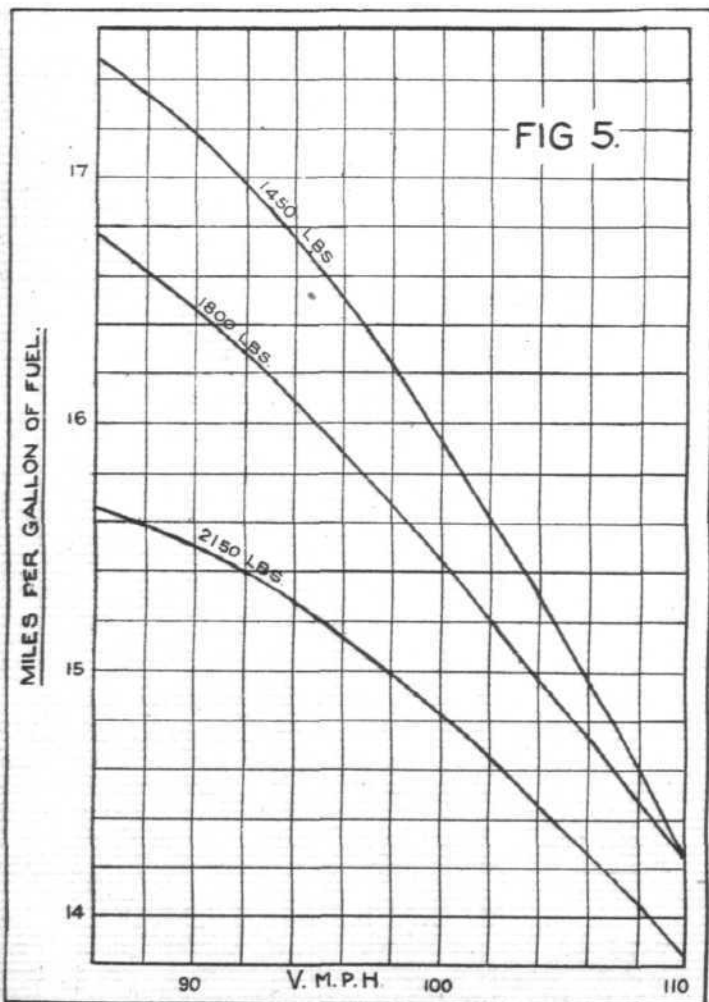
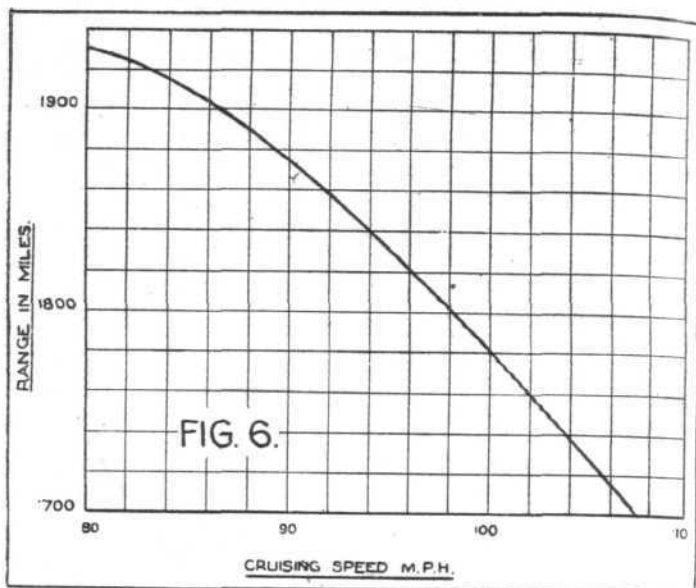


THE LONG-RANGE AVIAN : Miles per gallon of fuel used.



THE LONG-RANGE AVIAN : Miles per gallon of fuel at three gross weights.



CRUISING RANGE OF LONG-RANGE AVIAN : Fuel capacity 115 gallons.

Cruising Range and Duration at 1,900 r.p.m.

Since the foregoing estimate was made, it was decided to cruise at 1,900 r.p.m. for the whole journey.

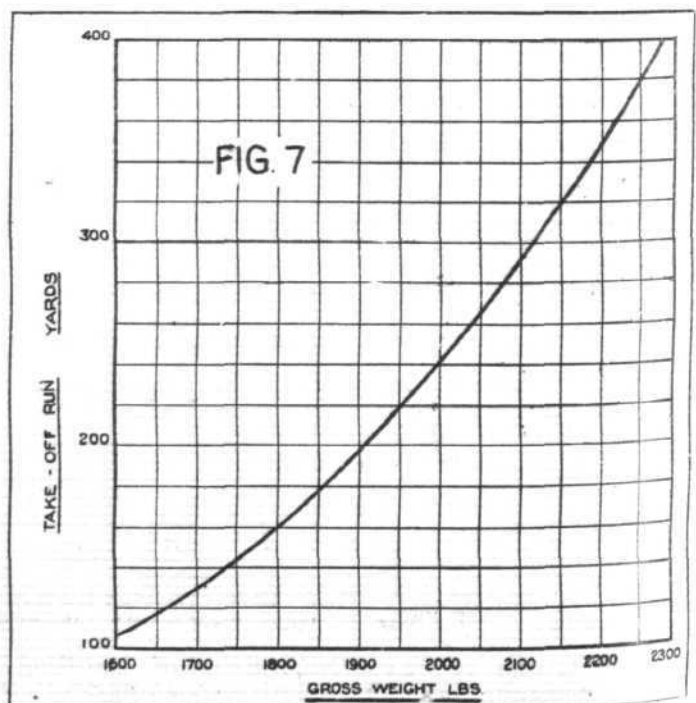
From the previous estimate, the speeds corresponding to 1,900 r.p.m. are as follows :—

Gross weight.	Speed.
lb.	m.p.h.
1,450	94.8
1,800	93.1
2,150	90.6

The total range is 1,842 miles on 115 gallons of fuel.

Duration, 19.84 hr.

Total oil used at 1 pint per hour is 2½ gallons, leaving 1 gallon in the engine at the end of the journey.



THE LONG-RANGE AVIAN : Take-off run at various gross weights.