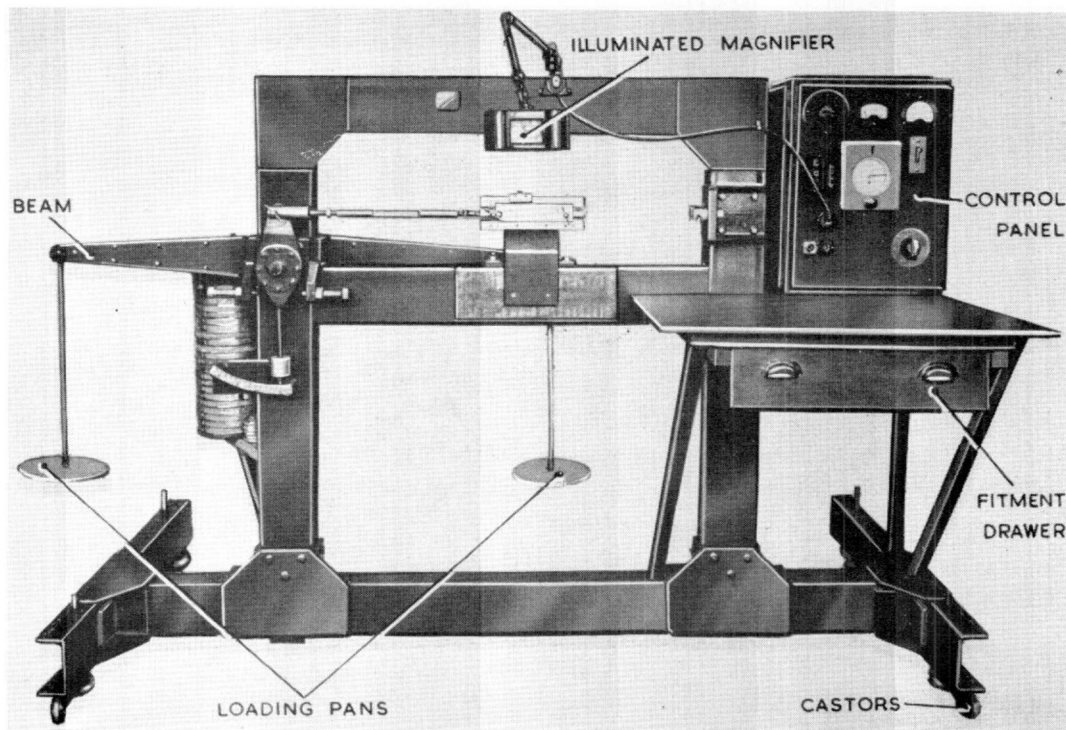


## LINEAR ACTUATOR TEST RIG



Ref. No. ... 4G/5420  
 Dimensions ... 9 ft.  $\times$  4 ft. 1 in.  $\times$  5 ft. 5 in.  
 Associated publication A.P.4343S, Vol. 1, Sect. 16, Chap. 3

### BRIEF DESCRIPTION

This test rig is designed for functional tests on aircraft linear actuators over a load range of 0 to 3,000 lb. with an input of 28 V. d.c.

The test load is applied to the actuator under test by means of weights held on pans at the ends of a centrally pivoted beam having a leverage of 5 : 1 which thus imposes a load on the actuator of five times the weight on the pan. The length of the stroke of the actuator is measured on a vernier which can be read through an illuminated magnifier and the time taken for the stroke is indicated on a timer, calibrated in seconds.

A control panel incorporates an 0-40 V. moving coil voltmeter, an 0-40 A. and a dual range 0-5 and 25 A. ammeters, a 30 A. actuator switch, a timer, fuses and plugs and sockets.

**RESTRICTED**