## THE CONTROLS

All controls are grouped at the back of the lamphouse, with the exception of the carbon feed, which is duplicated at the front and can be fitted at the Right or Left hand side as required. The various controls are as follows :—

**(A) Carbon Feed** (Fig. 3).—This consists of double knurled fibre hand wheels, frictionally coupled by spring pressure so that when operated, both carbon heads are fed together. By rotating the front and holding the rear hand wheel, the front carbon head can be moved independently, likewise by rotating the rear and holding the front hand wheel the back carbon head can be moved independently.

**B. and C. Rear Carbon Adjustments** (Fig. 3).—B. This comprises a rack and pinion motion, operated by knurled fibre hand wheel, and permits raising and lowering of the rear carbon.

C. Operation is also by rack and pinion and provides for adjustment of the rear carbon from Left to Right.

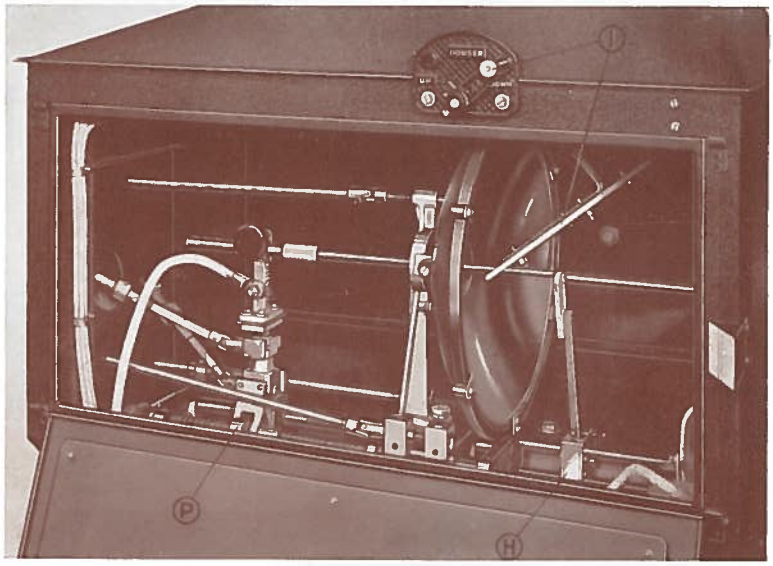


Fig. 2

**D. and E. Mirror Adjustment** (Fig. 3).—D. Horizontal axial motion is transmitted by means of hand wheel operated screwed shaft.

E. This control provides vertical axial motion in a similar manner to that described for D.

**F. Mirror Focussing** (Fig. 3).—A Ball Crank Handle, operating a screwed shaft traverses the complete mirror assembly along the horizontal centre line of the lantern.

**G. Duplicate Carbon Feed** (Fig. 1).—This consists of knurled hand wheel, operating an extended shaft at the front of the lamphouse and can be fitted at the right or left hand side of the lantern as required.

**H. Carbon Positioner** (Fig. 2).—Comprises moveable arm, with heat resisting insulated end, location of the "in" and "out" positions being by means of spring loaded plunger.

**I. Douser** (Fig. 2).—This comprises a heat resisting shield, operated by lever having spring loaded locating device which secures same in the "Up" or "Down" positions.

**J. Blower Control** (Fig. 3).—Consisting of 5-amp. tumbler switch.

**K. Inspection Lamp Control** (Fig. 3).—Consisting of 5-amp. tumbler switch.

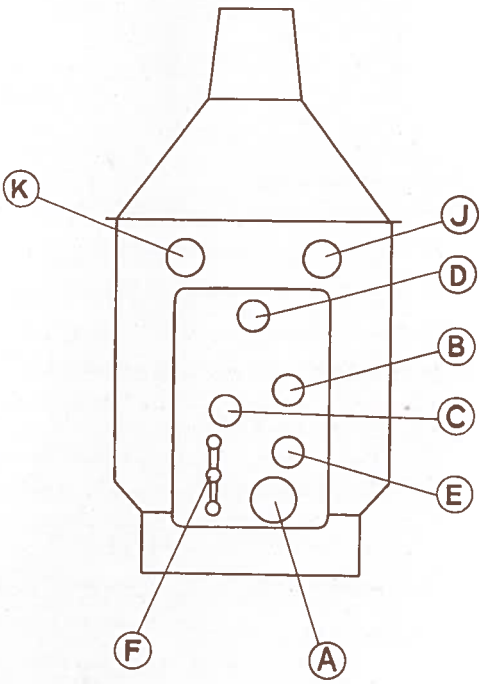


Fig. 3

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