

FOR OFFICIAL USE.

(411)

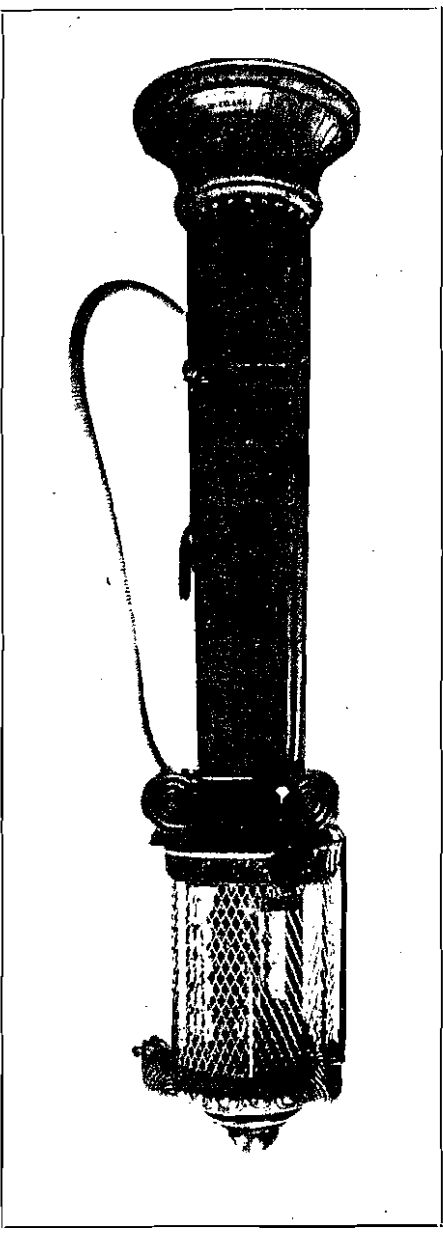
# WEIGHTS AND MEASURES ACT, 1904.

## NOTICE OF EXAMINATION OF PATTERN NO. 411.

SUBMITTED BY THE WAVNE TANK & PUMP CO., LTD.,  
42, NEWLANDS PARK, SYDNEYHAM, S.E.26.

The Board of Trade have examined and tested, with reference to the material of which and the principle on which it is constructed, a pattern of a liquid measuring and delivering instrument of 5 gallons capacity of the form shown herein, which has been submitted to the Department under the provisions of Section 6 of the above Act, and have issued a Certificate No. 337 dated 27th July, 1927, that the pattern is not such as to facilitate the perpetration of fraud when used for the measurement of petrol and other liquids of low viscosity.

Board of Trade,  
Standards Department,  
6, Old Palace Yard,  
Westminster, S.W.1.  
December, 1927.



53-9999.

[P.T.O.]

DESCRIPTION.

This pattern is of the type in which spirit is pumped into a container to a pre-determined level, any spirit in excess of determined quantity being returned through an overflow pipe to the Storage Tank.

The maximum capacity of the instrument is five-gallons and this is subdivided into gallons which are shown by numbered metal markers. There are three sets of such markers equally spaced around the container.

The pumping unit is of the double plunger type operated by a rocking hand lever and is situated in the lower portion of the cylindrical casing.

The glass Container and measuring mechanism are supported on top of this casing.

The glass Container is held between two castings, to the lower of which are attached three pipes, A, B, and C. The fill-pipe A, is coupled to the pumping unit and carries at its upper extremity a valve D, which is normally held closed by a spring.

The discharge pipe B, is coupled to the discharge hose and extends upwards for a short distance into the Container, its upper edge forming a zero level for measurement of the liquid.

When the instrument is in use the liquid never drops below this level but it is possible to drain the Container completely when desired by raising the ball ended lever F.

This opens a gate valve connecting the Container through the port E, with the overflow pipe C.

The maximum quantity of spirit, five-gallons, is determined by the top edge of the upper overflow pipe G, which is adjustable at H, by means of a screw thread and locking ring.

The intermediate quantities of four, three, two and one gallons are obtained by opening one of the valves J, the adjustment in this case being provided by the moveable weights K, attached to the face of the valve box.

The quantity to be delivered is determined by rotating the disc L, which is coupled by a bevel gear to the vertical rod M, carrying radially projected fingers N. The quantity selected is indicated by a figure appearing through a window in the disc L. When the required figure appears, the rod M, is depressed by raising the ball ended lever R.

This operation opens the appropriate valve J, and also the fill valve D.

The rod M, cannot be depressed when the dial is in intermediate positions. This is ensured by a pin P, projecting from the rod M, and engaging with notches in the ring Q.

Delivery to the customer is obtained by raising the ball ended lever S, which controls the discharge valve.

