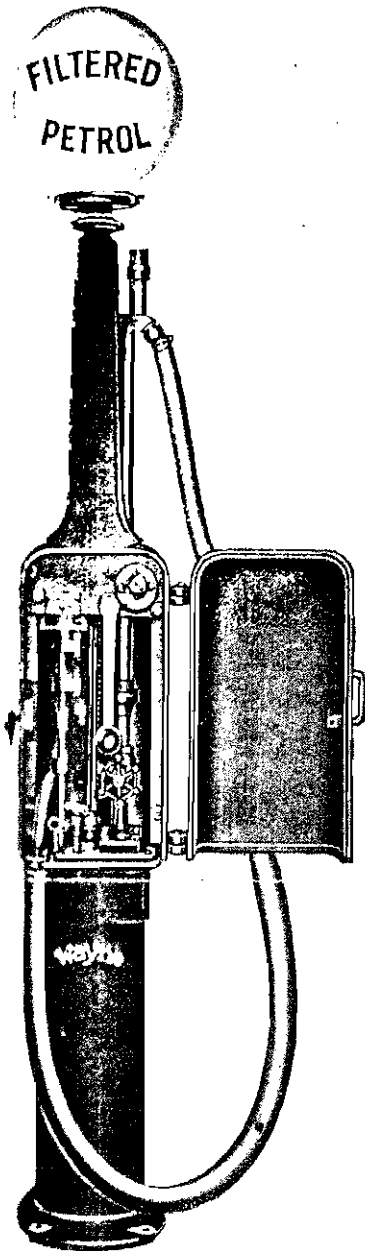


(253)

WEIGHTS AND MEASURES ACT, 1904.

SUBMITTED BY MESSRS. WAYNE TANK AND PUMP COMPANY LIMITED,
INGERSOLL HOUSE, 9, KINGSWAY, LONDON, W.C. 2.



NOTICE OF EXAMINATION OF PATTERN No. 253.

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 self-measuring pump of 1 gallon 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. 195) dated 8th May, 1924, 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,
Old Palace Yard,
Westminster, S.W.1.

17th December, 1924.

(F2191) W 17251/22062/1185 750 12/24 H & Sp Gp 77 *WM 23-36* [P.T.O.]

DESCRIPTION.

This measuring pump delivers either 1 gallon, $\frac{1}{2}$ gallon or 1 pint. Its principle of construction and working action is of the usual piston type where the length of the stroke determines the amount of the delivered quantity.

The dial indicator is marked from 0 to 20 gallons and is arranged so that the indicating pointer does not move until the completion of the full up and down stroke of the piston. This is accomplished as follows. On the completion of the up stroke the stop "C" (Fig. 2) raises the lever "J" operating the link mechanism "J", "H", "G" and rotating the disc "M". This is a setting operation, merely causing a pawl to pass over ratchet teeth within "M". On the completion of the down stroke the catch "F" depresses "J", giving rotation to "M" in the opposite sense. The pawl now being engaged with the ratchet teeth, the rotation is transmitted to the whole mechanism, including the indicating pointer, which passes over one division on the dial corresponding to a delivery of 1 gallon.

This pump may also be stamped when fitted with a sight-glass in position shown on illustration.

A brass plate with the notice "Complete discharge can only be made by a full up and down stroke of the plunger" is affixed to the pump.

All "stops," including the one at the foot of the rack, should be properly wired and sealed (see illustration) for stamping by the Inspector.

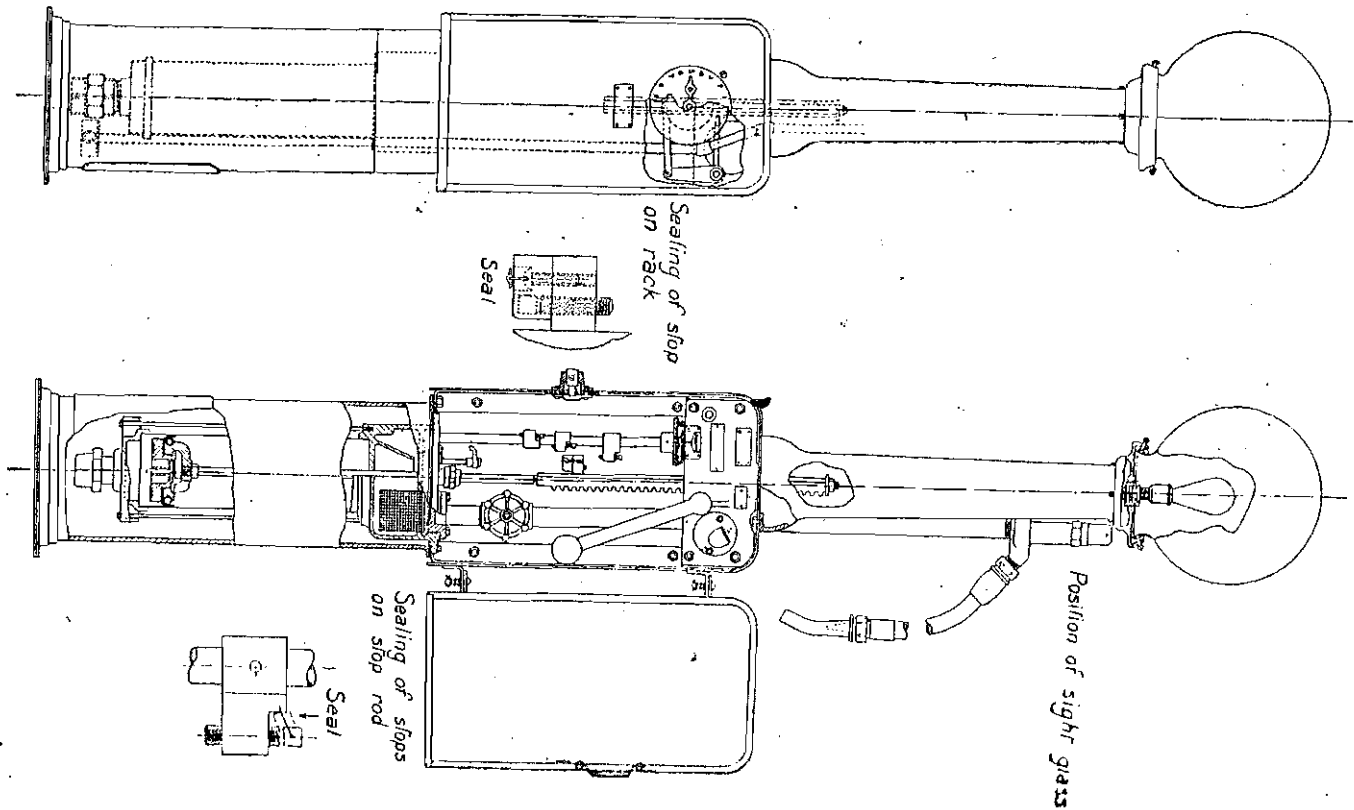


Fig. 1.