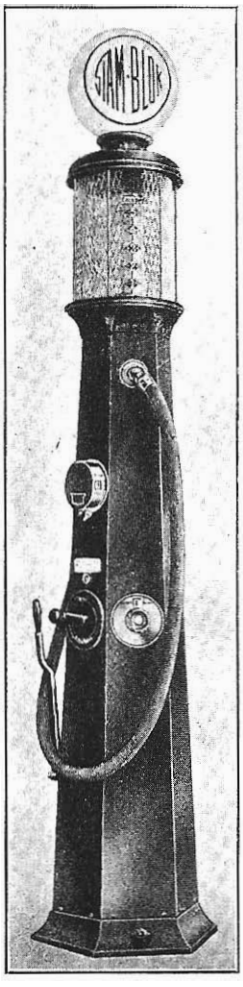
FOR OFFICIAL USE.

(570)

WEIGHTS AND MEASURES ACT, 1904.

NOTICE OF EXAMINATION OF PATTERN No. 570.

SUBMITTED BY MESSRS. S.I.A.M. LTD., KINGSWAY CHAMBERS, 46, KINGSWAY, W.C.2.



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 instrument for delivering in quantities of 5, 4, 3, 2 and 1 gallons 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. 449 dated 28th May, 1929, 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, 1929.

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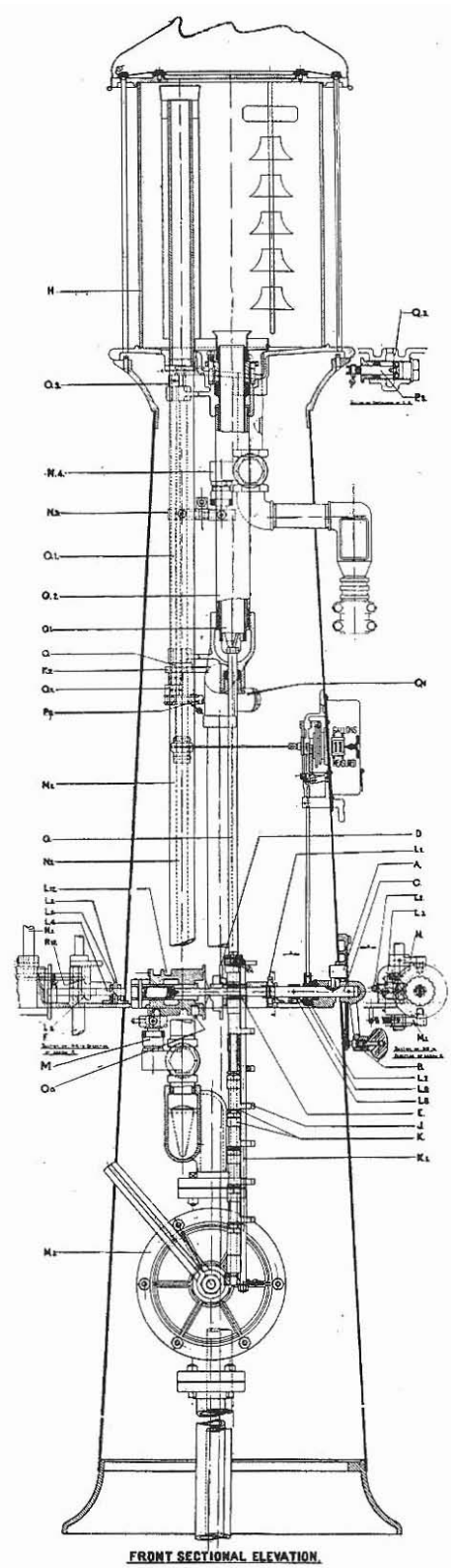
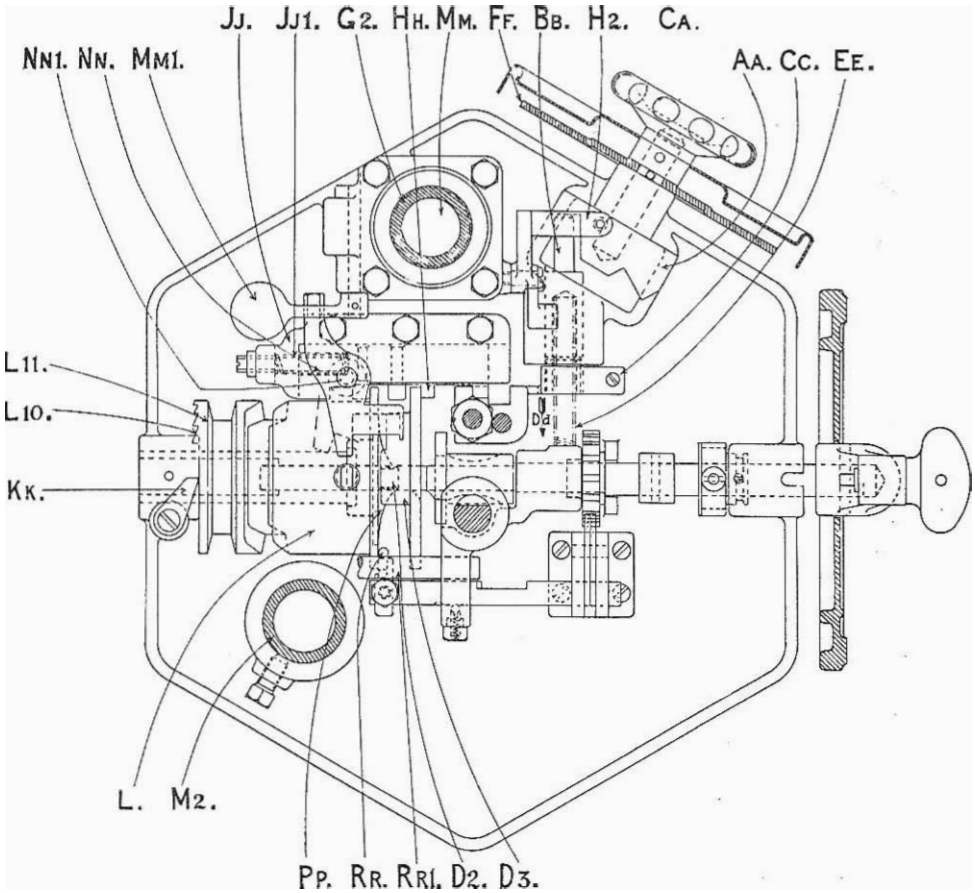


FRONT SECTIONAL ELEVATION.

DESCRIPTION.

This pattern comprises a subdivided visible container mounted on a pedestal for kerbside use and is such that the container is empty before and after delivery of the measured quantity.

A crank handle B turns the spindle C and the disc D which is integral with it and by means of friction studs and a spring rotates the pinion E. This latter engages with a rack F which is fixed to the rod G and overflow tube G1. The rack rising, the tube G1



slides in the overflow pipe G2 and into the visible container H. The movement of tube G1 is determined by the cam motion of faces Aa which on rotation of a hand wheel Ca pushes rod Bb and consequently the stop Cc in a horizontal plane against the action of the spring Ee. The number of faces on Aa corresponds to the number of graduations on the visible container and in this case number five. A disc Ff is keyed to the spindle Cd and is visible to the operator. This disc is marked with a figure corresponding to the cam-face on Aa which has decided the amount of movement of the stop Cc. That is, when 3 gallons are required, the disc is turned