(No Model.)

E. J. ROBINSON.

DEVICE FOR MEASURING AND DRAWING KEROSENE, &c.

No. 306,779. Patented Oct. 21, 1884.

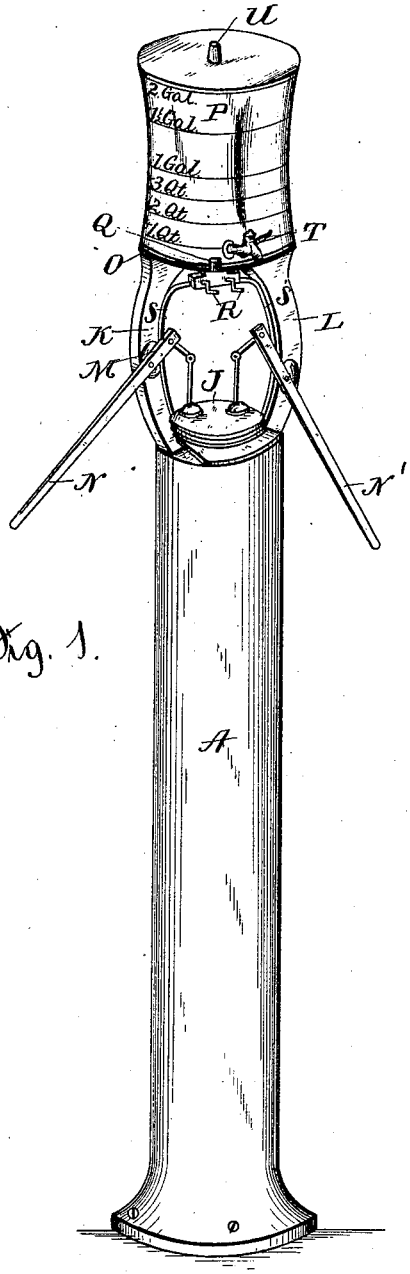

Fig. 1.

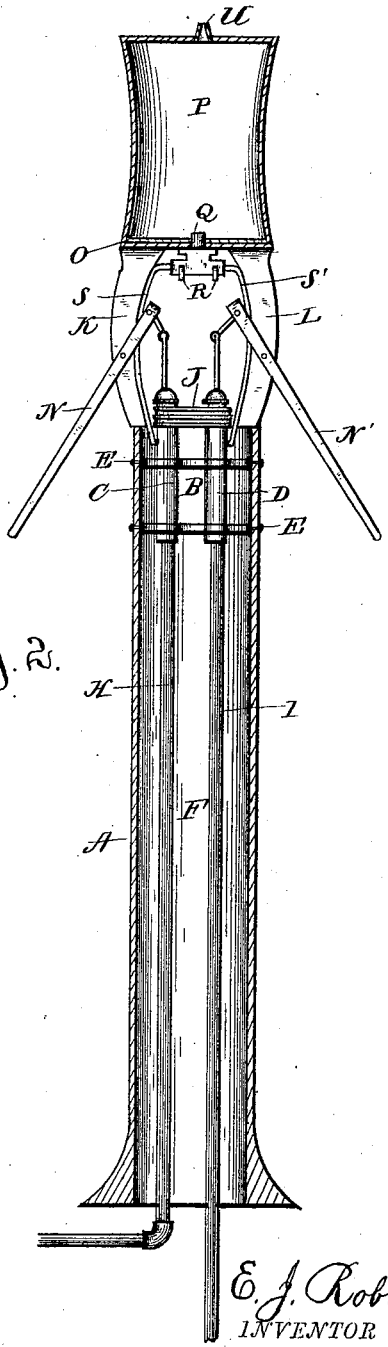

Fig. 2.

WITNESSES
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EDWARD J. ROBINSON, OF FLUSHING, NEW YORK.

DEVICE FOR MEASURING AND DRAWING KEROSENE, &c.

SPECIFICATION forming part of Letters Patent No. 306,779, dated October 21, 1884.

Application filed June 7, 1884. (No model.)

To all whom it may concern:

Be it known that I, EDWARD J. ROBINSON, a citizen of the United States, residing at Flushing, in the county of Queens and State of New York, have invented a new and useful Device for Measuring and Drawing Kerosene, &c., of which the following is a specification, reference being had to the accompanying drawings.

This invention has relation to devices for pumping, measuring, and drawing kerosene and other oils without the use of the funnel and measuring-cups commonly employed; and it consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claims.

Figure 1 is a view in perspective of a device embodying my improvements. Fig. 2 is a vertical sectional view.

Referring by letter to the accompanying drawings, A designates a cast-iron stand or column, preferably round, which is provided in its upper end with a chamber, B, in which two force-pumps, C and D, of brass, joined together and connected to the stand by lugs E, are located. Below the chamber B the column or stand is provided with two passages, through which the supply-pipes H and I pass to the pumps, to the bases of which they are connected.

Instead of forming the chamber B with two passages, I prefer to cast the column hollow from end to end and fasten the pumps to the inside of the stand or column by lugs. The walls of the column should be about one-fourth of an inch in thickness. This is cheaper, and is the construction I resort to in practice. The base of the stand is made flaring, and provided with bolt-holes, so that it may be firmly secured to the floor by bolts. The top of the stand is provided with a removable cover, J, provided with openings for the passage of the pump-rods. The top of the column A is provided with two arms, K and L, of the same thickness as the column-wall, curved outwardly, and provided with butts M for the pump-levers N N', and provided on their upper ends with an annular support, O, for the measuring-vessel P. The measuring-vessel P is of glass, and has a pipe, Q, entering it through its bottom. The pipe Q is provided with try-cocks R, to which the ejection-pipes S S', leading from the force-pumps C and D, are connected, and said try-cock is so arranged that when it is turned to open the pipe S it will shut off the pipe S', and vice versa. The measuring-vessel is provided at one side, at its bottom, with a spring-cock, T, through which the contents of the measuring-vessel may be drawn into any vessel desired.

In the top of the measuring-vessel I provide a vent, U, which admits air to the measuring-vessel when its contents are being drawn off.

The measuring-vessel is a two-gallon vessel, and is graduated from a pint upward, as shown. The supply-pipes are extended under the floor of the building in which the device is set up any distance desired, and connected to the barrel from which the kerosene or other oil is to be drawn, and either of the pumps worked to force the oil into the measuring-vessel, from which it may be drawn without the use of the funnel and measuring-cup into any vessel in the quantity required.

This device possesses the advantage of affording safety in cases of fire and the avoidance of damage to the stock in groceries arising from kerosene, the oil being placed so far from the stock of groceries as to prevent the damage. There is no waste from spilling, as the spring-cock T is self-closing, and is always closed except when brought into use for drawing the oil.

The device can be placed in any part of the store that may be desired for convenient use with perfect safety to the goods.

The height of the full measuring device is five feet six inches, and it may be ornamented in any design desired.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, with the hollow column or stand provided with the flaring perforated base, and the curved arms having the support for the measuring-vessel, of the two force-pumps joined together and connected to the interior of the stand near its upper end, and to the supply-pipes passing up through the stand, the glass measuring-vessel, graduated as described, and provided with the spring-cock and vent, and the ejection-pipes connected

to the try-cock at the lower end of a pipe entering the bottom of the measuring-vessel, substantially as specified.

2. The combination, with the hollow cast-iron stand having the arms and a support at their upper ends, of the two force-pumps connected to the interior of the hollow stand and to the supply-pipes, and having their levers fulcrumed to the arms of the stand, and the glass measuring-vessel connected to the ejection-pipes of the pumps, and graduated as described, and provided with a spring-cock and a vent, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

EDWARD J. ROBINSON.

Witnesses:

JAMES H. SHERIDAN,

JOHN F. SHERIDAN.