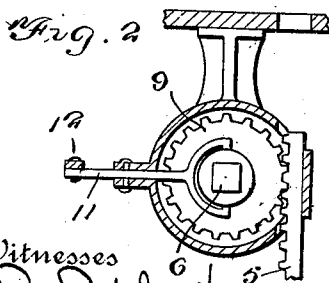
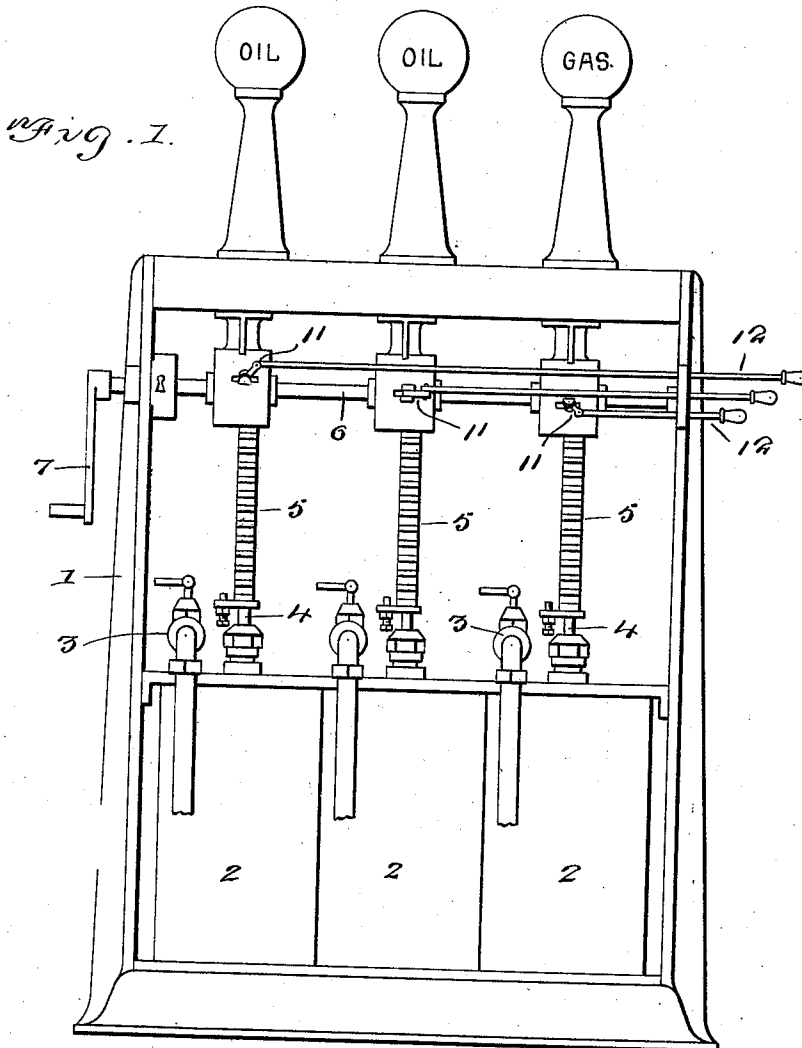


J. B. BELK.
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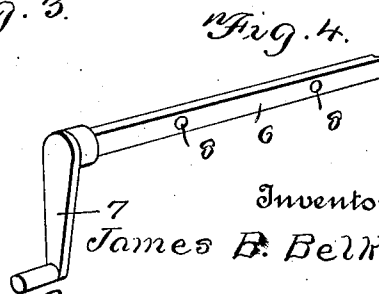
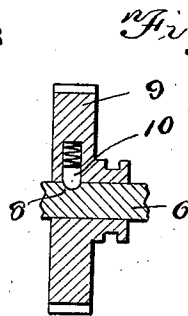
APPLICATION FILED JAN. 17, 1919.

1,318,718.

Patented Oct. 14, 1919.



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Patented Oct. 14, 1919.

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To all whom it may concern:

Be it known that I, JAMES B. BELK, a citizen of the United States, residing at Charlottesville, in the county of Albemarle and State of Virginia, have invented new and useful Improvements in Pumps, of which the following is a specification.

This invention relates to a novel construction of oil pump of the self-measuring type and the principal object of the invention is to provide means whereby different kinds of oils may be delivered by the same apparatus.

Another object of the invention is to provide a single handle with means for connecting it to any one of a number of pumps for delivering the desired kind of oil or gasoline.

The invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described and illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is an elevation of the invention.

Fig. 2 is a vertical section with parts in elevation.

Fig. 3 is a detailed view of one of the cog wheels.

Fig. 4 is a view of the operating shaft and its handle.

In these views, 1 indicates the housing for inclosing the measuring cylinders 2 and the operative parts of the apparatus. The drawing shows three of these measuring cylinders though it will be understood any desired number of these cylinders may be used. These cylinders are connected with the oil tanks, as usual and each cylinder is provided with the usual plunger and the valve controlled outlet nozzle 3. Each plunger is connected with a plunger rod 4 which passes through a packing gland in the top of each cylinder, and at its upper end each rod is connected with a rack 5.

A cross shaft 6 is suitably journaled in the upper part of the housing and is provided with a handle 7, whereby the shaft may be

rotated. The shaft is square in cross section and is provided with a plurality of depressions 8. Slidably mounted on said shaft are a number of cog wheels 9, said wheels being provided with square openings to fit the shaft. The wheels are also provided with spring press plungers 10 which are adapted to engage the depressions 8, when said wheels are moved into operative position, with their teeth engaging the racks.

The means for shifting the cog wheels on the shaft comprises a plurality of bell crank levers 11, each of which is provided with a forked end for engaging an annular groove in the respective cog wheel and its other end being connected with an operating lever 12, which passes through the housing and is provided with a suitable handle whereby the same may be moved longitudinally to rock the bell crank lever to shift the cog wheel into and out of operative position.

It will thus be seen that by operating a certain lever any desired cog wheel may be thrown into engagement with its rack to operate the desired pump by a single handle. In this way the apparatus may be made to deliver different kinds of oils or it may be used for delivering both oils and gasoline.

Having described the invention, what is claimed is:

1. An apparatus of the class described comprising a housing, a plurality of pumps therein, a shaft in said housing normally disconnected from all the pumps, means for rotating the shaft and means for connecting said shaft with any desired pump.

2. An apparatus of the class described comprising a housing, a plurality of pumps therein, racks connected with the plunger rods of the pumps, a shaft journaled in said housing, a handle for rotating the shaft, cog wheels slidably mounted on the shaft and means for moving any desired wheel into engagement with its rack.

3. An apparatus of the class described comprising a housing, a plurality of pumps therein, racks connected with the plunger rods of the pumps, a shaft journaled in said housing, a handle for rotating the shaft, cog wheels slidably mounted on the shaft and levers for moving the cog wheels into engagement with the racks.

In testimony whereof I affix my signature.

JAMES BOGAN BELK.