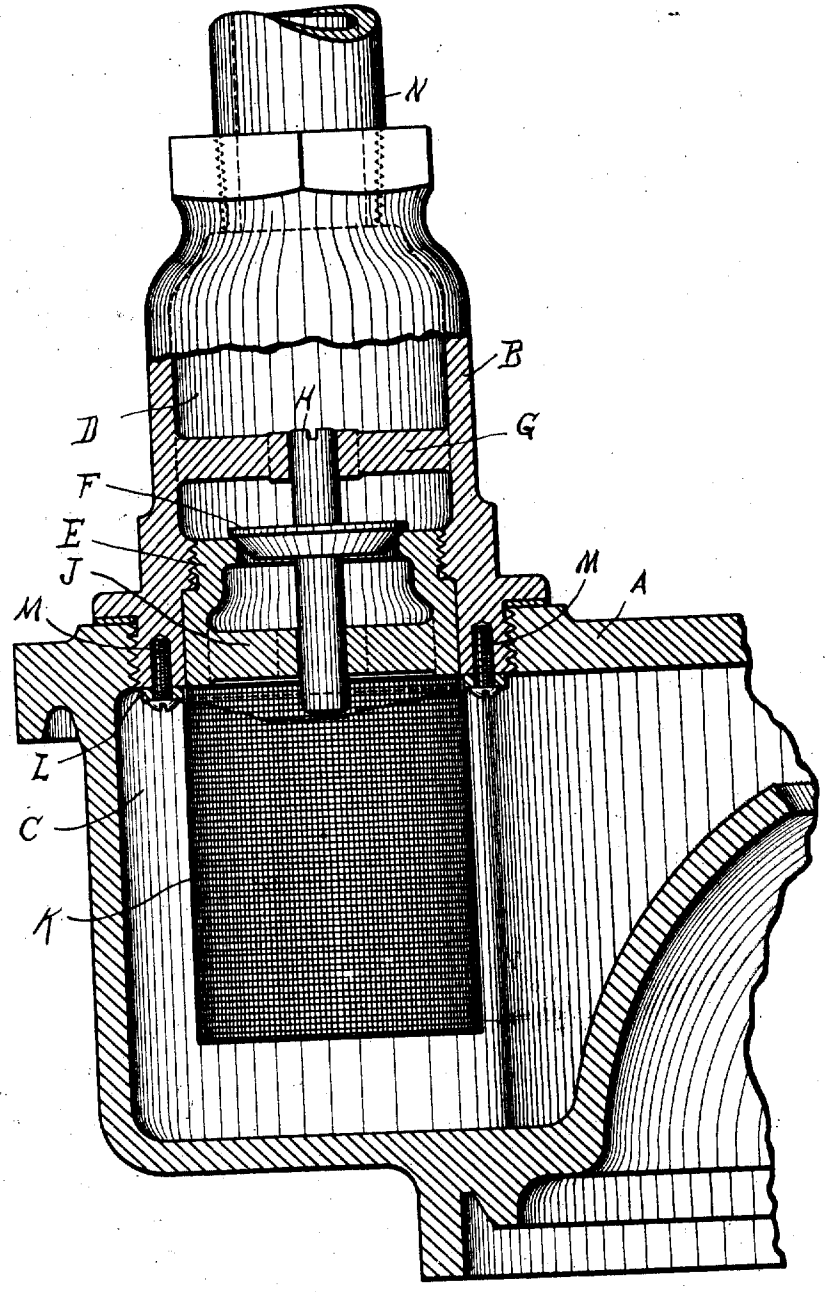
A. D. HEATH.

DISCHARGE DEVICE FOR PUMPS.

APPLICATION FILED OCT. 21, 1916.

Patented Nov. 20, 1917.

1,247,533.



WITNESSES:

Matilda Mettler

Sophia Heinz

Almon D. Heath INVENTOR.

BY A. G. Burns

ATTORNEY

UNITED STATES PATENT OFFICE.

ALMON D. HEATH, OF FORT WAYNE, INDIANA, ASSIGNOR TO WAYNE OIL TANK & PUMP COMPANY, A CORPORATION OF INDIANA.

DISCHARGE DEVICE FOR PUMPS.

1,247,533. Specification of Letters Patent. Patented Nov. 20, 1917.

Application filed October 21, 1916. Serial No. 127,006.

To all whom it may concern:

Be it known that I, ALMON D. HEATH, a citizen of the United States of America, and resident of Fort Wayne, in the county of Allen and State of Indiana, have invented certain new and useful Improvements in Discharge Devices for Pumps, of which the following is a specification.

This invention relates to improvements in discharge devices for pumps, and especially is intended for use in connection with that class of pumps ordinarily used for dispensing liquid fuel and lubricants. The object of the invention is to provide a screen for the discharge opening of the pump that may be readily removed and replaced as occasion may require, and a further object is to combine the screen and outlet valve so they may be together removable for repair or cleansing.

The objects of the invention are accomplished by the construction illustrated in the accompanying drawing, and referring now to the characters of reference marked thereupon:

A is the chambered head of a dispensing pump of well-known construction, and (B) is a dome, threaded at its lower end and fitting into the head (A) so that the chamber (C) of the head has communication with the chamber (D) of the dome. A valve-seat (E) is removably secured in the lower part of the dome and a valve (F) rests thereon. A guide (G) in the dome is provided for the stem (H) of the valve and another guide (J) integral with the casting that forms the valve-seat is also provided for the valve-stem.

To the lower end of the dome is secured a cup-shaped screen (K) that extends into the chamber (C) of the head (A). The upper marginal edge of the screen has soldered connection with an annular ring (L) that is secured directly to the adjacent bottom face of the dome by means of screws (M).

The upper end of the dome has a pipe (N) connected therewith which may lead to any suitable point of discharge.

The intention of the invention is that the flow of liquid from the chamber (C) of the pump will pass through the screen and valve and continue through the dome and discharge pipe, and at any time the screen or valve becomes fouled or ineffective in operation, the screen and valve may both be removed readily and examined, repaired and replaced. The present construction facilitates the operations in effecting the occasional repairs and cleansing that become necessary to the efficient working of the apparatus. The dome contains and has attached thereto, the valve and the screen, and by removing the dome the valve and screen are carried with it so they may be very readily disassembled, or reassembled and replaced. The facility thus afforded renders the invention useful because of the accessibility of the parts when repair or cleansing become necessary.

What I claim is:—

1. In combination with a chambered pump-head having an opening therein, a chambered dome having connection with the pump-head coincident with the opening, a valve-seat removably fitted within the dome, a valve seated thereon, and a screen removably attached to and covering the lower end of the dome beneath the valve therein.

2. In apparatus of the class described, a chambered pump-head having an opening therein, a chambered dome secured to the head and covering the opening therein, and a screen having removable connection with the lower end of the dome, extending into the chamber of the pump-head, and being adapted to be removed with the dome from the pump-head.

3. In apparatus of the class described, a chambered pump-head having an opening therein, a chambered dome in removable connection with the pump-head coincident with the opening therein, a removable valve-seat fitted within the dome, a valve seated thereon, and a screen extending into the chamber of the pump-head and removably secured to the lower end of the dome beneath the valve-seat, said dome, valve and screen being adapted to be together removed from the pump-head.

In testimony whereof I affix my signature, in presence of two witnesses.

ALMON D. HEATH.

Witnesses:
GEORGE U. BRAKE,
EMIL M. GELLERT.