

D. N. GREEN.

PUMPS.

No. 182,363.

Patented Sept. 19, 1876.

Fig. 1.

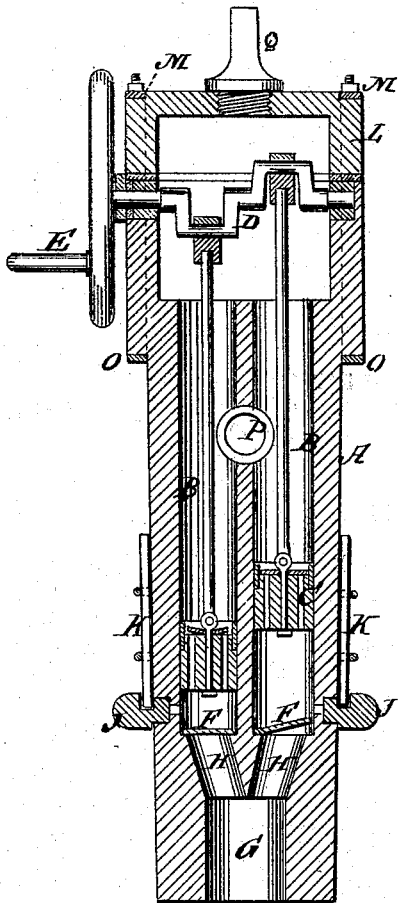
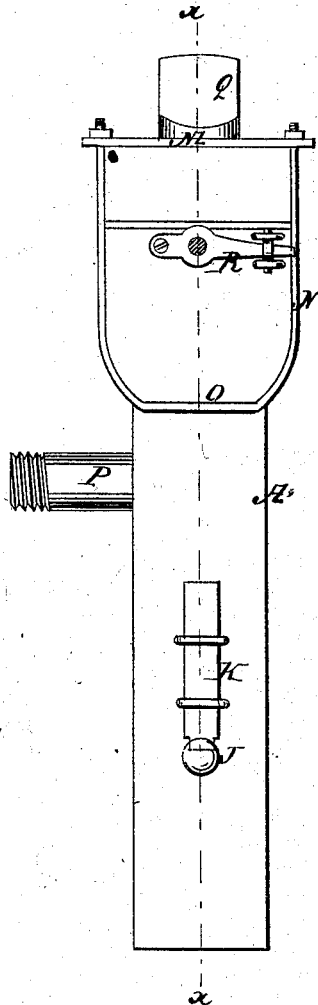


Fig. 2.



WITNESSES:

*E. Hoff*  
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# UNITED STATES PATENT OFFICE.

DAVID N. GREEN, OF ROCKBRIDGE, OHIO.

## IMPROVEMENT IN PUMPS.

Specification forming part of Letters Patent No. **182,363**, dated September 19, 1876; application filed May 16, 1876.

*To all whom it may concern:*

Be it known that I, DAVID NEWTON GREEN, of Rockbridge, Hocking county, State of Ohio, have invented a new and improved Pump, of which the following is a specification:

The invention consists in the improvement of pumps, as hereinafter described.

Figure 1 is a sectional elevation of the pump, on line *x x*, Fig. 2; and Fig. 2 is a side elevation.

A is the pump-stock, in the upper part of which are two pump cylinders or barrels, B, each containing a plunger, C, the rod of which is connected to the crank-shaft D to be turned by a handle, L, or by any approved application of power. The barrels B connect below the cheek-valves F with the suction-tube G by the branches H, and at the lower end they are fitted with removable plugs J to let the water run out in cold weather, said plugs being kept in place by the sliding keys K. The top of the pump-stock is closed by a cap, which is firmly secured by the yokes N fitted under

the shoulders O, and connected to the cross-bars M on the top. The spout P is fitted for screwing on a hose or a cap to close it, and in the cap L is a screw-hole for attaching the pipe P, if desired, said hole being closed by a screw-plug, Q, which may be secured in the spout-hole, whereas the spout is fitted in the top. The journal-bearings of the shaft are packed by clamps R, or stuffing-boxes may be used, if preferred. This construction makes a very simple suction and force-pump for farm and railroad use, as well as for extinguishing fires, and being suitable for hand or power.

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

The detachable plugs J, held over lateral apertures in pump stock by sliding keys, as shown and described.

DAVID NEWTON GREEN.

Witnesses:

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