

C. W. Hoyt,

Pump Lever,

No. 83,065,

Patented Oct. 13, 1868.

Fig. 1.

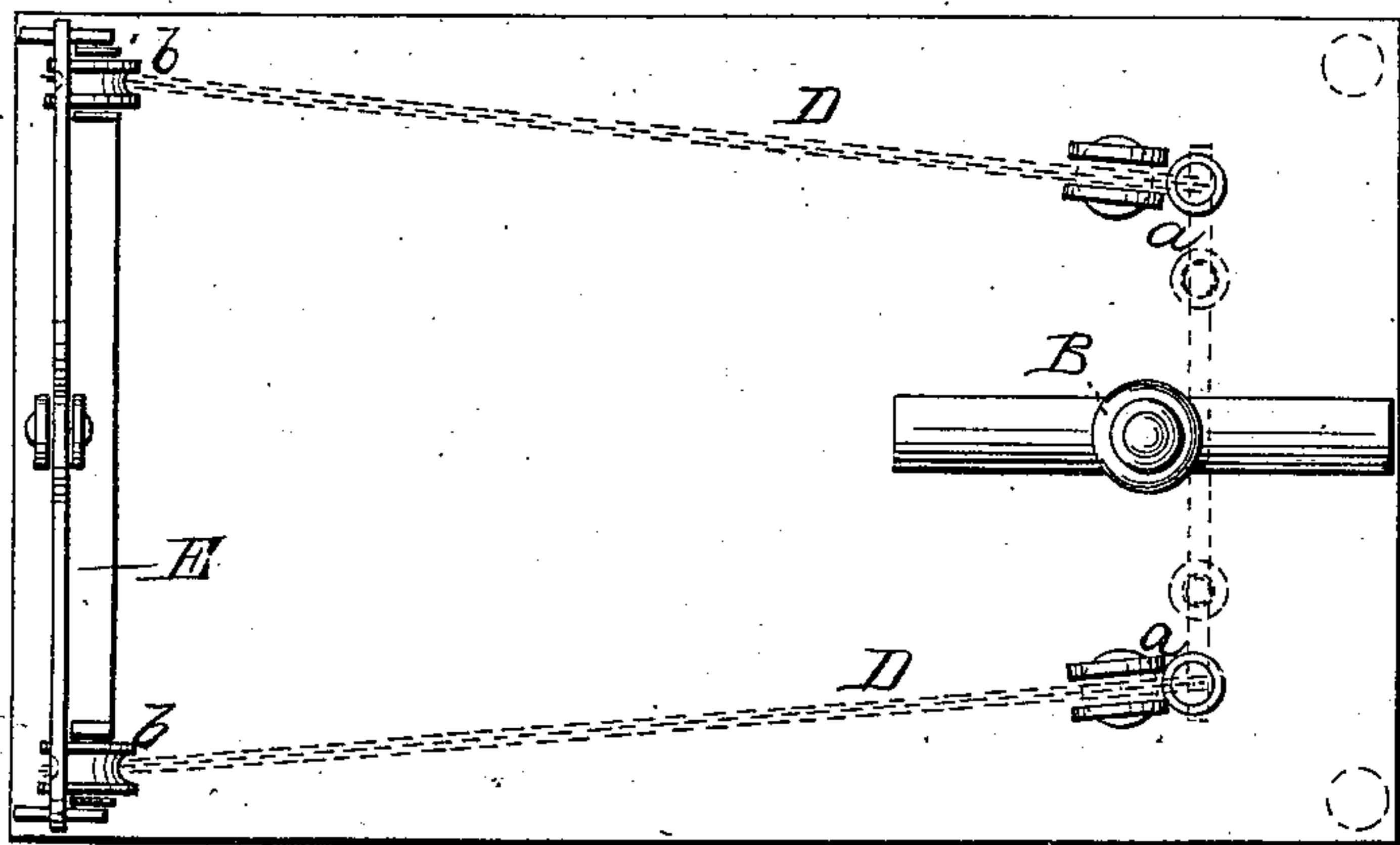
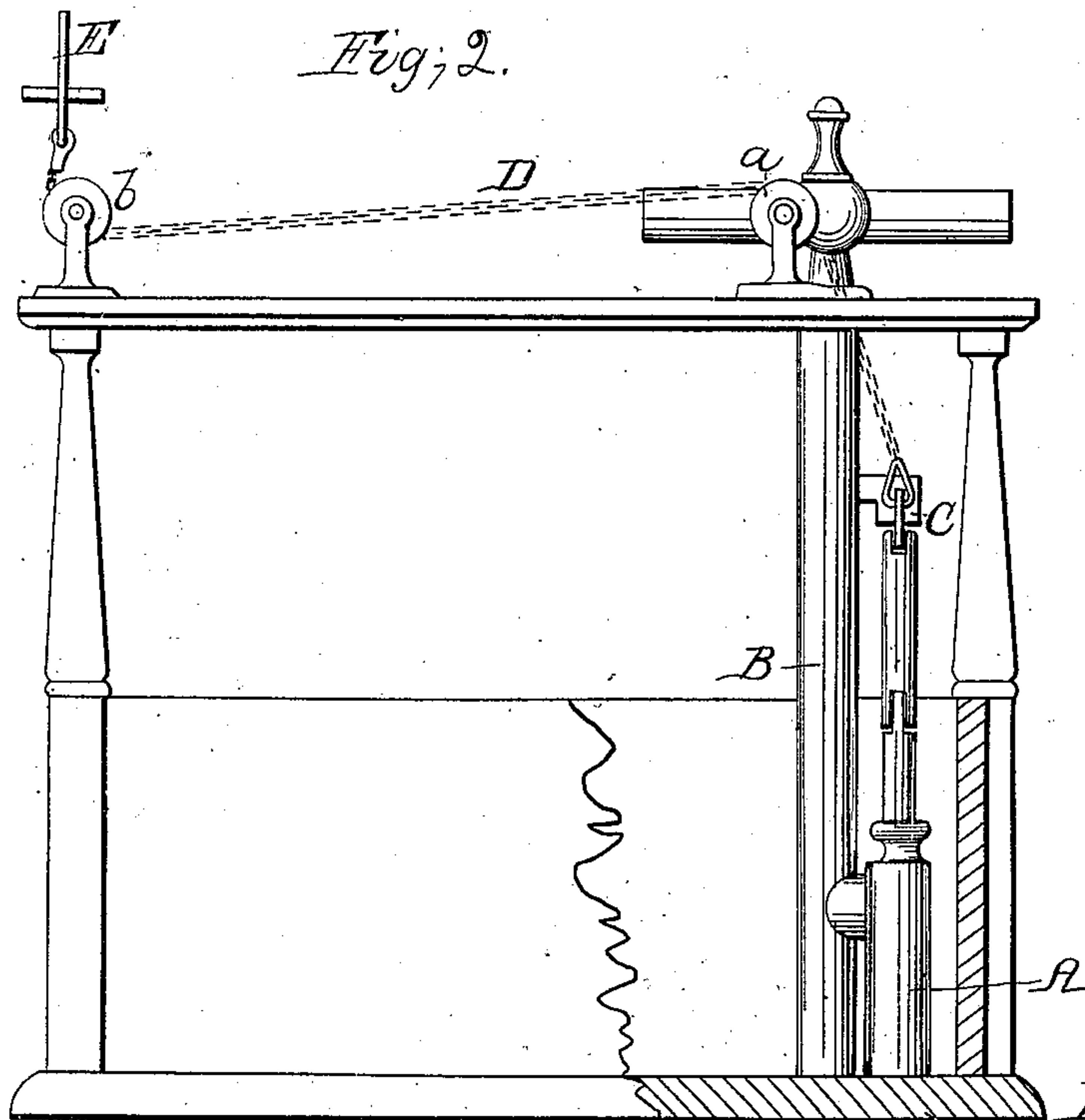


Fig. 2.



Witnesses;
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CHARLES W. HOYT, OF SOUTH NORWALK, CONNECTICUT.

Letters Patent No. 83,065, dated October 13, 1868.

IMPROVEMENT IN PUMPS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES W. HOYT, of South Norwalk, in the county of Fairfield, and State of Connecticut, have invented a new and useful Improvement in Operating Pumps; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved means for operating pumps, and is more especially designed for those cases where the power cannot be conveniently applied in close proximity to the pump.

The invention consists in the application of levers, chains, and guide-pulleys, as hereinafter fully shown and described, whereby the pump may be operated from different points, as may be required, and in the most efficient manner.

In the accompanying sheet of drawings—

Figure 1 is a plan or top view of my invention.

Figure 2, a side view of the same.

Similar letters of reference indicate corresponding parts.

A represents a double-acting force-pump, and B the discharge or eduction-pipe thereof.

The piston-rods of the two pump-cylinders are connected to the ends of a lever or brake, C, each end of which has a chain, D, connected to it.

These chains D D pass over and under guide-pulleys, *a a, b b*, placed at such points as to give the chains a proper direction and position to admit of their being attached to the ends of a brake-lever, E, to which the power is applied.

By this arrangement, it will be seen that the lever E may be placed at any convenient distance from the pump A, and the latter operated in the most efficient manner, so that the water may be raised to any convenient height, a greater or less number of pulleys, *a b*, being employed, as the nature of the case may require.

I claim as new, and desire to secure by Letters Patent—

The arrangement herein shown and described of the operating-lever E, chains D, pulleys *a b*, and brake C, with relation to the double-acting pump A B, all as set forth for the purpose specified.

CHARLES W. HOYT.

Witnesses:

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