

A. S. BAKER.

PUMP.

No. 175,902.

Patented April 11, 1876.

Fig. 1.

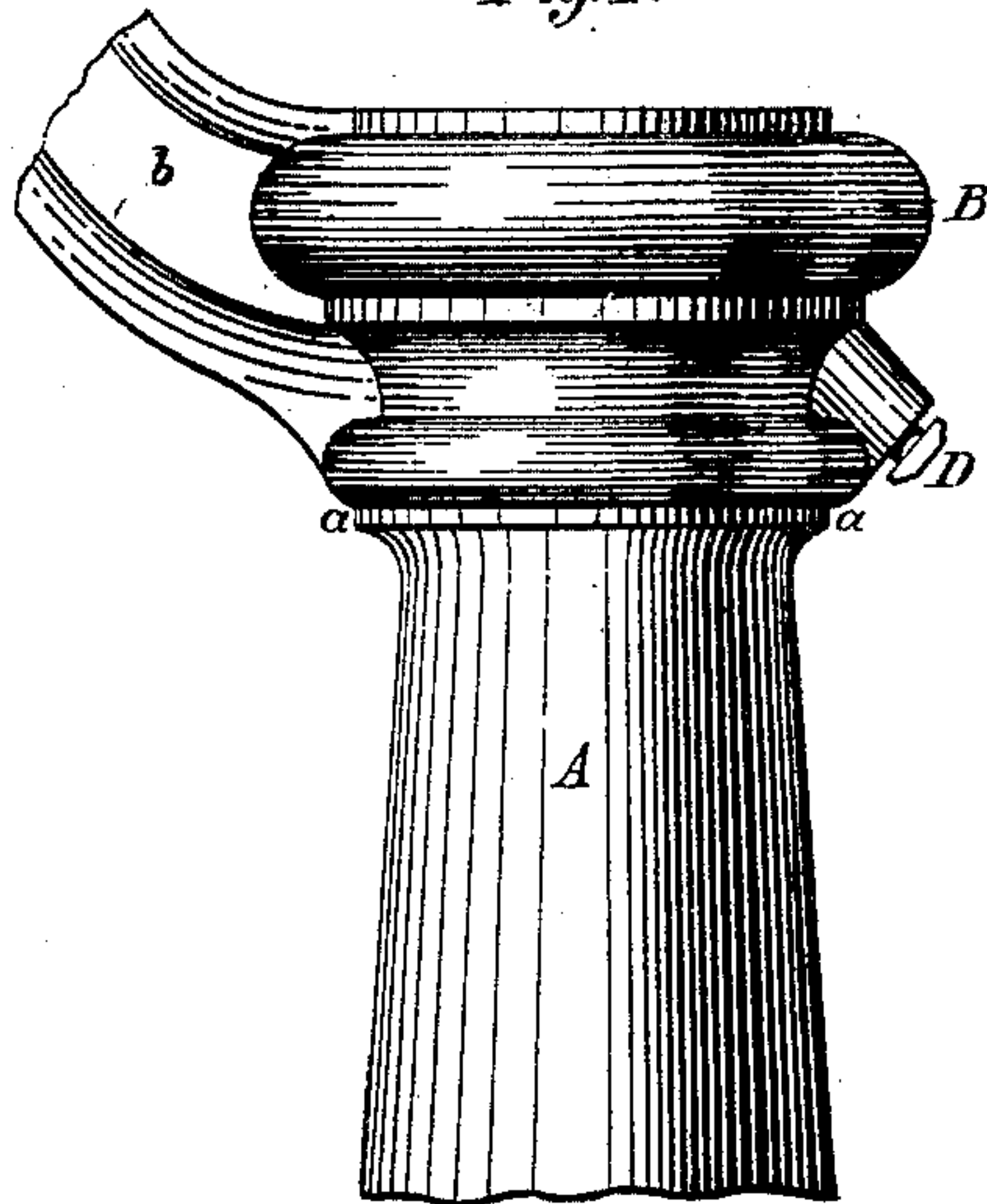


Fig. 2.

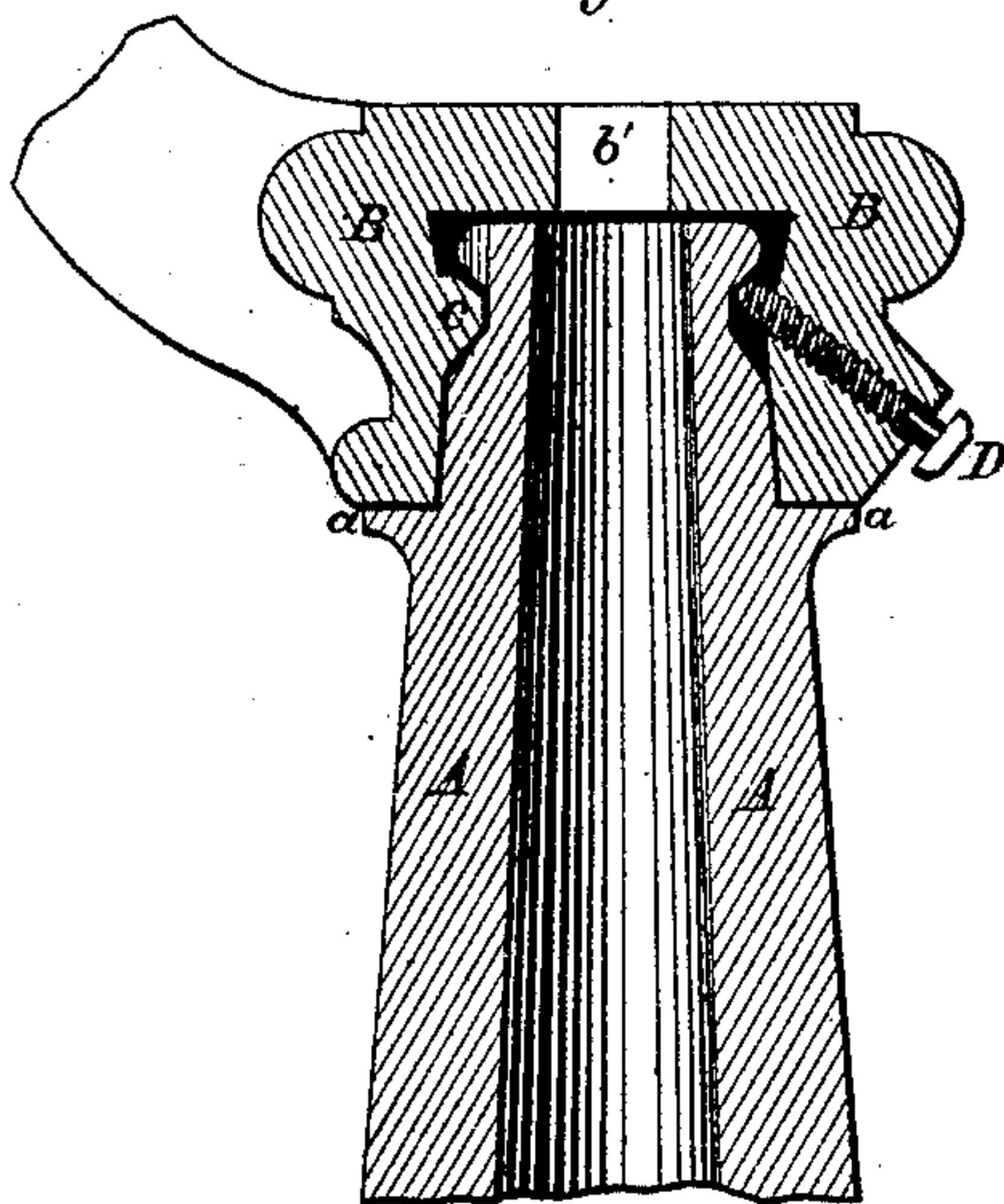
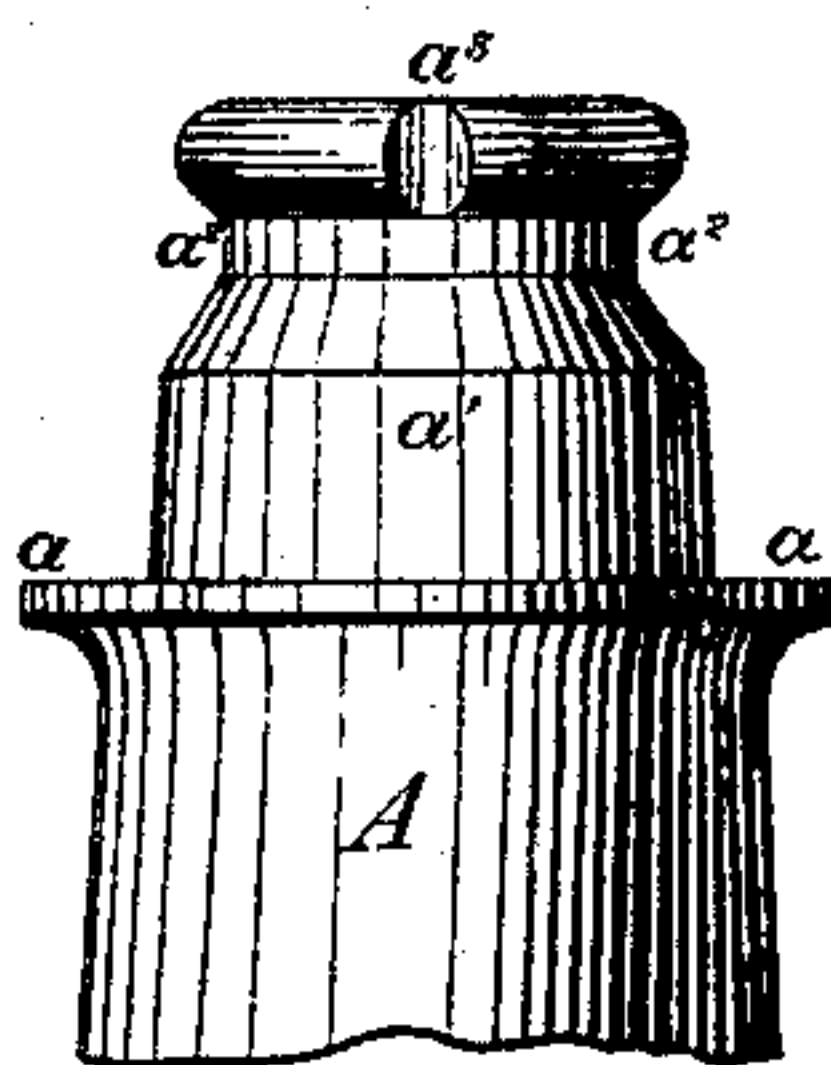


Fig. 3.



Attest:

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UNITED STATES PATENT OFFICE.

ALLEN S. BAKER, OF EVANSVILLE, WISCONSIN.

IMPROVEMENT IN PUMPS.

Specification forming part of Letters Patent No. **175,902**, dated April 11, 1876; application filed November 23, 1875.

To all whom it may concern :

Be it known, that I, ALLEN S. BAKER, of Evansville, in the county of Rock and State of Wisconsin, have invented a new and useful Improvement in Pumps; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The object of my invention is the production of a revolving top for hand-pumps, which will allow the pump-handle to be turned to any desired point, and hold it firmly in such position, without any rattling of the parts when the pump is operated.

My invention therein consists, in the combination, construction, and arrangement of the various parts which compose my revolving pump-top and connections, all as more fully hereinafter explained.

To enable others skilled in the art to manufacture my device, I now describe the same in connection with the drawings, in which—

Figure 1 is a side elevation; Fig. 2, a central vertical section; and Fig. 3, a side elevation of the top of the pump-standard detached.

Like letters denote corresponding parts in each figure.

A represents the pump-standard or barrel, having near its top a shoulder, *a*, the standard being slightly enlarged to form such shoulder. Above the shoulder *a*, the standard is contracted and is cylindrical in general outline, the standard below the shoulder being of any desired form. The top of the standard, denoted by the letter *a*¹, is provided with a groove, *a*², extending horizontally entirely around it, the upper surface of such groove slanting inwardly on an incline of about 45°. From the groove *a*², and passing upwardly, is another groove, *a*³, extending to the top of the standard. The extreme upper part of the standard may be slightly rounded. B represents the revolving top, which is cast with the handle fulcrum-arm *b*. The revolving top is

a hollow casting, its interior being cylindrical in general outline, and adapted to slip over the top *a*¹ of the standard, and rest upon the shoulder *a*. A slot, *b*¹, is cast in the center of upper face of the revolving top, through which the plunger-rod plays. A lug, C, is cast on the inside of the revolving top and projects inwardly. D is a set-screw which is tapped through the side of the revolving top, inclined inwardly and upwardly, entering the interior of the said revolving top opposite the lug C, and within the groove *a*². The revolving top is attached to the standard by backing the set-screw D well out, and turning the top around till the lug C comes in line with the groove *a*³, when the top B slips over the top of the standard and rests upon the shoulder *a*. The top is turned so as to bring the pump-handle in the desired position, and the set-screw is then set up till it bears against the upper part of the groove *a*², thus drawing the lug C under the upper surface of the groove and forcing the top B down onto the shoulder *a*.

By this device the revolving top is held so firmly that when the pump is operated there is no rattling or moving of the parts, and at the same time, by unloosening the set-screw, the handle can be turned to any position, or the top and plunger-rod, with valve or bucket, entirely removed for repairs.

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

The combination, with the standard A, provided with the shoulder *a*, groove *a*², and vertical groove, *a*³, of the revolving top B, having the lug C and set-screw D, substantially as described and shown.

This specification signed and witnessed this 13th day of November, 1875.

ALLEN S. BAKER.

Witnesses:

JAMES H. HOSKINS.
W. S. SMITH.