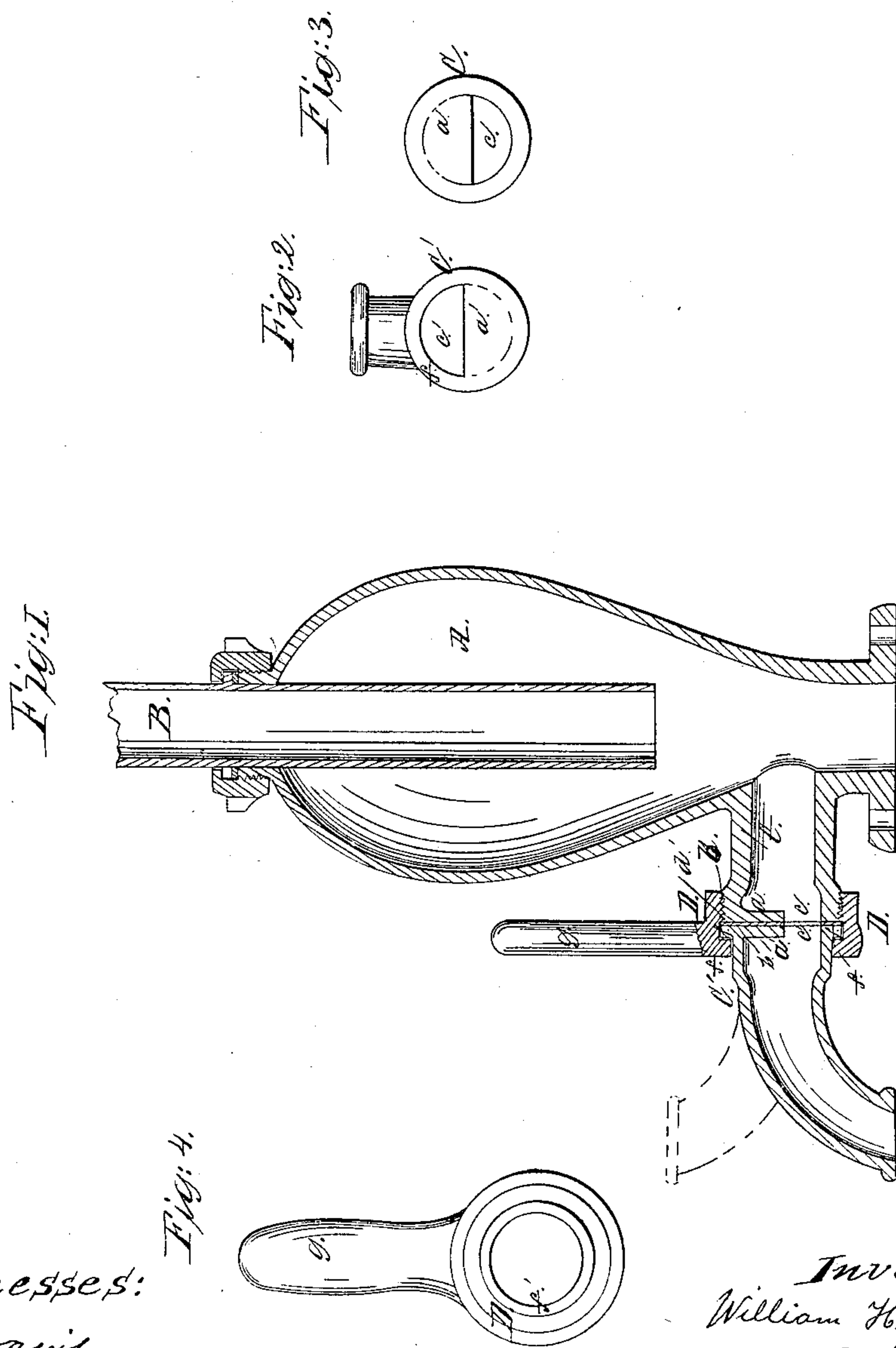


W. H. POLLARD.
CUT-OFF STOP COCK.

No. 67,214.

Patented July 30, 1867.



Witnesses:

J. A. Davis
George Cairnes

Inventor:
William H. Pollard
By J. L. Lamm & Co
Attys

United States Patent Office.

WILLIAM H. POLLARD, OF SENECA FALLS, NEW YORK, ASSIGNOR TO DOWNS
& CO.'S MANUFACTURING COMPANY, OF THE SAME PLACE.

Letters Patent No. 67,214, dated July 30, 1867.

IMPROVEMENT IN CUT-OFF STOP-COCKS.

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, WILLIAM H. POLLARD, of Seneca Falls, in the county of Seneca, and State of New York, have invented a certain new and useful Improvement in Double-Discharge Pumps; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

Figure 1 is a central vertical section of the air-chamber of a double-discharge pump, provided with my improvement.

Figures 2, 3, and 4, detail views, showing respectively the lower outlet spout or pipe turned up, the seat of the pump against which it rests, and the clamping-nut that holds the parts in contact.

Like letters of reference indicate corresponding parts in all the figures.

My invention consists in so arranging the lower discharge spout or pipe of a double-discharge force-pump that the same may be turned up or reversed, and clamped in that position, so as to cut off the exit of water and cause it to be raised through the upper pipe above, as hereafter described.

As represented in the drawings, A is the ordinary air-chamber of a pump, which is bolted in place in the usual manner; B is the upper discharge pipe leading to the upper rooms; C is the lower discharge outlet, and C' the spout or pipe connecting with it. The contiguous ends of C and C' have plain seats, *a a'*, which fit together with a packing, *b*, between, and they are also provided with corresponding ports, *c c'*, occupying only a portion of the circle. The end of C has a screw-thread, *d*, cut upon it, and C' has a circular flange or rim, *f*, as shown. Over these fits a nut, D, having corresponding parts *d' f'*, which thus hold them firmly together. The nut is provided with a handle or lever, *g*, for facility of operation.

The operation will be readily understood. When it is desired to pass water through the lower discharge the ports rest in coincidence, as shown. When it is desired to cut off the passage from the lower pipe the nut is turned back to loosen the part C', which is then turned up into the position indicated by red lines, fig. 1; this brings port *c'* opposite closed seat *a*, and port *c* opposite seat *a'*. The nut is now turned up tight again, closing the ports against the packing and cutting off the flow effectually.

This arrangement is very effective in pumps of this kind, having a double-discharge to supply both lower and upper rooms. When it is desired to turn on the flow through the upper pipe the lower discharge is cut off in a moment's time. The arrangement is very simple and cheap.

What I claim as my invention, and desire to secure by Letters Patent, is—

The valved swivelled spout C' and clamping-nut D, in combination with the valved outlet pipe C of a double-discharge pump, the whole arranged and operating in the manner and for the purpose herein set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

WM. H. POLLARD.

Witnesses:

C. O. WHARTINLY,
JOHN McCABE.