

D. F. Dodge,

Two Way Cocks.

No. 27,366.

Patented Nov. 30, 1869.

Fig. 1.

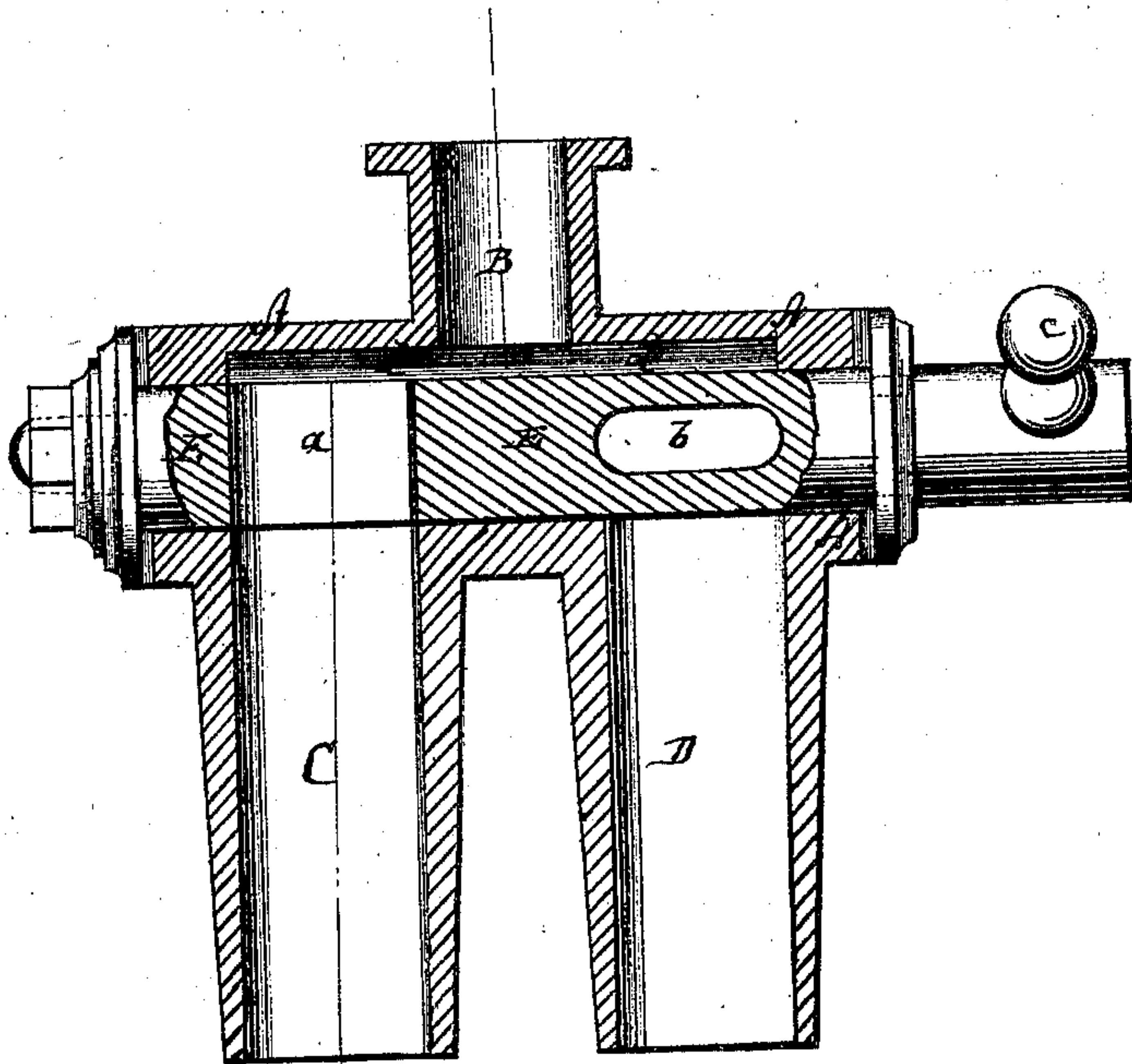
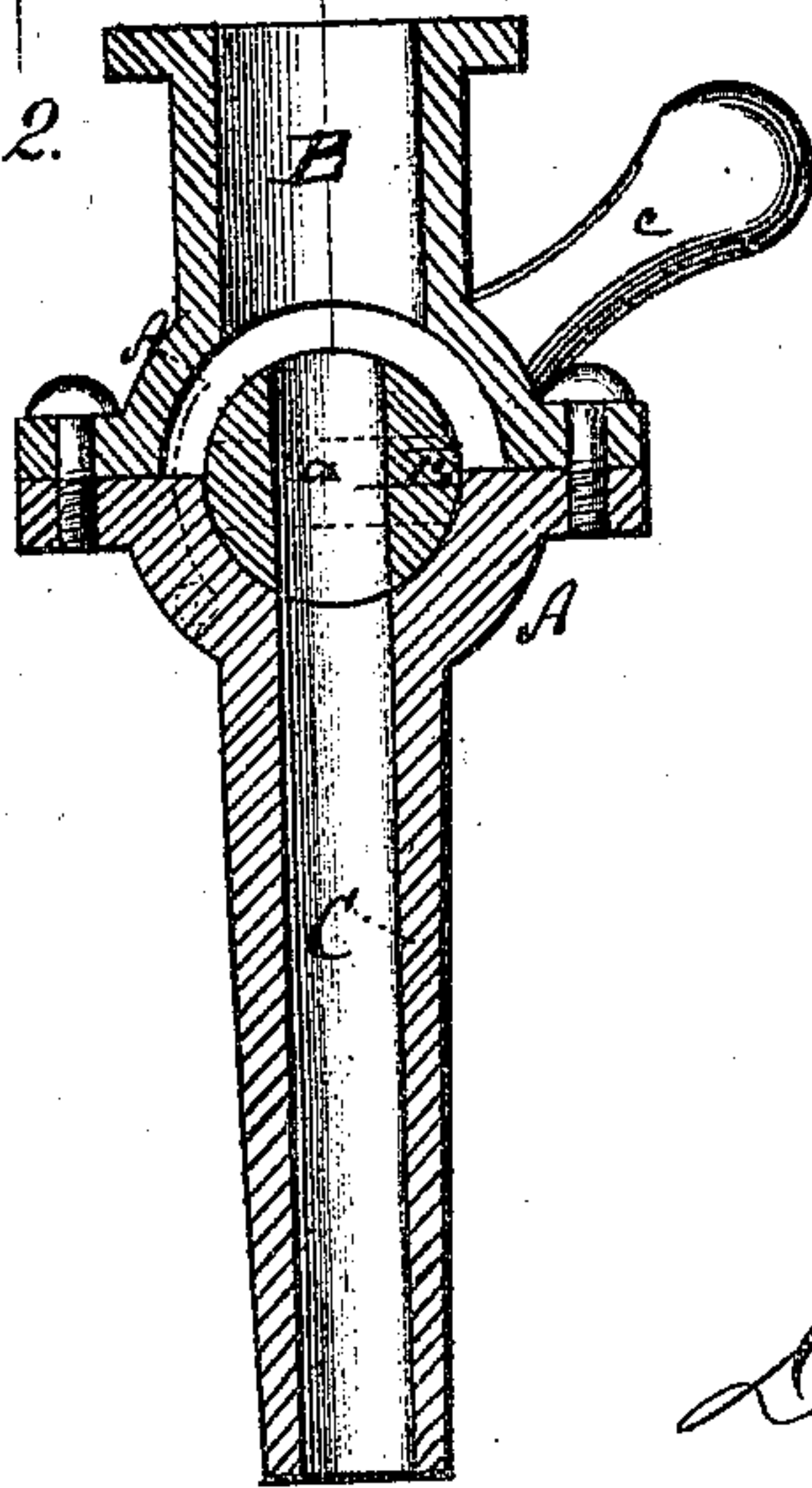


Fig. 2.



Witnesses:

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D. F. DODGE, OF LOWVILLE, NEW YORK.

Letters Patent No. 97,366, dated November 30, 1869.

IMPROVEMENT IN TWO-WAY 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, D. F. DODGE, of Lowville, in the county of Lewis, and State of New York, have invented a new and improved Double-Supply Attachment to Pumps; and do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

Figure 1 represents a vertical longitudinal section of my improved double-supply attachment to pumps.

Figure 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to provide a device, by means of which water or other liquid can, from either one of two reservoirs, be guided to one pump.

The invention will be particularly useful in households, where the same pump can be used to obtain water from a well and from a cistern, as may be desired.

The invention consists in the application of a plug within a chamber, which communicates with the suction-pipe of the pump, and with the two supply-pipes leading to the two reservoirs. The plug has two apertures through it, either one of which can be brought in communication with the suction-pipe. One aperture will connect one supply-pipe, and the other aperture the other supply-pipe with the pump. A slight turn of the plug will therefore serve to bring either the cistern or the well into connection with the pump.

A, in the drawing, represents a cylindrical vessel, which has three tubular projections, B, C, and D, each at about right angles to the axis of the cylinder. The tubes C and D are preferably on one side, and the tube B on the opposite side of the cylinder.

Within the cylinder is arranged a plug, E, which is fitted into tight packings, and which has two transverse apertures, *a* and *b*, preferably at right angles to each other.

A handle, *c*, is attached to the outer end of the plug.

In the cylinder may be formed an enlarged chamber, *d*, leading from the tube B to opposite the two tubes C and D.

The tube B is connected with the suction-pipe of the pumps, the tube C with a supply-pipe leading to a cistern or other reservoir of liquid, and the tube D, with a supply-pipe leading to a well or other reservoir of liquid.

When the plug is in the position shown in fig. 1, the aperture *a* is in line with the tube C and chamber *d*, and connects, therefore, the pumps with the cistern, while, at the same time, the connection with the well is entirely closed. The pump can therefore be used to draw water from the cistern. A slight turn of the plug will bring the aperture *b* in line with the tubes D, connecting the pump with the well, and closing the connection with the cistern.

The plug may be conical, as well as cylindrical, and, instead of apertures, it may have grooves or channels, to connect the suction-pipe with either one of the supply-pipes.

The tubular projections of the case A may be arranged on the same side, or otherwise placed in suitable manner.

Having thus described my invention,

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

The plug E, having two apertures, *a* *b*, and arranged in a case, A, to connect either one of two supply-pipes with the suction-pipe of a pump, substantially as herein shown and described, and for the purpose specified.

D. F. DODGE.

Witnesses:

GEO. W. MABEE,
ALEX. F. ROBERTS.