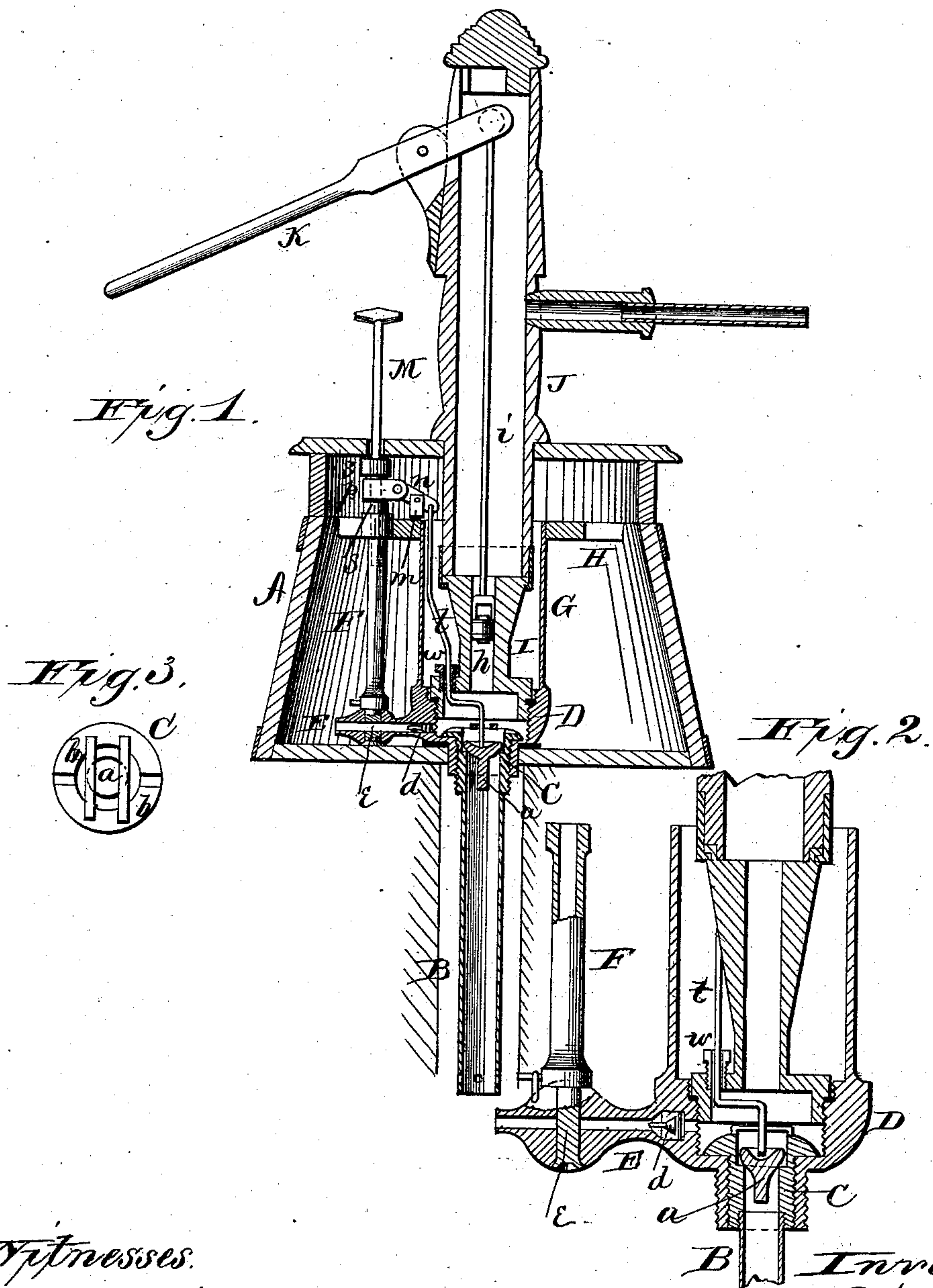


M. WIESER.
Cistern-Pump.

No. 225,193.

Patented Mar. 2, 1880.



Witnesses.
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UNITED STATES PATENT OFFICE.

MARTIN WIESER, OF ARMSTRONG, KANSAS.

CISTERN-PUMP.

SPECIFICATION forming part of Letters Patent No. 225,193, dated March 2, 1880.

Application filed December 18, 1879.

To all whom it may concern:

Be it known that I, MARTIN WIESER, of Armstrong, in the county of Wyandotte, and in the State of Kansas, have invented certain
5 new and useful Improvements in Cistern-Pumps; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this
10 specification.

The nature of my invention consists in the construction and arrangement of a pump to be used for pumping water either from a cistern or a well when the cistern is built at the
15 top of the well, as will be hereinafter more fully set forth.

In the annexed drawings, Figure 1 is a vertical section of my invention. Fig. 2 is a vertical section of a part thereof. Fig. 3 is a
20 detailed view of the top of the well.

A represents a cistern, which is built at the top of the well—that is to say, the upper end of the well terminates in the bottom of the
25 cistern. B represents the well-tube in the well. On the upper end of the well-tube B is a head-piece, C, in which is a downwardly-closing valve, *a*. This valve can only open upward a certain distance, such distance being limited by means of cross-bars *b b*. Surrounding the head C is a collar, D, extending
30 above the head a suitable distance and provided on one side with a faucet-barrel, E, which lies horizontal on or close to the bottom of the cistern. In this barrel, near the inner circumference of the collar D, is a check-valve, *d*, as shown. There is also in the barrel E an ordinary faucet-plug, *e*, provided with a stem, F, which has a square hole in its upper end. To the collar D is secured a tube or
40 cylinder, G, which extends upward and connects with a spider, H, in the upper portion of the cistern, and prevents the water from the cistern getting into the well. I is the pump-cylinder, attached to the lower end of the pump-stock J, and the lower end of said cylinder is screwed into the collar D. *h* is the ordinary
45 plunger, connected by a rod, *i*, with the pump-

handle K above the cover L of the cistern. On the spider H is a swiveled post, *m*, in
50 which is pivoted a short lever, *n*. One end of this lever connects with a collar, *p*, placed between two stationary collars, *s s*, on a rod, M, which is inserted in the upper end of the faucet-stem F. To the other end of the lever *n* is
55 connected a rod, *t*, which passes downward into and through the lower end of the pump-cylinder I, and is immediately above the valve *a*. At the point where the rod *t* goes into the pump-cylinder is a packing-box, *w*, as shown. 60

By turning the rod M so as to open the faucet E *e*, and at the same time raising said rod, the rod *t* will bear down upon the valve *a* and keep the same closed, so that when the pump is operated the water will be drawn from the
65 cistern. By reversing this—that is to say, turning the rod M so as to close the faucet and then pushing said rod down—the rod *t* will be raised to release the valve *a*, and when the pump is operated the water will be drawn
70 from the well.

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

1. The combination, with a pump arranged
75 over a well, of a cistern surrounding the same, and connections leading from both the well and cistern to the pump, substantially as herein set forth.

2. The combination, with the well-tube B and
80 cistern A, of the head C, with valve *a*, collar D, faucet E *e*, and the pump, substantially as and for the purposes herein set forth.

3. The combination of the faucet-stem F, rod or handle M, with stationary collars *s s*,
85 loose collar *p*, lever *n*, rod *t*, and valve *a*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 28th day of
90 November, 1879.

MARTIN WIESER.

Witnesses:

JOHN J. FRANK,
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