(No Model.)

P. A. MYERS.

PUMP.

No. 574,441. Patented Jan. 5, 1897.

Fig. 1.

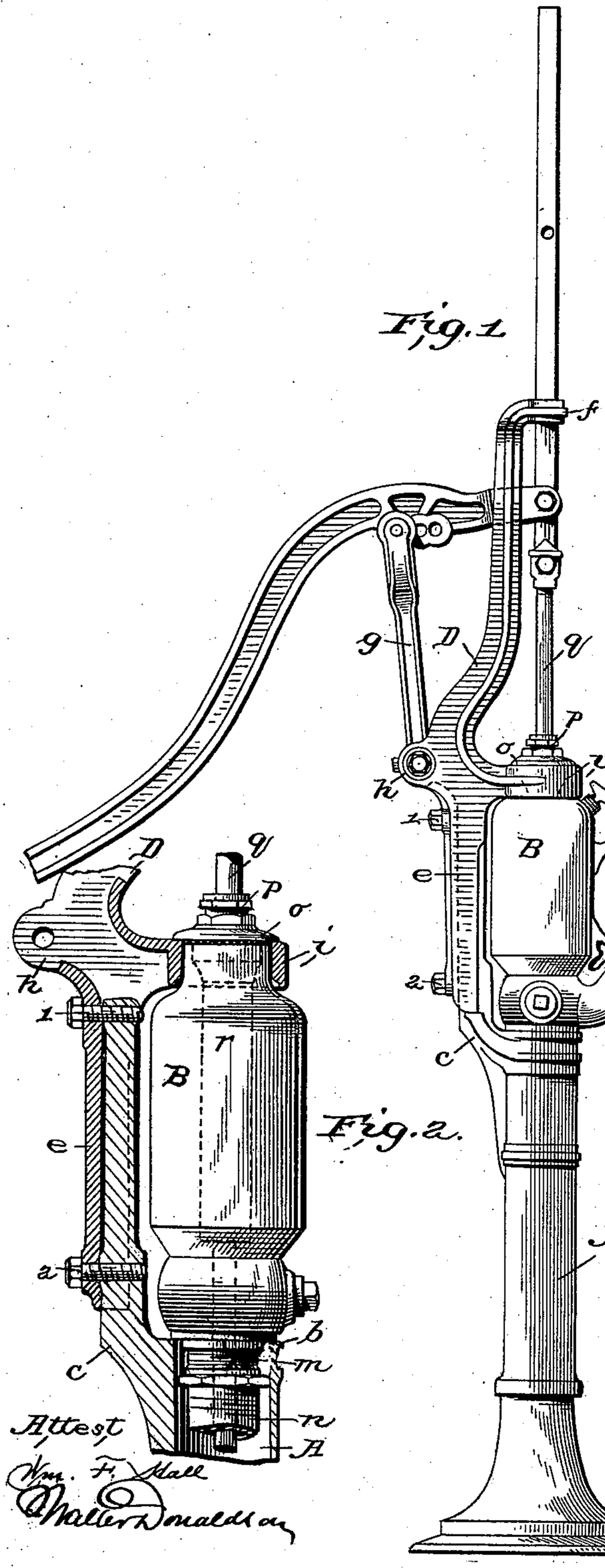


Fig. 2.

Attest,

Wm. F. Hall

Walter Donaldson

Fig. 3.

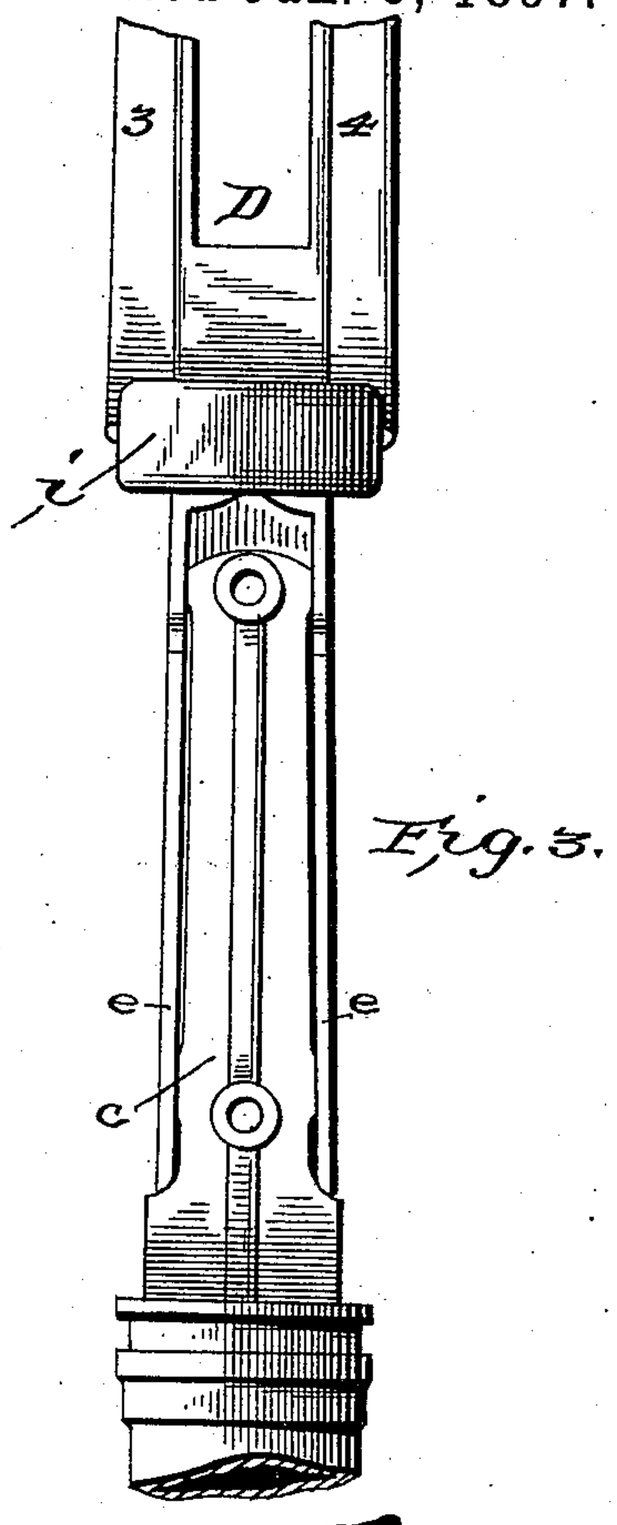
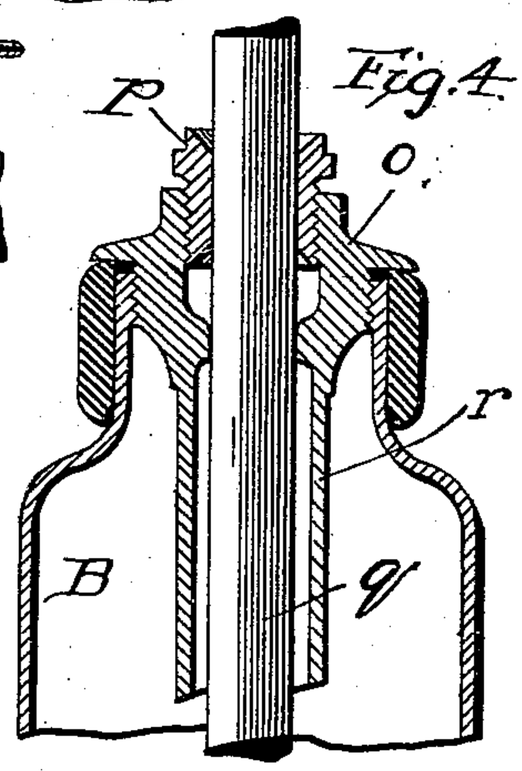


Fig. 4.



Inventor

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by Ellis Spear

Atty.

UNITED STATES PATENT OFFICE.

PHILIP A. MYERS, OF ASHLAND, OHIO, ASSIGNOR OF ONE-HALF TO FRANCIS E. MYERS, OF SAME PLACE.

PUMP.

SPECIFICATION forming part of Letters Patent No. 574,441, dated January 5, 1897.

Application filed April 9, 1896. Serial No. 586,831. (No model.)

To all whom it may concern:

Be it known that I, PHILIP A. MYERS, a citizen of the United States, residing at Ashland, in the county of Ashland and State of Ohio, have invented certain new and useful Improvements in Pumps, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to a pump, and is more particularly designed for that class of pumps ordinarily used for farm purposes.

It includes a construction specially adapted to pumps in which the section carrying the spout is adapted to turn in order that the spout may be directed in different relations to the handle, as may be required.

My invention is designed also to facilitate the manufacture of the pump, to render it more convenient in packing for transportation and storage, and the construction is also adapted to secure great strength.

I hereby illustrate my invention in the accompanying drawings, in which—

Figure 1 shows that part of the pump which is above the platform in side elevation. Fig. 2 shows a section of the upper part of the pump-standard about the spout and including the invention. Fig. 3 shows a rear view of substantially all that is shown in Fig. 2. Fig. 4 is a detail sectional view.

In the drawings the pump-standard is represented at A, it being provided with a base-plate *a*. The standard A is a simple tubular structure terminating at the point *b*, (shown in Fig. 2,) excepting that there is cast upon it a bracket *c*, which forms one side of a joint with an extension which carries the handle and piston-rod guide. The upper part of this extension and the lower part *e* is formed, as shown, to lap upon the upper part of *c* and forms therewith a joint, as shown clearly in Fig. 2. The part *e* is held upon the part *c* by the screw-bolts 1 2. The part D extends above the handle when the pump is fitted for connection with a wind-engine and carries a guide *f*. This upper part is divided to admit the handle, the two parts being shown in Fig. 3 at 3 4. The handle is mounted upon the rocking arm *g*, which is pivoted in ears *h* on the lower part of the extension D. Also on this lower part is formed a horizontal extension carrying a sleeve or ring *i*, which when the standard is in place is in line with the end of the pump-standard A. This sleeve or ring is designed to hold the upper end of the cylindrical chamber, which carries the spout and forms an extension of the pump-standard. This cylinder is marked B. The spout *k* is preferably cast in one piece with it.

The lower part of the cylinder B is fitted to rest on the upper end of the standard A and has an extension with a threaded interior adapted to be connected by the coupling *m* with the pipe *n*, which extends through the standard A to its proper connection in the well.

The upper part of the cylinder B is reduced and fitted snugly to the ring *i*, in which, however, it may be turned. The upper part of the cylinder is closed by a screw-cap *o* and is provided with a sleeve *p*, which fits snugly to the piston-rod *q* and is threaded into the screw-cap *o*, forming with it a stuffing-box for the rod. The two parts of the bracket are so fitted to each other as to cause the cylinder to be snugly held between the ring and the top of the pump-standard A.

The cylinder may be put in place and screwed to the pipe *n*, and then the upper part of the bracket is slipped down until the joint of the two parts is in proper connection, when the bolts 1 2 are inserted and screwed tightly, and these hold all the parts snugly together with the spout in any desired position.

The construction is a favorable one for casting, and when finished the pump may be shipped in pieces, which are afterward easily put together. When put together, the construction is a very stable one.

Preferably I form the screw-cap *o* with the tubular extension *r*, through which the rod *q* passes. This tubular extension terminates at a sufficient distance above the pipe-opening at the bottom to leave space for the free discharge of the water to the spout.

I claim—

1. In combination, with a pump-standard, a movable section on said standard, connected with the pipe and carrying a spout, and a spliced bracket, holding said section to the standard, substantially as described.

2. In combination, the pump-standard having the lower bracket-section at its upper end, an upper section adapted to be spliced upon the lower, and a spout-section on the standard, connected at its lower end to the main pipe, and held in place at its upper end by the upper bracket-section, substantially as described.

3. The combination of the pump-standard having the lower bracket-section, the upper bracket-section spliced to the lower, and having a ring *i* in line with the standard, and a spout-section connected to a pipe as *n*, and adapted to turn in the ring *i*, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

PHILIP A. MYERS.

Witnesses:
PAUL BEER,
CHAS. C. GAMBLE.