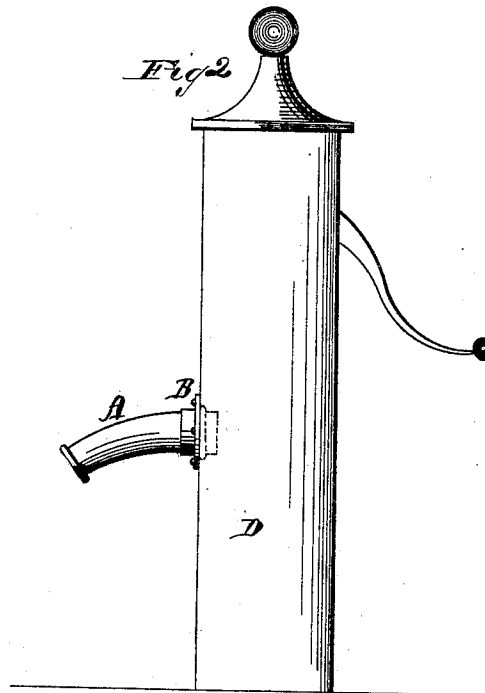
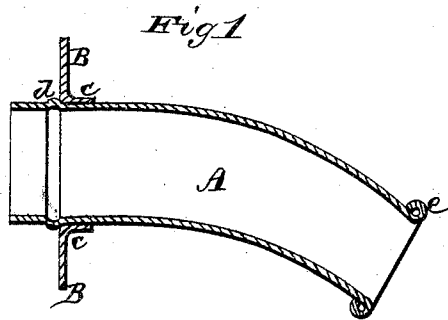


W. COOPER.
PUMP-SPOUT.

No. 175,936.

Patented April 11, 1876.



WITNESSES
A. L. Penic.
C. L. Everst.

By

INVENTOR
William Cooper.
Alexander Mason
Attorney

UNITED STATES PATENT OFFICE

WILLIAM COOPER, OF YPSILANTI, MICHIGAN.

IMPROVEMENT IN PUMP-SPOUTS.

Specification forming part of Letters Patent No. **175,936**, dated April 11, 1876; application filed September 14, 1875.

To all whom it may concern:

Be it known that I, WILLIAM COOPER, of Ypsilanti, in the county of Washtenaw and in the State of Michigan, have invented certain new and useful Improvements in Pump-Spouts; and 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 specification.

The nature of my invention consists in the mode of constructing metallic spouts for pumps, and the mode of securing the same to the pump-stock, as will be hereinafter more fully set forth.

In the annexed drawings, making part of this specification, Figure 1 represents a longitudinal section of the spout and its collar; and Fig. 2 is a side view of the pump-stock with spout attached.

In the figures, A represents the spout, which is made of sheet metal, said metal being all in one piece or composed of two half-round sections connected together at their edges.

This spout, whether all in one or whether in two pieces, is curved as represented, or more so, if desired, so that its outer end will open at an angle or directly downward, as may be desirable. The metal is either spun in this case or corrugated to form the curve, as may be thought best or found cheapest and most convenient.

A short distance from the inner end of the spout is formed a bulge, *d*, or roll on the out-

side. A roll is also formed at its outer end, as seen at *e*.

B represents a collar, which surrounds the spout and which has a flange, *c*. The opening in the collar is smaller than the roll or bulge *d*. When the inner end of the spout is inserted in the hole made to receive it in the pump-stock, the collar B is brought up against the roll *d*, and also against the stock, and said collar is made fast to the stock either by screws or nails. The roll *d* may be slightly counter-sunk in the stock. By means of this collar the spout is quickly and securely fastened to the stock.

It will readily be seen that in this manner I make a light, durable, and easily-attached spout, which may in a few moments be secured to any stock needing a spout.

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

1. The spout A, made of sheet-metal and provided with the roll or bulge *d*, and substantially in the form and for the purpose set forth.

2. The spout constructed substantially as set forth, in combination with the collar B, as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of August, 1875.

WM. COOPER.

Witnesses:

FRANK EMERICK,
FRANCIS E. CROUSEY.