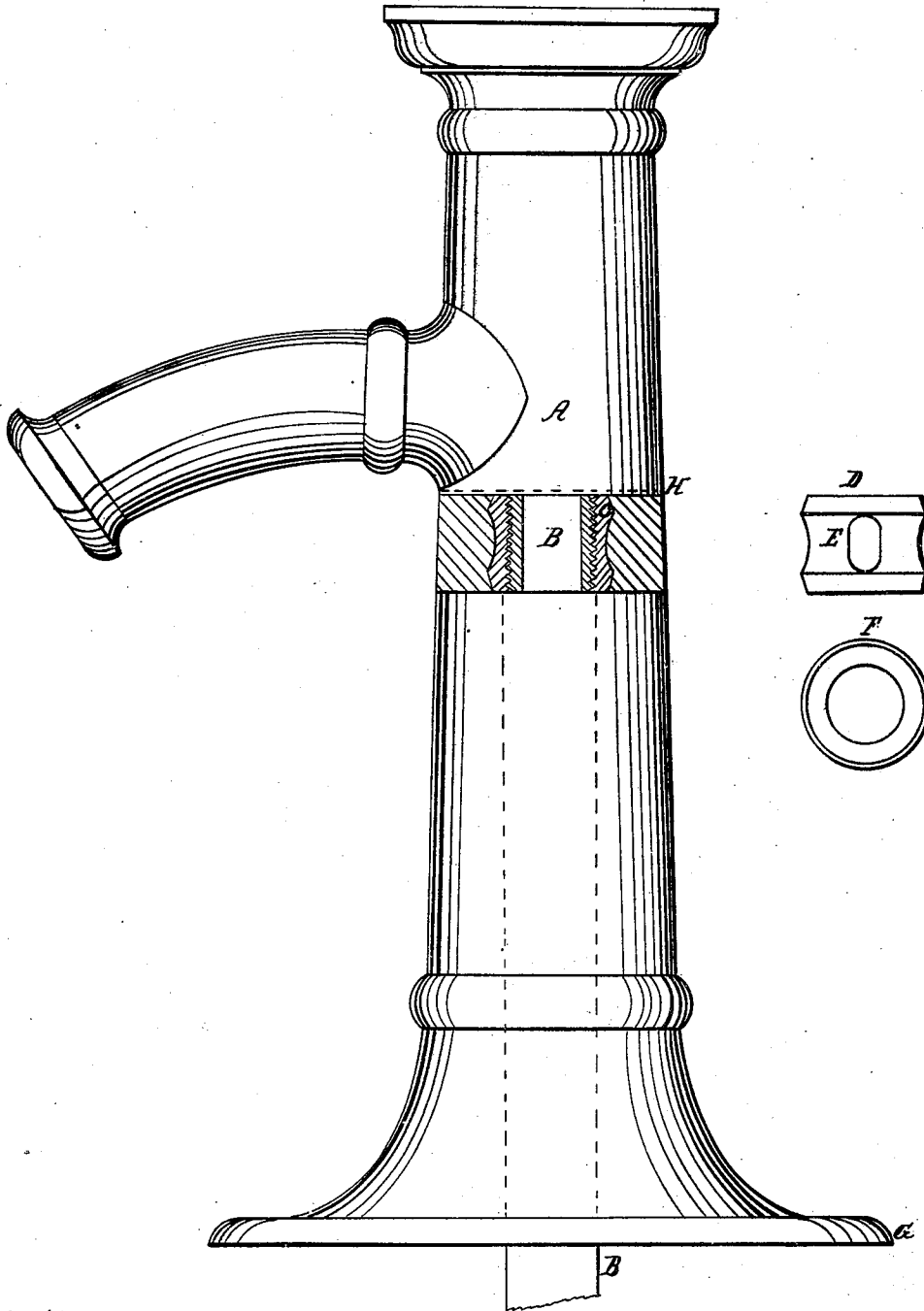


G. Cawling,

Pump.

No. 87.912.

Patented Mar. 10. 1869.



Witnesses.
 Cyrus J. Thomas
 Phil. Cowing

Alfred J. Thomas

Phil. Cowing

Inventor
George Corning

George Corning

United States Patent Office.

GEORGE COWING, OF SENECA FALLS, NEW YORK, ASSIGNOR TO HIMSELF, JOHN P. COWING, PHILO COWING, AND MARSHALL COWING,

Letters Patent No. 87,912, dated March 16, 1869.

IMPROVEMENT IN PUMPS.

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, GEORGE COWING, of Seneca Falls, county of Seneca, and State of New York, have invented a new Improvement in Pumps; and I do declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in attaching gas or other pipe to pump-standards.

My mode is to provide a nut with a thread cut in the same, and placed on the core-arbor, and cast in the standard of the pump, just below the spout.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A is the pump-standard.

B is the induction-pipe.

C is a sectional view of the nut, with the induction-pipe B screwed into the same.

D is a perspective view of the nut C.

E, end view of the same.

E shows a depression in the side of nut, to make it hold more firmly when cast in the pump.

The usual mode of manufacture is to attach the pipe to the base, G, but the objection to this mode is the amount of water necessary to fill the standard before it leaves the spout, and is also liable to freeze, in cold weather, before it can run out at the vent.

Another mode is to cast the standard in two or more pieces, and screw or flange them together at the dotted line H. The objection to this mode is its cost, and liability to leak and get out of repair.

These modes I disclaim.

I do not confine myself to the particular shape of the outside of nut C. It may be of any suitable shape, when cast in standard, to hold. It may also be made of either wrought or cast-iron, or composition.

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

A pump-standard, having cast in it a nut, or thimble, C, to attach the induction-pipe to, as above described and set forth.

GEORGE COWING.

Witnesses:

CYRUS J. THOMAS,
PHILO COWING.