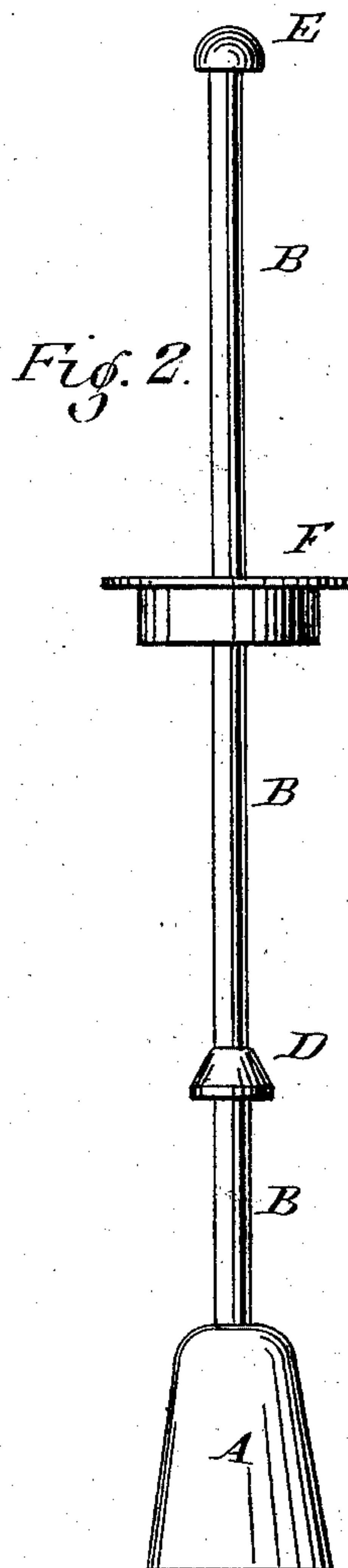
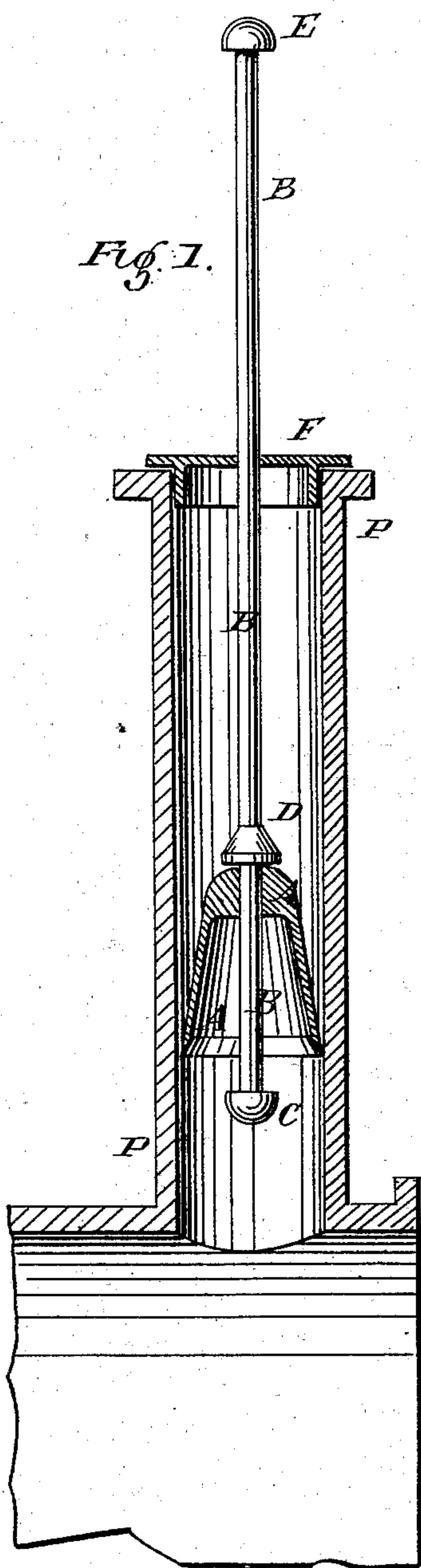


(No Model.)

J. CLARK.  
CLEARER FOR PIPES.

No. 283,205.

Patented Aug. 14, 1883.



WITNESSES:

*Chas. Nida*  
*L. Sedgwick*

INVENTOR:

*J. Clark*  
BY *Munn & Co*  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

JOHN CLARK, OF NEW YORK, N. Y.

## CLEARER FOR PIPES.

SPECIFICATION forming part of Letters Patent No. 283,205, dated August 14, 1883.

Application filed April 21, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN CLARK, of the city, county, and State of New York, have invented a new and useful Improvement in Clearers for Stand-Pipes of Gas-Works and other Pipes, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a sectional side elevation of my improvement, illustrating its use. Fig. 2 is a side elevation of the same.

The object of this invention is to facilitate the removal of the carbon deposited upon the inner surfaces of the stand-pipes of gas-works.

The invention consists in a pipe-clearer made with a cutter having central perforation to receive a rod, which is provided with collars above and below the cutter, to adapt the said rod to serve as a hammer to force the cutter through the pipe. The rod is also provided with a cap to keep it in the center of the pipe while the tool is being used, as will be herein-after fully described.

A represents a cutter, which is made cup-shaped, and of such a diameter at its edge as to fit into the pipe P to be cleared of carbon. The bottom of the cutter A is made thick, and is perforated to receive the rod B, which is made of such a length as to extend through the stand-pipe P, and of such a size as will give it sufficient weight to serve as a hammer for forcing the cutter through the said pipe.

Upon the rod B, above and below the cutter

A, and at such a distance apart as will give the rod sufficient movement for a blow, are welded or otherwise secured two collars, C D, and upon the upper end of the said rod is secured a third collar, E.

Upon the upper part of the rod B, between the collars D E, is placed a cap, F, to fit upon the upper end of the pipe P, and serve as a guide to center the said rod in the said pipe when the tool is being used.

In using the tool the cutter A is inserted in the upper end of the pipe P, and the rod B is moved up and down, the weight of the said rod causing the collar D, as it strikes the bottom of the cutter A, to serve as a hammer to force the said cutter through the pipe.

When the tool is to be withdrawn, the collar C serves as a hammer for driving the cutter A out of the pipe.

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

1. A pipe-clearer made substantially as herein shown and described, and consisting of the cutter A, the rod B, having collars C D, and the centering-guide F, as set forth.

2. In a pipe-clearer, the combination, with the cutter A, having central perforation, of the rod B, having collars C D, substantially as herein shown and described, whereby the said rod and the collars will serve as a hammer for forcing the cutter through the pipe, as set forth.

JOHN CLARK.

Witnesses:

G. E. DILLINGHAM,  
CHAS. I. CLARK.