

(No Model.)

A. T. MATTHEWS.

THIMBLE FOR PIPES.

No. 379,483.

Patented Mar. 13, 1888.

Fig. 1.

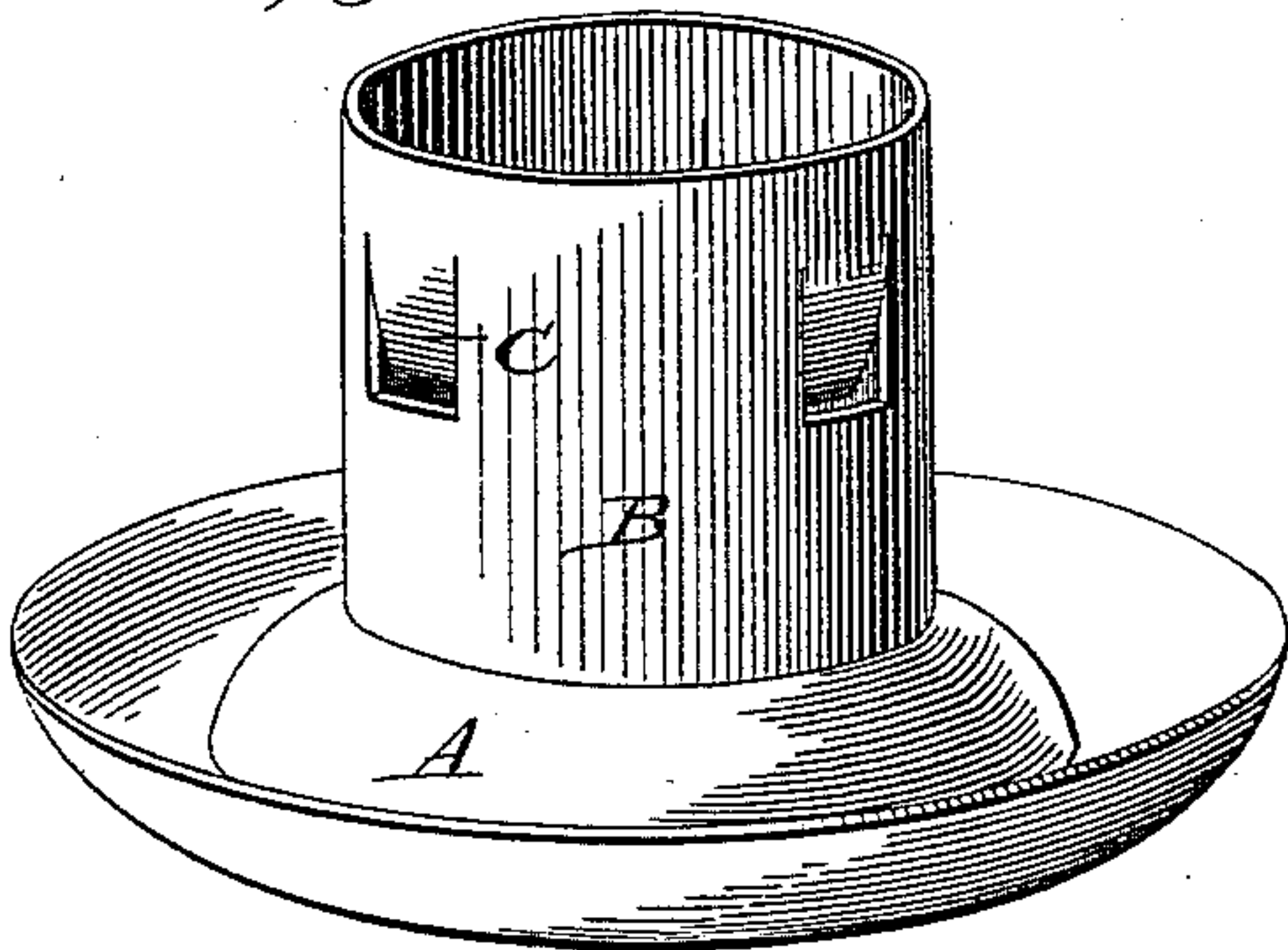


Fig. 2.

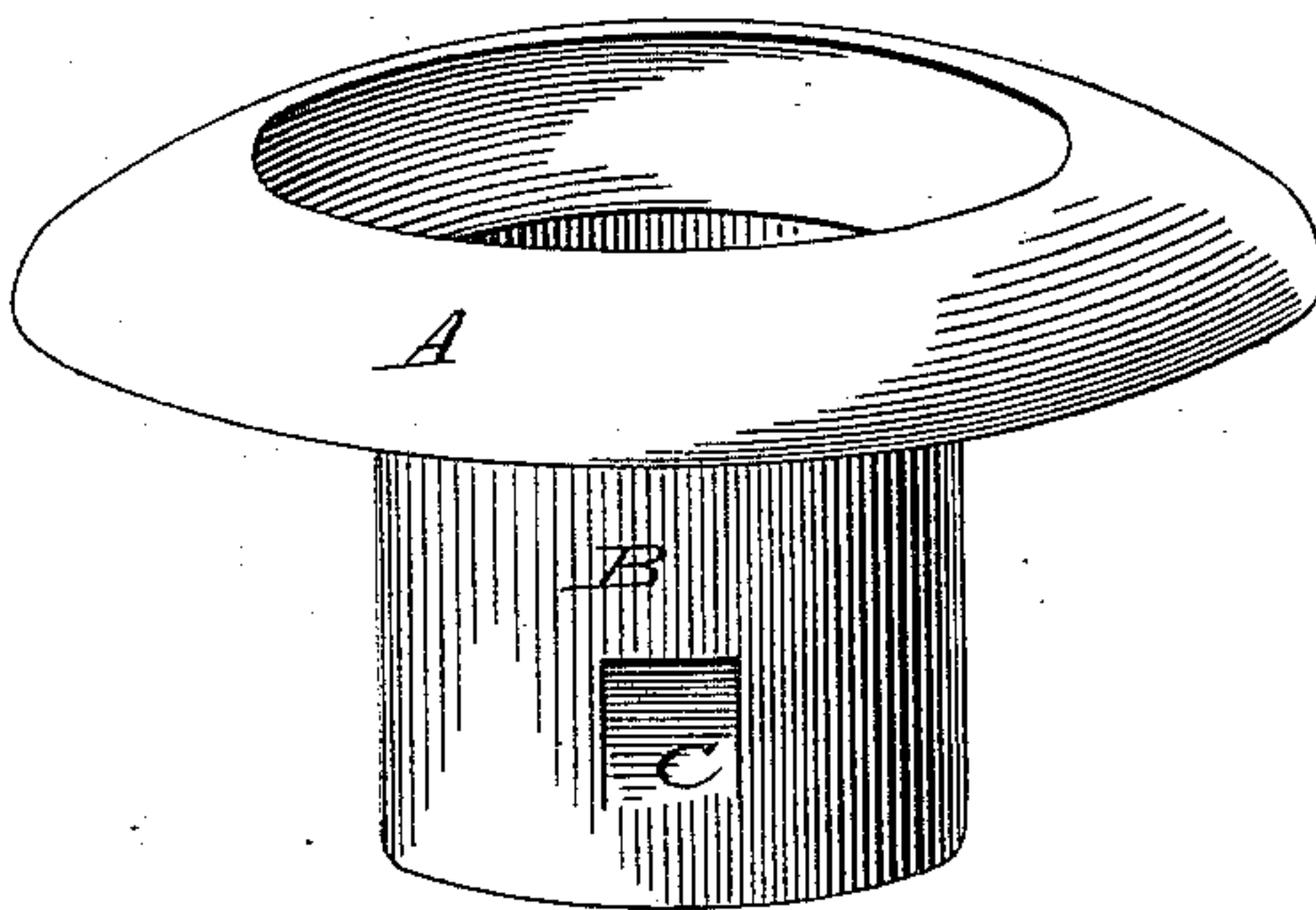


Fig. 3.

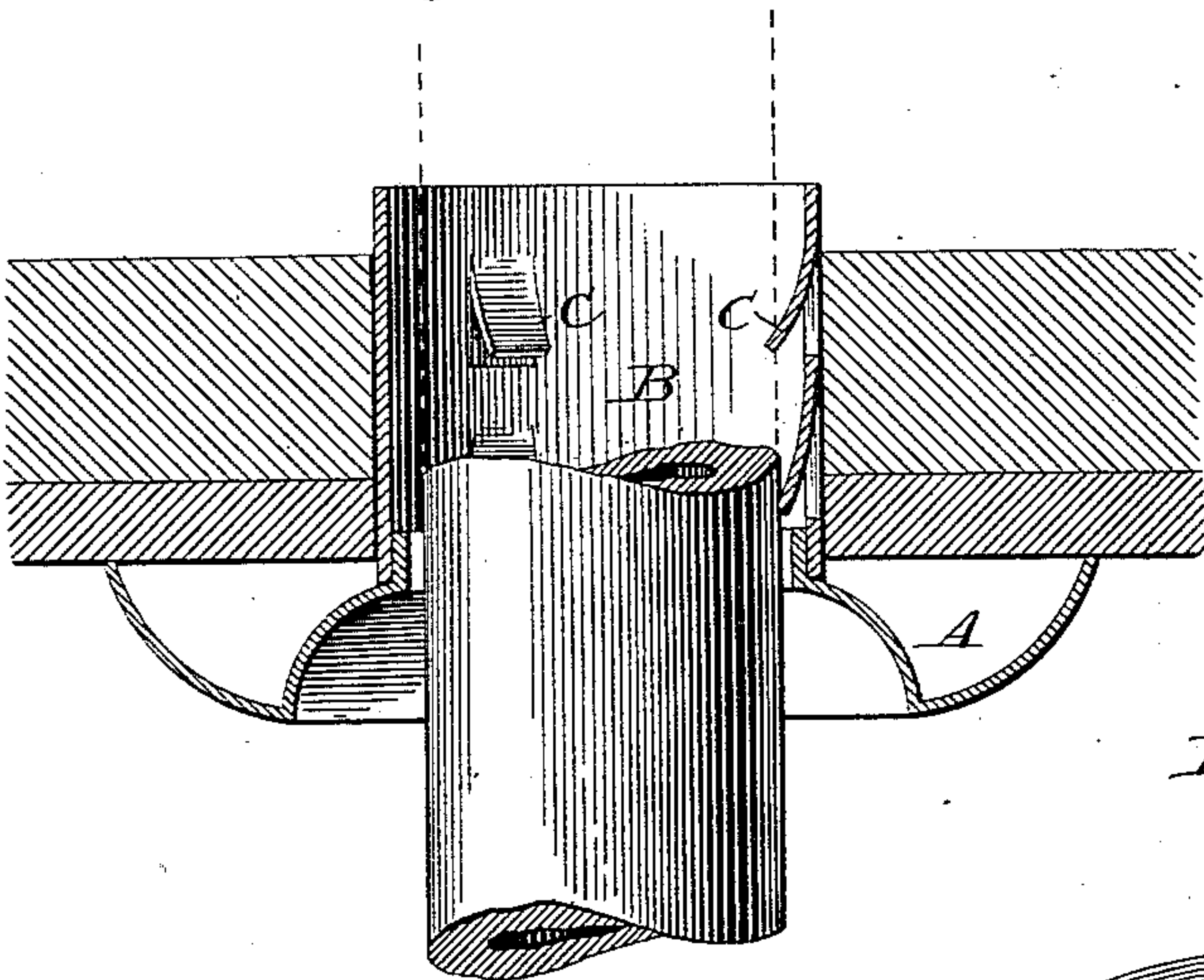
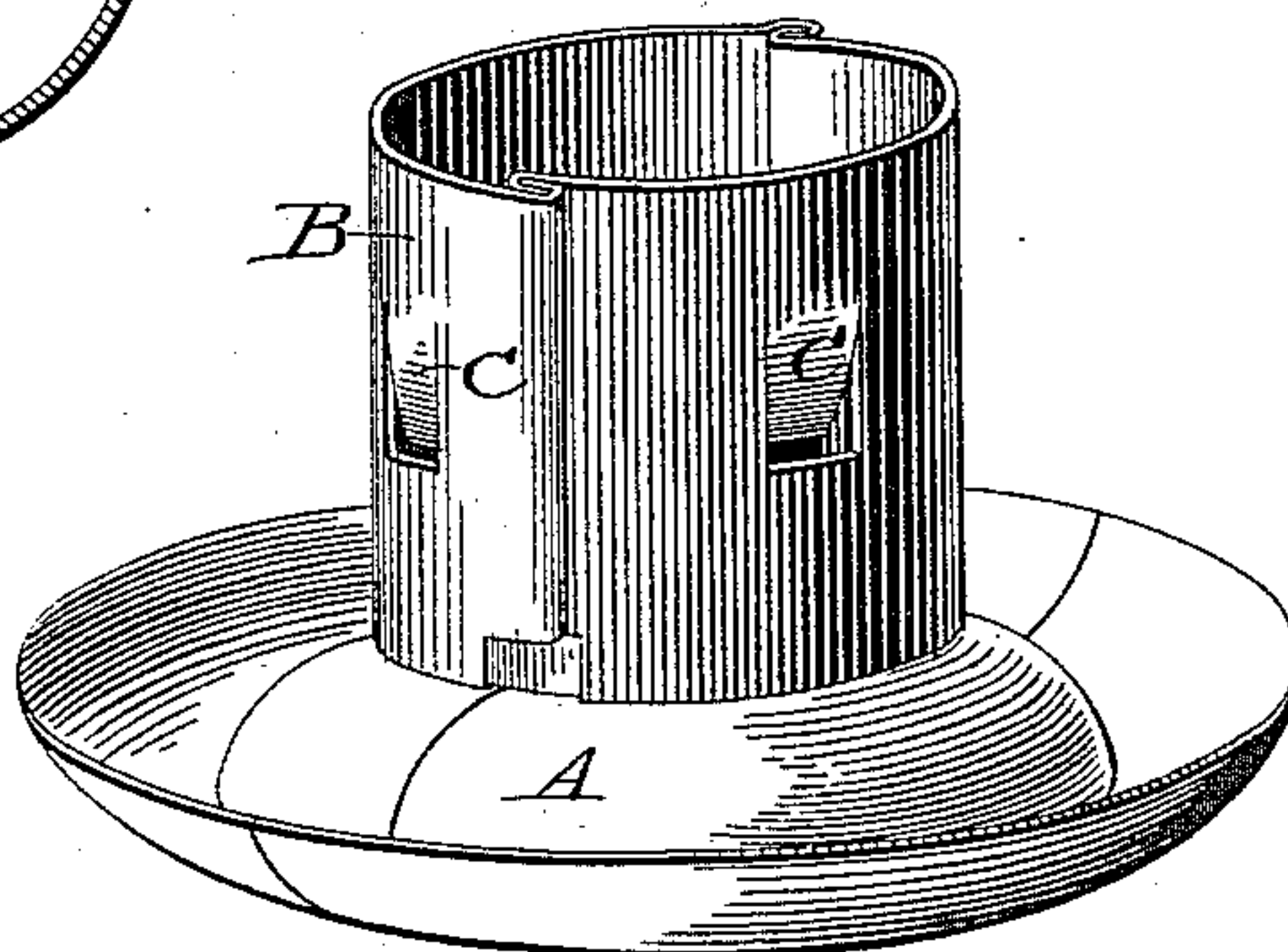


Fig. 4.



Witnesses:

James F. Duffnell
Arthur Ashley

Inventor:

Ambrose T. Matthews,
by Dodge & Sons,
Attys.

UNITED STATES PATENT OFFICE.

AMBROSE T. MATTHEWS, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO
THE WORCESTER FERRULE COMPANY, OF SAME PLACE.

THIMBLE FOR PIPES.

SPECIFICATION forming part of Letters Patent No. 379,483, dated March 13, 1888.

Application filed October 11, 1887. Serial No. 252,054. (No model.)

To all whom it may concern:

Be it known that I, AMBROSE T. MATTHEWS, of Worcester, in the county of Worcester and State of Massachusetts, have invented certain
5 new and useful Improvements in Thimbles for Pipes, of which the following is a specification.

My invention relates to thimbles for pipes, and has reference to a novel construction of
10 the same whereby the thimble is adapted to be readily applied to the pipe and held in position thereon.

In the drawings, Figures 1 and 2 are perspective views of my improved thimble; Fig.
15 3, a vertical central sectional view showing the thimble in position upon the pipe, and Fig. 4 a perspective view of a thimble made in two parts.

A indicates a collar, which may be made of
20 any suitable material and more or less ornamental in appearance, to which is secured a cylindrical shell or body, B, open at both ends, as shown. The manner of uniting the collar to the shell or body is a matter that may be
25 varied as desired, and forms no part of the present invention. Formed integral with or secured to the shell or body A is an arm, C, (one or more,) which projects inwardly and
30 downwardly within the shell or body and bears upon the pipe, as shown in Fig. 3. This arm C bears upon the pipe with sufficient force to cause the thimble to remain upon the pipe in any position in which it may be placed.

35 This thimble is designed for use more particularly in places where the nature of the opening through which the pipe passes precludes the application or the fastening of the thimble to the walls of the opening, and, unlike that described in another application
40 filed by me, moves with the pipe to which it is applied as the pipe expands and contracts.

The number and position of the arm or arms C may be considerably varied without departing from the spirit of my invention—that is
45 to say, two or more arms may be arranged one directly above the other, as shown in Fig. 3; but whether the arms be arranged in this manner or as shown in Figs. 1 and 2 it will

be found advisable to arrange the arms in 50 three series, so as to bear upon and center the pipe within the thimble.

The manner of constructing the arms C will be apparent from an inspection of the drawings, and it is obvious that, in lieu of making
55 these arms integral with the body B, they may be made separate and riveted thereto.

By providing the thimble with the inwardly and downwardly projecting arms C, the sharp edges of the latter are adapted to engage the
60 roughnesses or spurs upon the exterior of the pipe, and thereby prevent the thimble from slipping longitudinally upon the pipe in the direction in which the arms project. This result is also secured or rendered more certain
65 by the elasticity or spring-like action of the arms.

It is often desirable to apply these thimbles to pipes after the latter have been put in position, and hence it will be necessary to make
70 the thimble in two or more sections, as in Fig. 4. It will be noticed that the collar A is divided diametrically, and that each half of the collar has secured to it a half of the shell or body B, the vertical edges of the two parts
75 of the shell being formed with interlocking flanges, which prevent the two parts of the shell from separating laterally, yet permitting them to slide upon each other lengthwise
80 when desired.

Having thus described my invention, what I claim is—

1. As an improved article of manufacture, the pipe-thimble herein described and shown, comprising a collar, a shell or body, and an
85 arm (one or more) projecting inwardly and downwardly within the shell or body toward the collar, and having its lower edge free to engage the exterior of the pipe.

2. The pipe-thimble herein described and
90 shown, comprising a collar, a shell or body, and arms formed integral with the shell or body, projecting inwardly and downwardly within the latter, and having their lower edges arranged to bear or bite upon the pipe.

3. A pipe-thimble comprising a disk, a shell or body, and arms projecting inwardly and downwardly within the shell, the said
95

thimble being divided longitudinally, as and for the purpose set forth.

4. In a thimble for pipes, the divided collar A, in combination with the divided shell
5 B, the portions of the shell being adapted to interlock with each other, and provided with inwardly-projecting arms.

In witness whereof I hereunto set my hand in the presence of two witnesses.

AMBROSE T. MATTHEWS.

Witnesses:

WM. E. LEWIS,
ALVAN S. PRATT.