

No. 822,507.

PATENTED JUNE 5, 1906.

H. E. CLARK.  
BROOM SHIELD.

APPLICATION FILED JAN. 9, 1906.

Fig. 1.

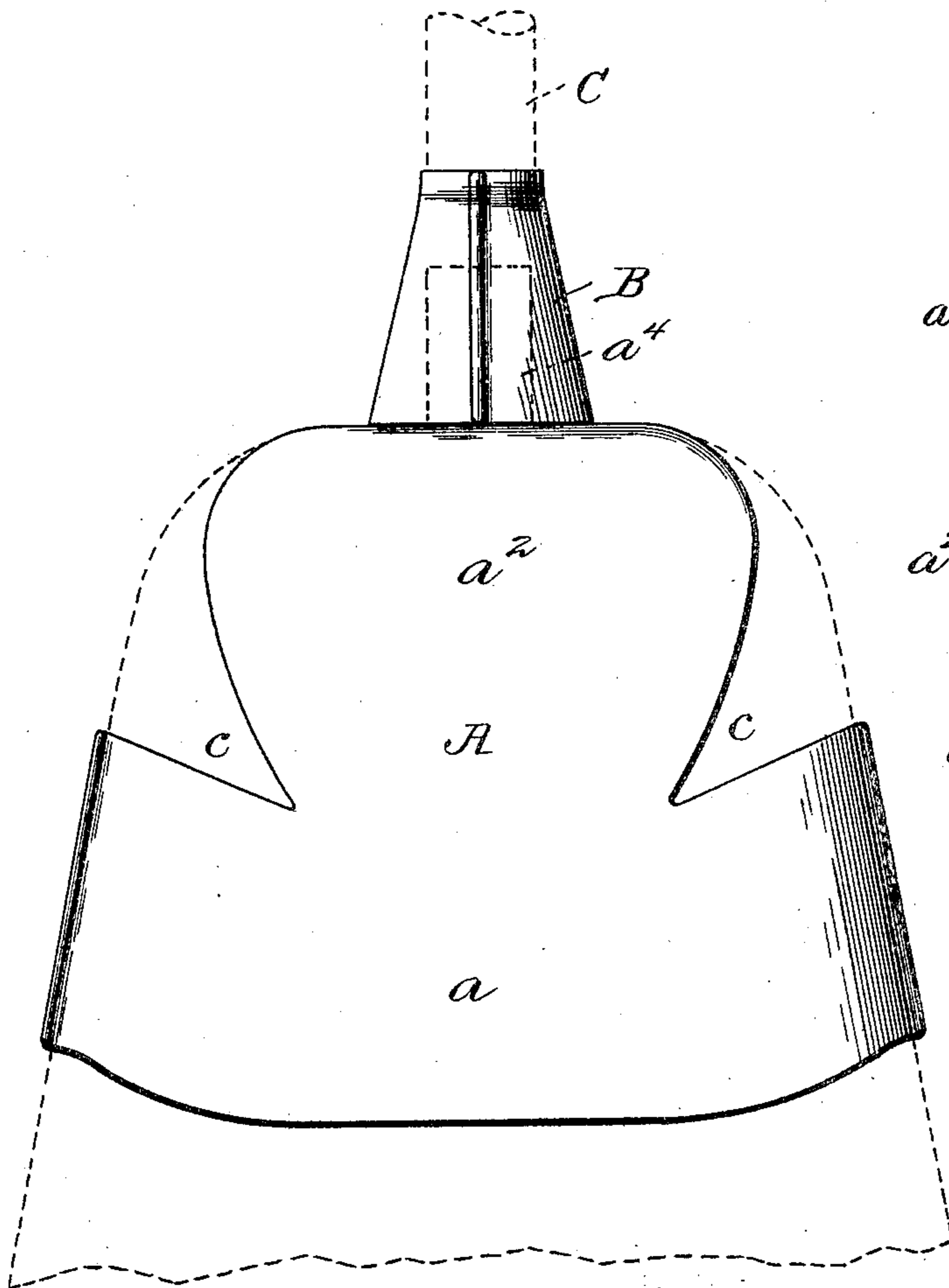


Fig. 2.

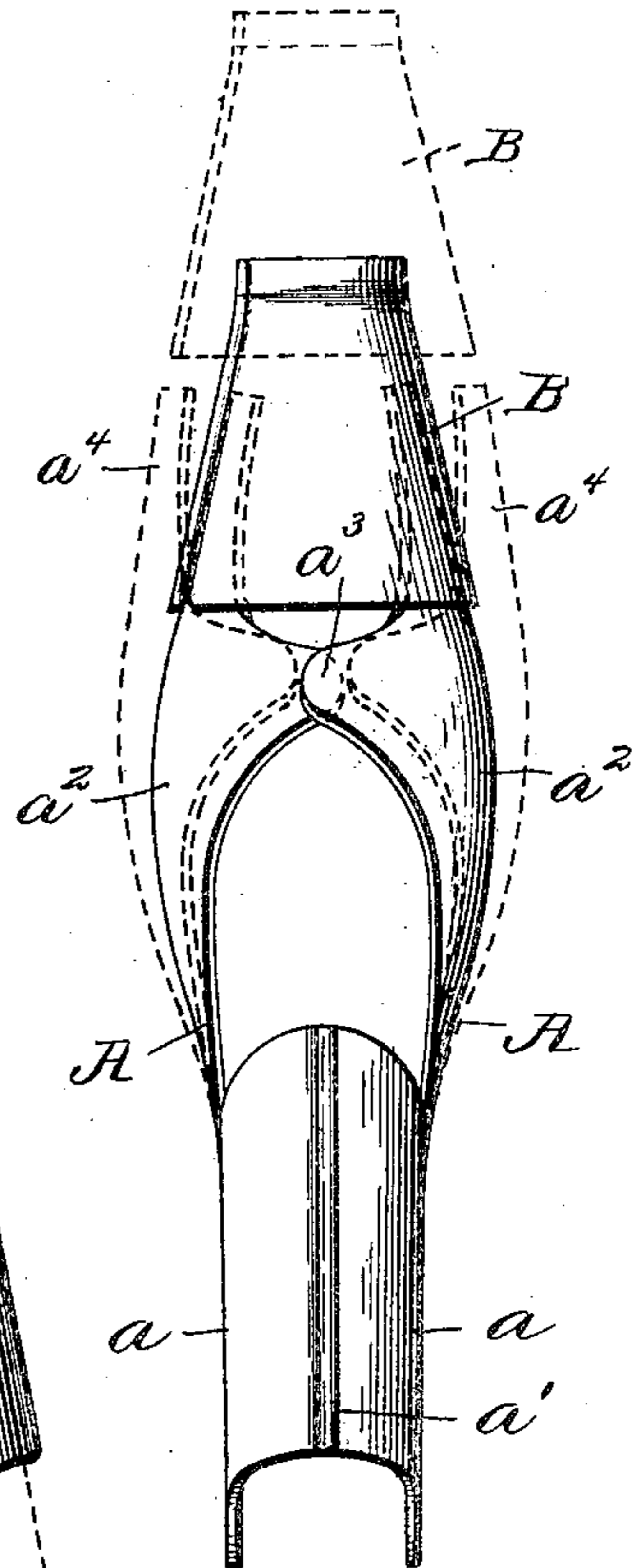
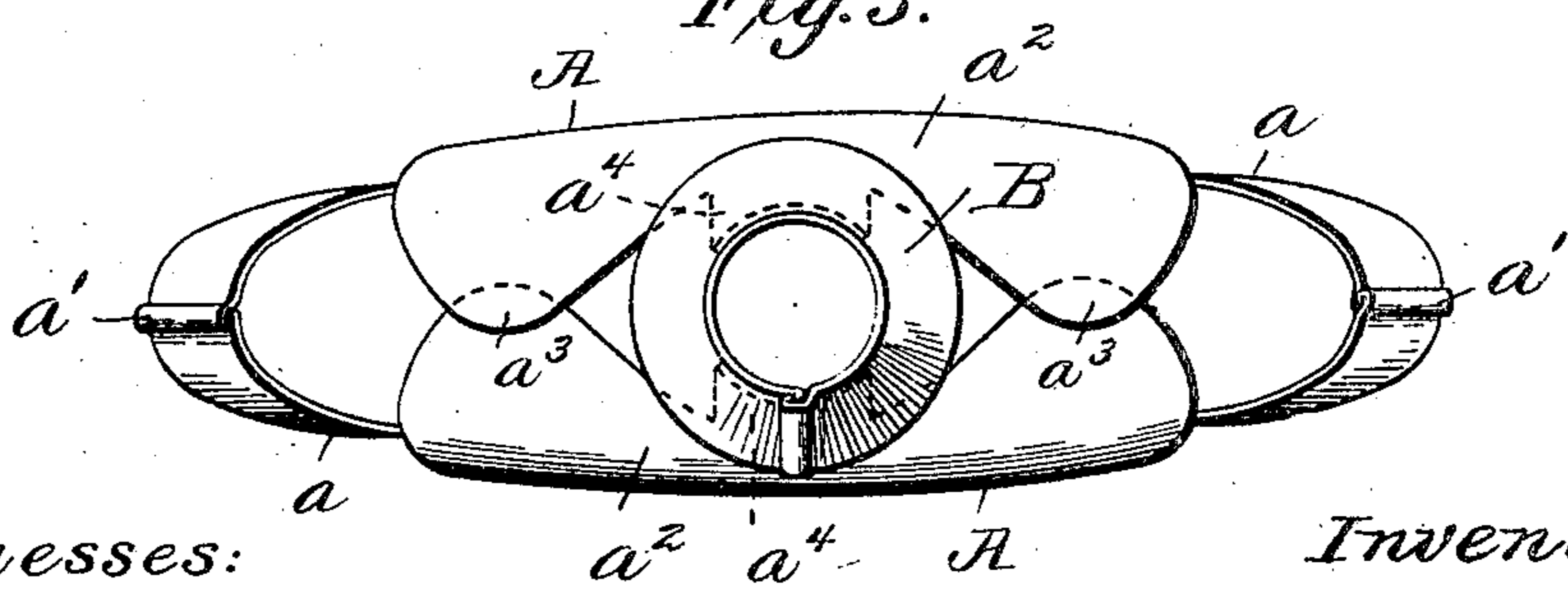


Fig. 3.



Witnesses:

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# UNITED STATES PATENT OFFICE.

HORACE E. CLARK, OF ATLANTA, GEORGIA.

## BROOM-SHIELD.

No. 822,507.

Specification of Letters Patent.

Patented June 5, 1906.

Application filed January 9, 1906. Serial No. 295,265.

*To all whom it may concern:*

Be it known that I, HORACE E. CLARK, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Broom-Shields; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in broom-shields adapted to be put on brooms after they are finished for the purpose of protecting the straw.

The object of my invention is to provide a shield that may be applied to any broom likely to be found in general use and one which may be quickly and readily removed after a broom has been worn out and be placed on a new one by any unskilled person.

A further object of the invention is to cheapen the cost of manufacture of such shields by simplifying the construction thereof.

In the annexed drawings, Figure 1 is a side view of a shield embodying my invention; Fig. 2, an end view thereof, and Fig. 3 a top view.

In the manufacture of my shield I employ two plates A A of equal dimensions and a ferrule B, made of a smaller blank. The shape or form into which these two plates are cut or stamped out forms an essential feature of my invention, said shape enabling the plates to be formed to the configuration of the broom quickly and easily without the use of expensive machinery necessary in stamping out hollow bodies. The forming of the plates in this instance may be accomplished by hand.

The lower portion  $a$  of each plate is of a length a little greater than the width of a broom to permit of the ends of this portion being bent around and permanently secured together either by soldering or crimping the edges, as shown at  $a'$ .

In order to permit the upper portion (designated by  $a^3$ ) to be more easily shaped to that part of the broom, I cut away a portion of the metal, as shown at  $c$ , and by reason of the curvature given this portion the two plates form spring sides normally separated from each other, and the fact that they are not connected together permits the lower portions  $a$  to be more easily spread apart when being applied to the broom. This part  $a^2$  is made shield-shaped, the upper corners  $a^3$  being preferably rounded and forming guards of sufficient length when bent to lap over the top of the broom-head and over the corresponding corners of the companion blank.

Between the corners  $a^3$  is left an extension  $a^4$ , and this is curved to conform to the shape of the broom-handle C. (Shown in dotted lines.)

When the two side edges of the lower portions  $a$  have been fastened together as above set forth, the upper portions  $a^2$  will normally lie in the position shown in dotted lines, Fig. 2. After the shield has been slipped over the broom these latter portions are brought together and held by means of the ferrule B, which is slipped over the handle. The ferrule is made tapering, as shown, and by forcing it down upon the extensions  $a^4$  the distance between the two parts  $a^2$  is regulated according to the thickness of the broom-head on which the shield is placed.

I claim—

1. A broom-shield comprising a pair of plates rigidly secured together at their lower portions and adapted to normally embrace a broom-head, an upper portion on each plate normally out of contact with the upper part of the broom, guards formed on the upper portions adapted to take over the top of the broom-head, an extension on each of said portions between the guards, and a tapering ferrule adapted to embrace said extensions and hold them in contact with the handle of the broom, thereby causing the guards to overlap.

2. A sheet-metal broom-shield comprising two plates rigidly connected at their sides at the lower portions thereof and shield-shaped

spring upper portions having bent upper corners and a central projection, said bent corners adapted to overlap the broom-head, and a ferrule coöperating with the extensions to  
5 hold them together and hold the corners overlapped.

In testimony that I claim the foregoing as

my invention I have signed my name in presence of two subscribing witnesses.

HORACE E. CLARK.

Witnesses:

S. J. COLE,

JNO. T. LIVELY.