

No. 618,466.

Patented Jan. 31, 1899.

J. F. KINNEY.  
BROOM HANDLE.

(Application filed Apr. 18, 1898.)

(No Model.)

Fig. 1.

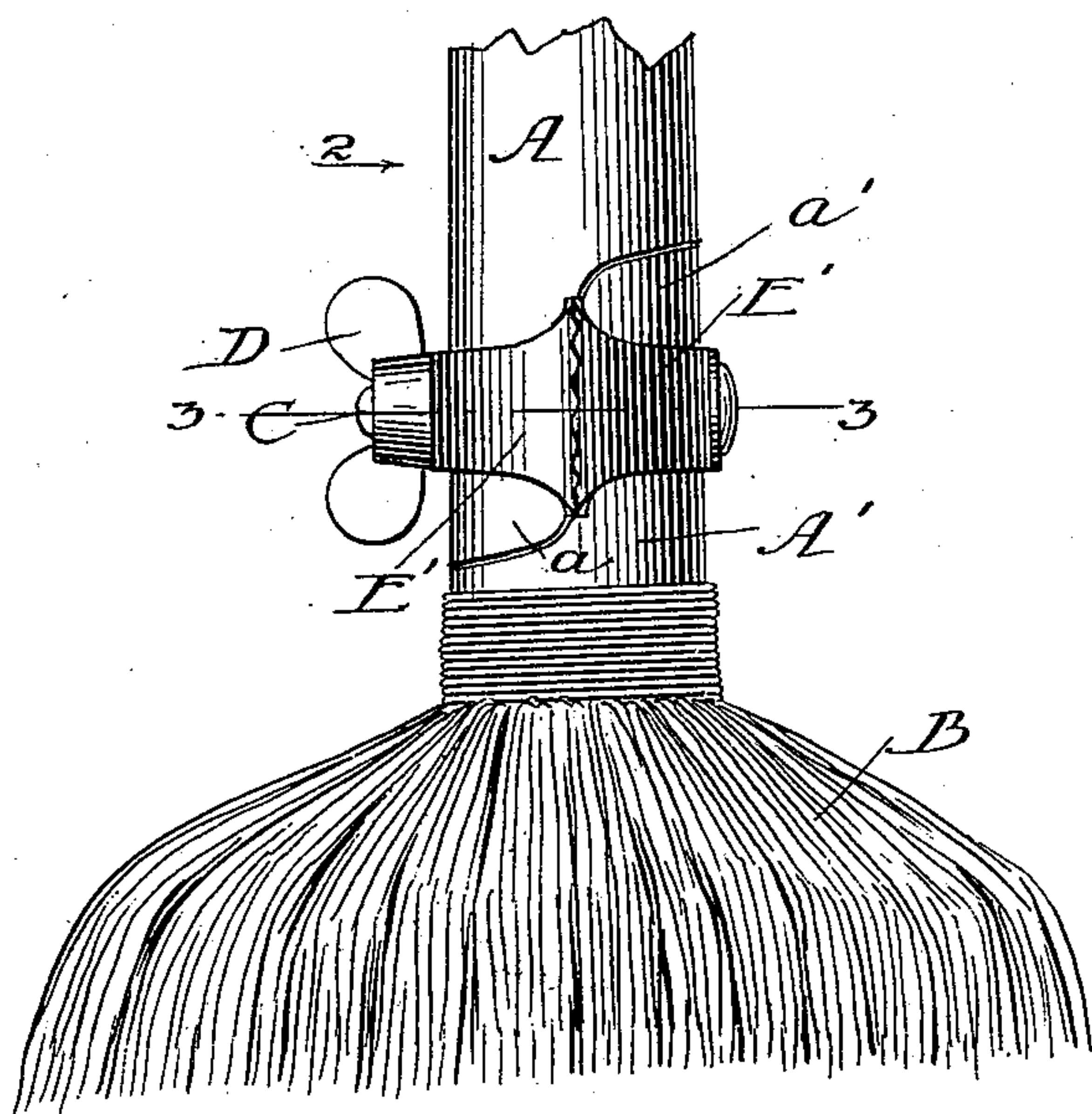


Fig. 2.

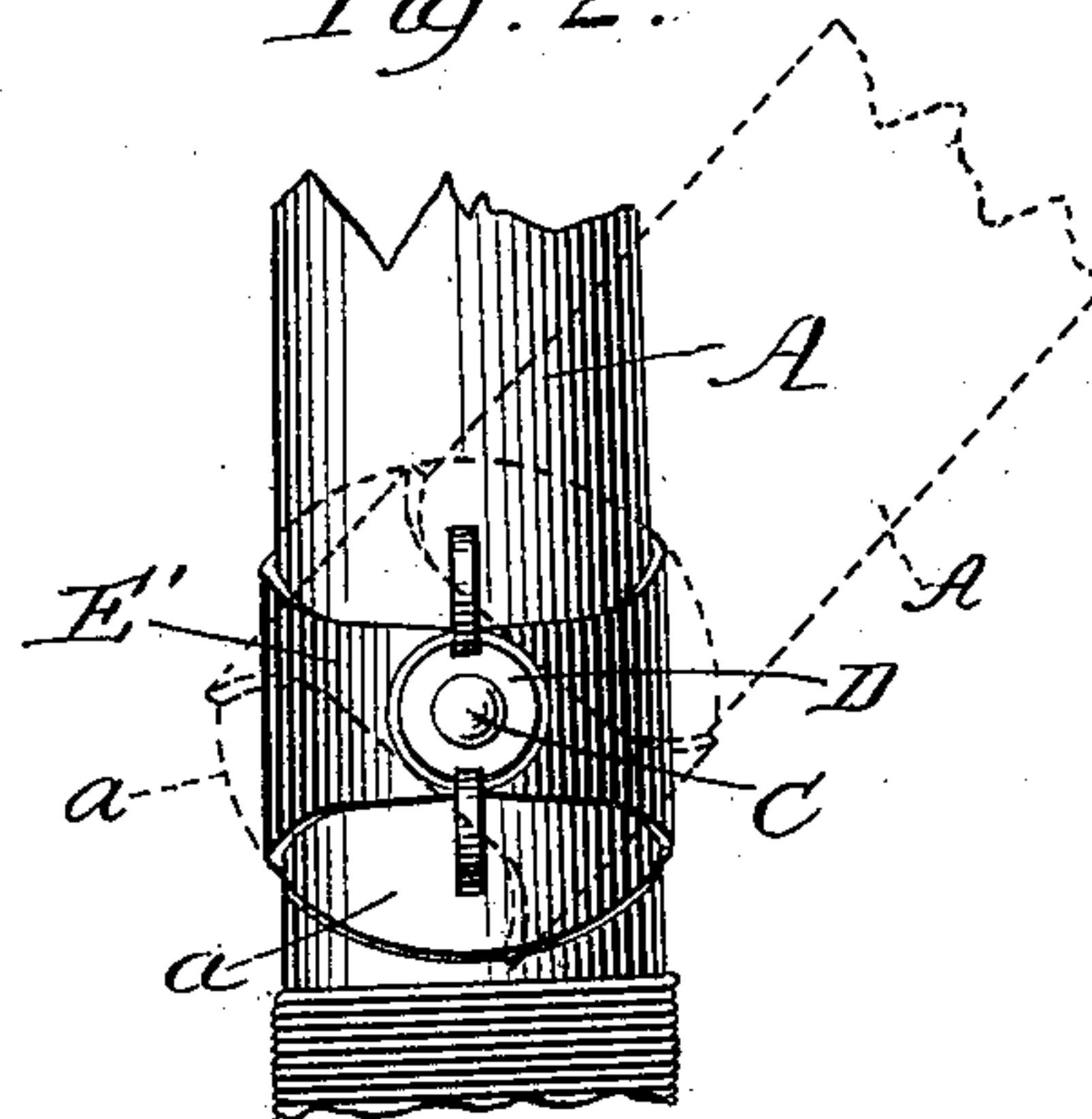


Fig. 3.

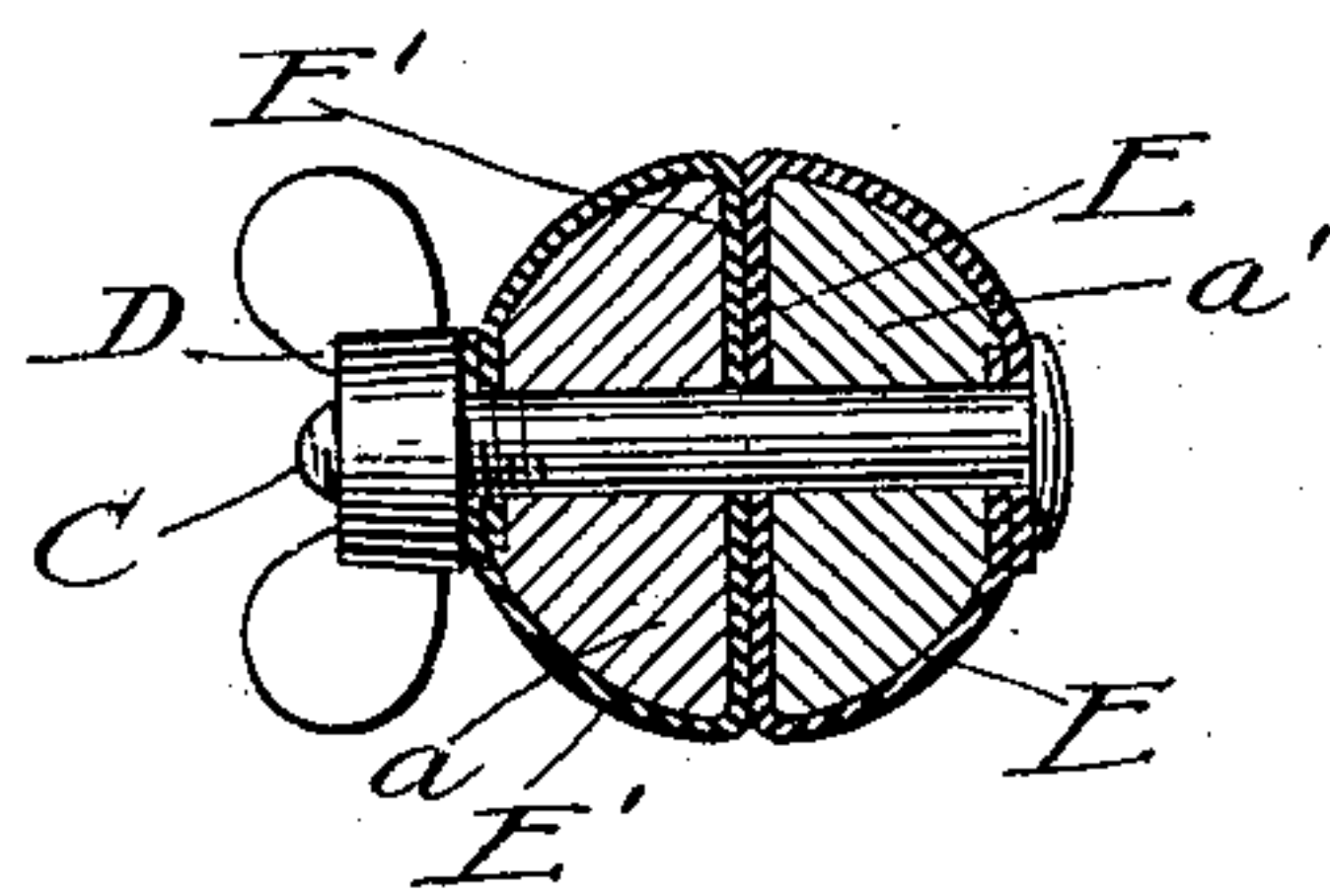


Fig. 4.

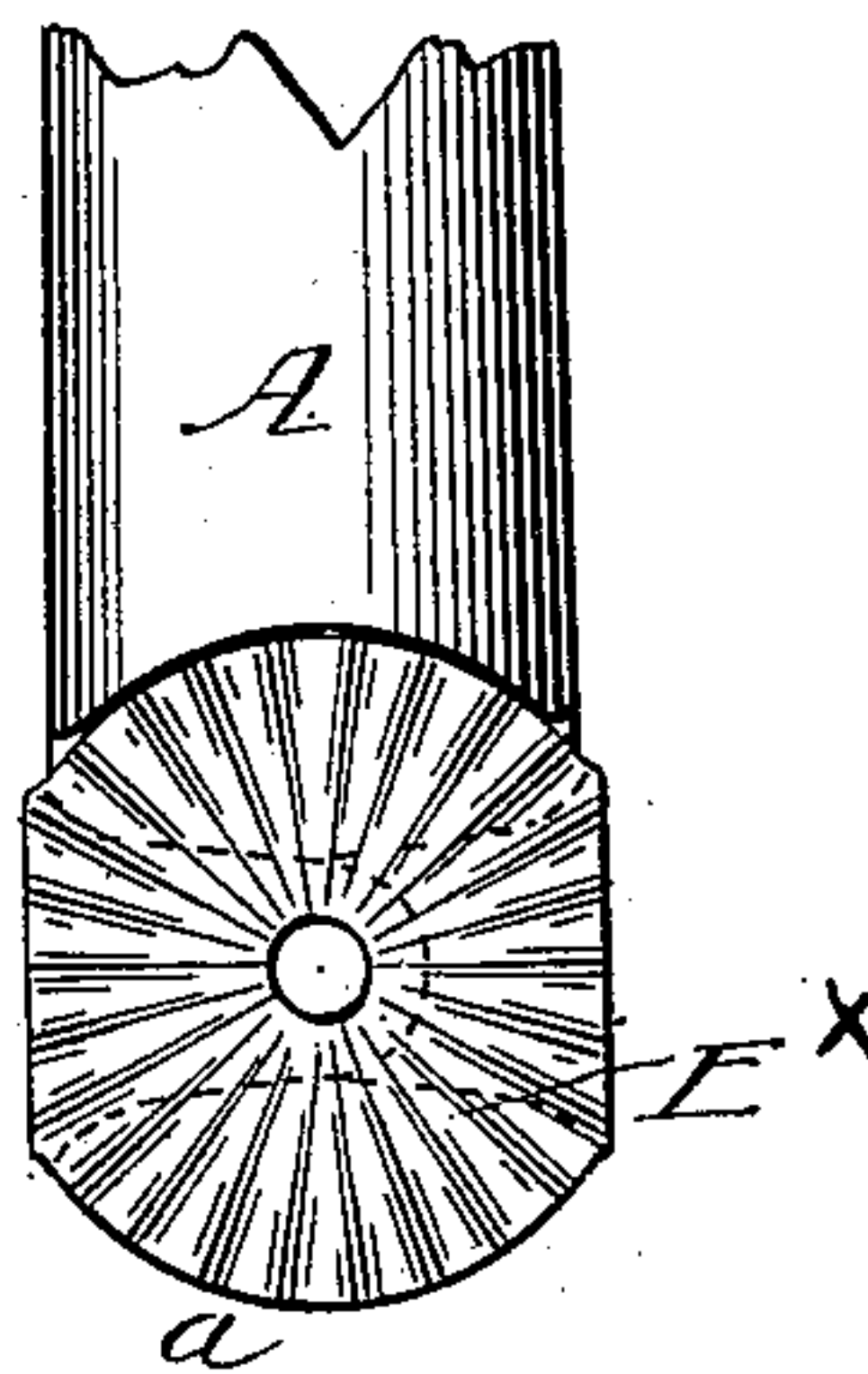
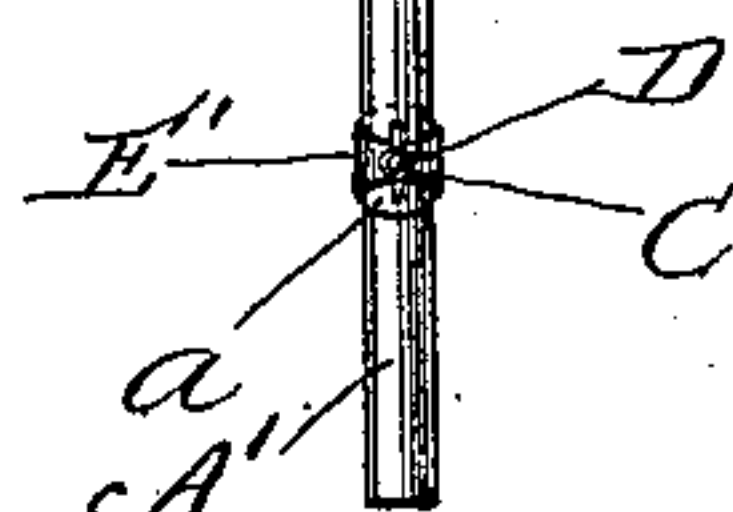


Fig. 5.



Witnesses:

Frank S. Blanchard  
Wm. J. Hanning

Inventor:

Jay F. Kinney

By Attorneys  
Gladys Hopkins



# UNITED STATES PATENT OFFICE.

JAY FREDERICK KINNEY, OF EVANSTON, ILLINOIS.

## BROOM-HANDLE.

SPECIFICATION forming part of Letters Patent No. 618,466, dated January 31, 1899.

Application filed April 18, 1898. Serial No. 677,974. (No model.)

*To all whom it may concern:*

Be it known that I, JAY FREDERICK KINNEY, a citizen of the United States, residing at Evanston, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Broom-Handles, of which the following is a specification.

The present invention relates to that class of broom-handles that are formed in sections jointed together in such manner that the sections going to make up the handle may be placed at different angular positions with relation to each other; and the object of the invention is to provide an improved broom-handle of this class.

To this end the invention consists in the features of novelty that are hereinafter fully described with reference to the accompanying drawings, which are made a part of this specification, and in which—

Figures 1 and 2 are elevations of a broom having a handle embodying the invention, Fig. 1 being viewed in the direction of the arrow 1, Fig. 2, and Fig. 2 in the direction of the arrow 2, Fig. 1. Fig. 3 is a transverse section thereof on the line 3 3, Figs. 1 and 2. Fig. 4 is an elevation of a fragment of the lower extremity of the handle. Fig. 5 is an elevation of a handle embodying the invention.

The handle as a whole is formed in two parts A A', upon the latter of which the head B is built up in customary manner. The shorter part A' is of only sufficient length to provide for the building up of the head upon it and to provide for its own attachment to the longer part or handle proper, A. The parts A and A' are of similar and complementary shape at their meeting ends—that is to say, they are cut away to provide overlapping ears a a', which are perforated for the reception of a bolt C, onto which is turned a thumb-nut D. The tongues terminate at their extremities upon curves that are concentric with the perforations of the ears, and the cut-away portion of each of the parts is complementary to the curved end of the other part, so that the two parts may move relatively to each other about the bolt C as an axis without opening the joint between them.

In order to strengthen the overlapping ears, they are surrounded by metallic straps or bands E and E', respectively. Each of these bands is made of a piece of sheet metal having at its middle an enlarged portion (shown at E<sup>x</sup> in Fig. 4) which is coterminous with the inner face of the ear, and its extremities are overlapped, the overlapping portions and the portions E<sup>x</sup> being perforated for the passage of the bolt C. These bands not only strengthen the overlapping ears, but, in addition, by reason of the wear-plates E<sup>x</sup>, they provide greater friction than would result from the contact of the surfaces of the ears themselves, and in order to still further increase the frictional contact and prevent the relative movement of the two parts of the handle the wear-plates are fluted or corrugated, as shown in Fig. 4, or otherwise roughened.

With handles thus constructed the heads and handles proper may be packed separately for shipment. Furthermore, the joint at the lower end of the handle proper enables it to be placed at any desired angle with relation to the head. It may be placed in the customary position, or it may be placed at an angle such as is represented by dotted lines in Fig. 2. When in this position, the broom may be used as a push-broom, or it may be moved still farther from customary position, and thus enable the use of the broom for cleaning the tops of high articles of furniture.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

As a new article of manufacture, a broom-handle formed in two sections provided with overlapping perforated ears, a metallic band surrounding each of said ears and having corresponding perforations, a bolt passing through said perforations, and a thumb-nut turned onto the bolt, substantially as set forth.

JAY FREDERICK KINNEY.

Witnesses:

E. B. FERRY,  
ROBERT KELLAM CABLE.