

(No Model.)

S. H. WILLIAMS.
BROOM HEAD.

No. 441,271.

Patented Nov. 25, 1890.

Fig. 2.

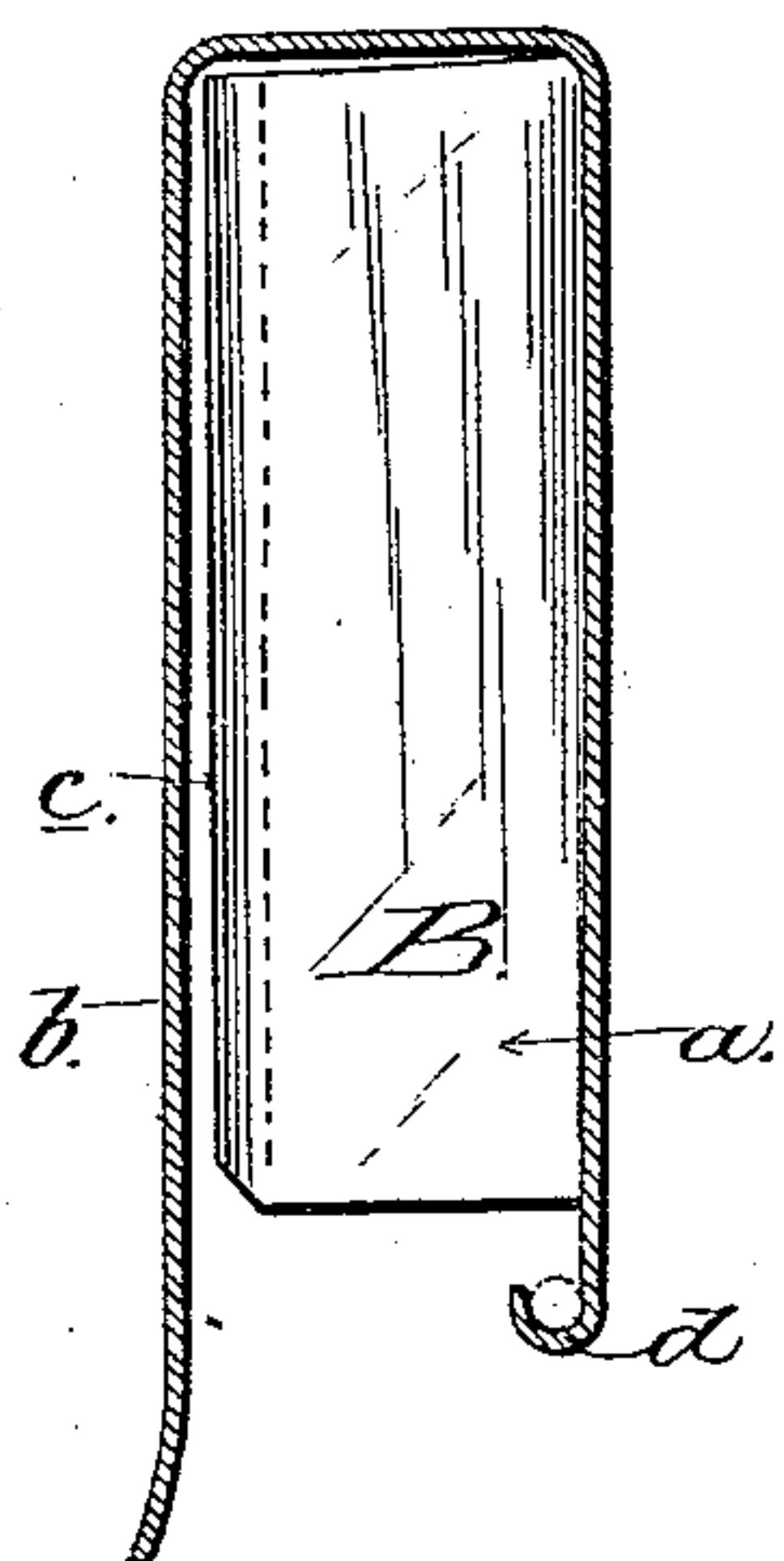


Fig. 3.

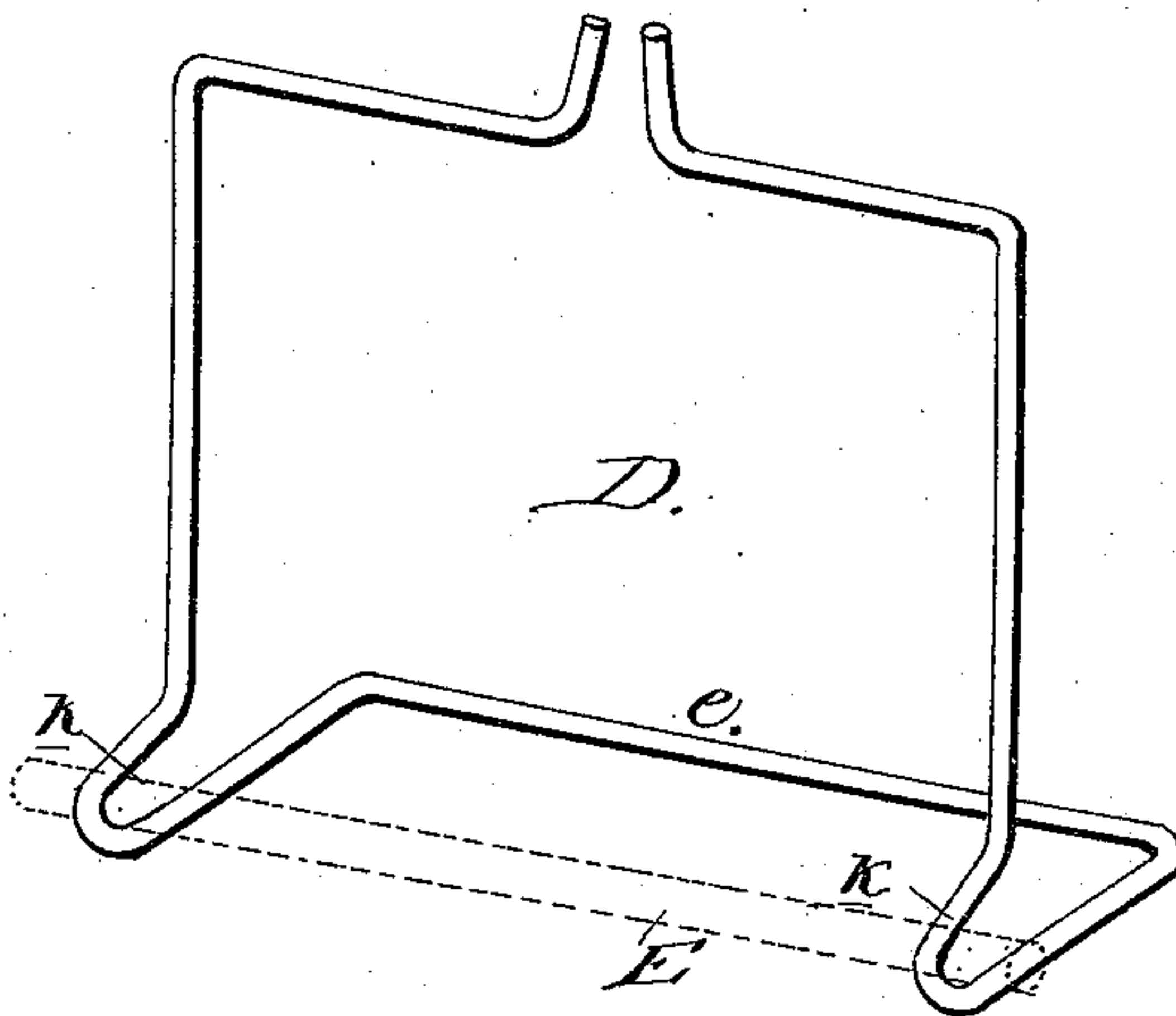
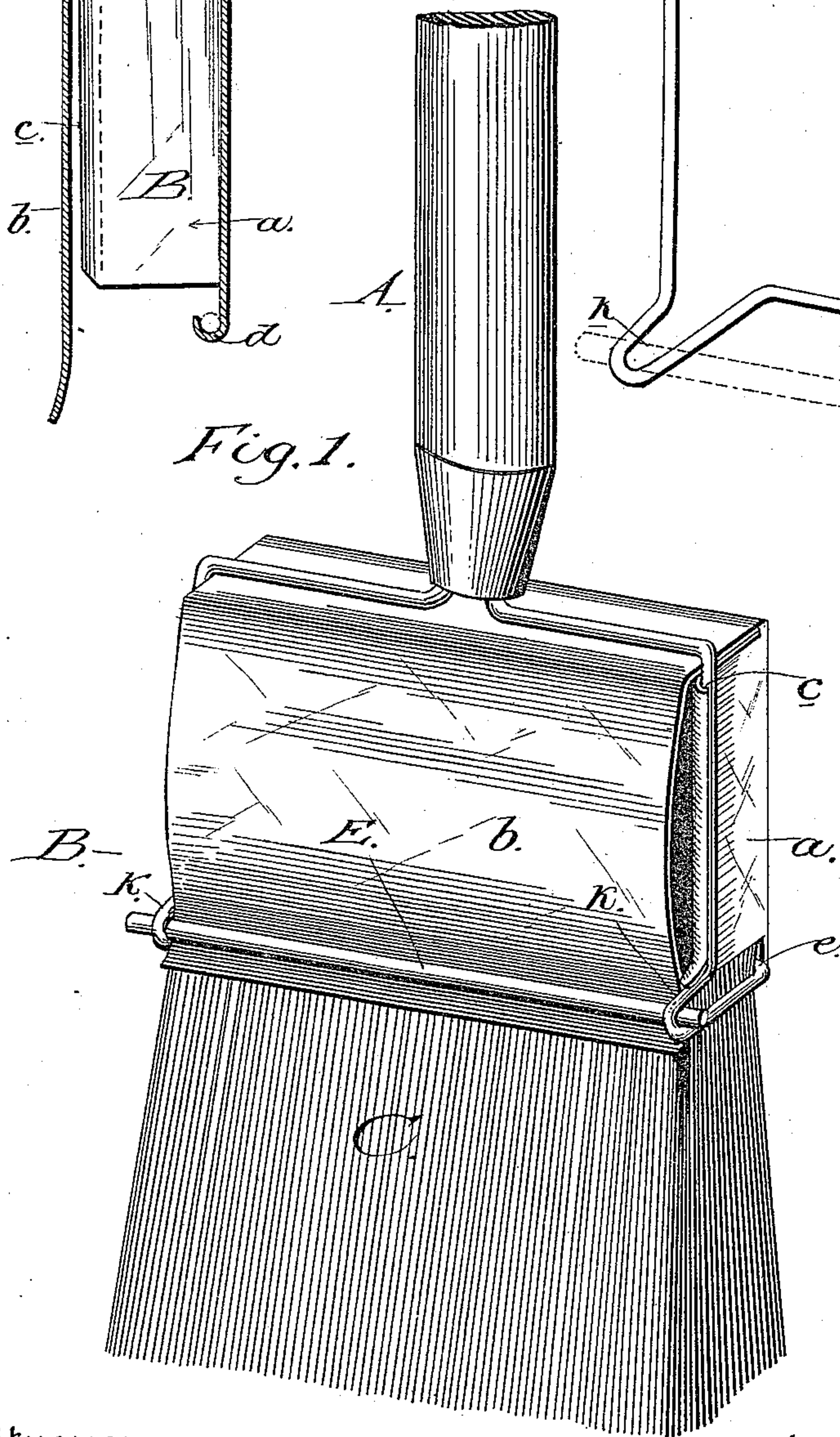


Fig. 1.



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UNITED STATES PATENT OFFICE.

SION H. WILLIAMS, OF HORNBEAK, TENNESSEE.

BROOM-HEAD.

SPECIFICATION forming part of Letters Patent No. 441,271, dated November 25, 1890.

Application filed August 13, 1890. Serial No. 361,882. (No model.)

To all whom it may concern:

Be it known that I, SION H. WILLIAMS, a citizen of the United States, residing at Hornbeak, in the county of Obion and State of Tennessee, have invented certain new and useful Improvements in Broom-Heads, of which the following is a full and clear description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a broom embodying my invention. Fig. 2 is a sectional view of the metal head. Fig. 3 is a detail of the bail.

This invention relates to the heads of brooms and brushes, and particularly to that class in which the straw is removably held within the head so that the old straw may be taken out and the head refilled with new straw; and my invention consists in the improved broom-head hereinafter fully described and claimed.

To enable others skilled in the art to which my invention appertains to make and use the same, I will now describe its construction and indicate the manner in which the same is carried out.

In the accompanying drawings, A represents the handle portion, and B indicates the head, composed, preferably, of tin or sheet metal, which is made in the form of a four-sided box or receptacle to receive the straw C. This head B is formed with end flaps *a* and with a front flap *b*, which is adapted to be bent back to expose the interior chamber of the head, while the edges of the end flaps adjacent to the front flap are curved backwardly to form grooved seats *c*, as shown, the lower edge of the rear plate of the head being also curved inward, as at *d*, to receive the horizontal arm *e* of the bail D. This bail is formed of a heavy piece of wire or like material, and after the horizontal member *e* thereof is fitted within the grooved or curved portion *d* of the head the ends of the rod extend forwardly at right angles with said arm *e* and somewhat beyond the front flap of the head. The wire bail is then bent backwardly

to form the loops *k*, after which the ends of the bail extend upwardly along the grooved seats in the end flaps *a* to the top of the head, when they are bent inwardly along said head and their ends securely fixed in the handle portion A.

To secure the front flap and to bind this flap tightly against the straw within the head, I employ a rod or heavy wire E, which is driven through the loops *k* and across the lower face of the front flap, as shown. This construction causes the rod E to draw the lower portions of the head tightly against the interposed straw, thereby securely binding the latter in place.

To remove the straw, as for the purpose of adding a fresh supply, the rod E is driven out of the loops, thereby releasing the parts, and the front flap is bent upwardly to expose the chamber in the head formed by the walls thereof.

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

1. A broom-head having a front wall or flap adapted to be bent outwardly, in combination with a handle portion, a bail fitted thereto inclosing three sides of the head and provided with loops, and a locking bar or rod adapted to be passed through said loops, substantially as herein described.

2. In combination with a handle portion, a head for containing the straw, said head having front and end flaps, the former of which is adapted to be bent upwardly and the latter having grooved seats along its edges, a bail carried by the handle portion and secured in the rear wall of the head, said bail extending over the top of the head and along said grooved seats and provided with loops projecting in front of the head, and a bar passing through said loops across the front flaps of the head, whereby the latter is secured, substantially as herein described.

SION H. WILLIAMS.

Witnesses:

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