

No. 640,038.

G. W. SMEAD & C. H. MOCK.

Patented Dec. 26, 1899.

BOOT CLEANER.

(Application filed Nov. 11, 1897. Renewed Dec. 1, 1899.)

(No Model.)

Fig. 1.

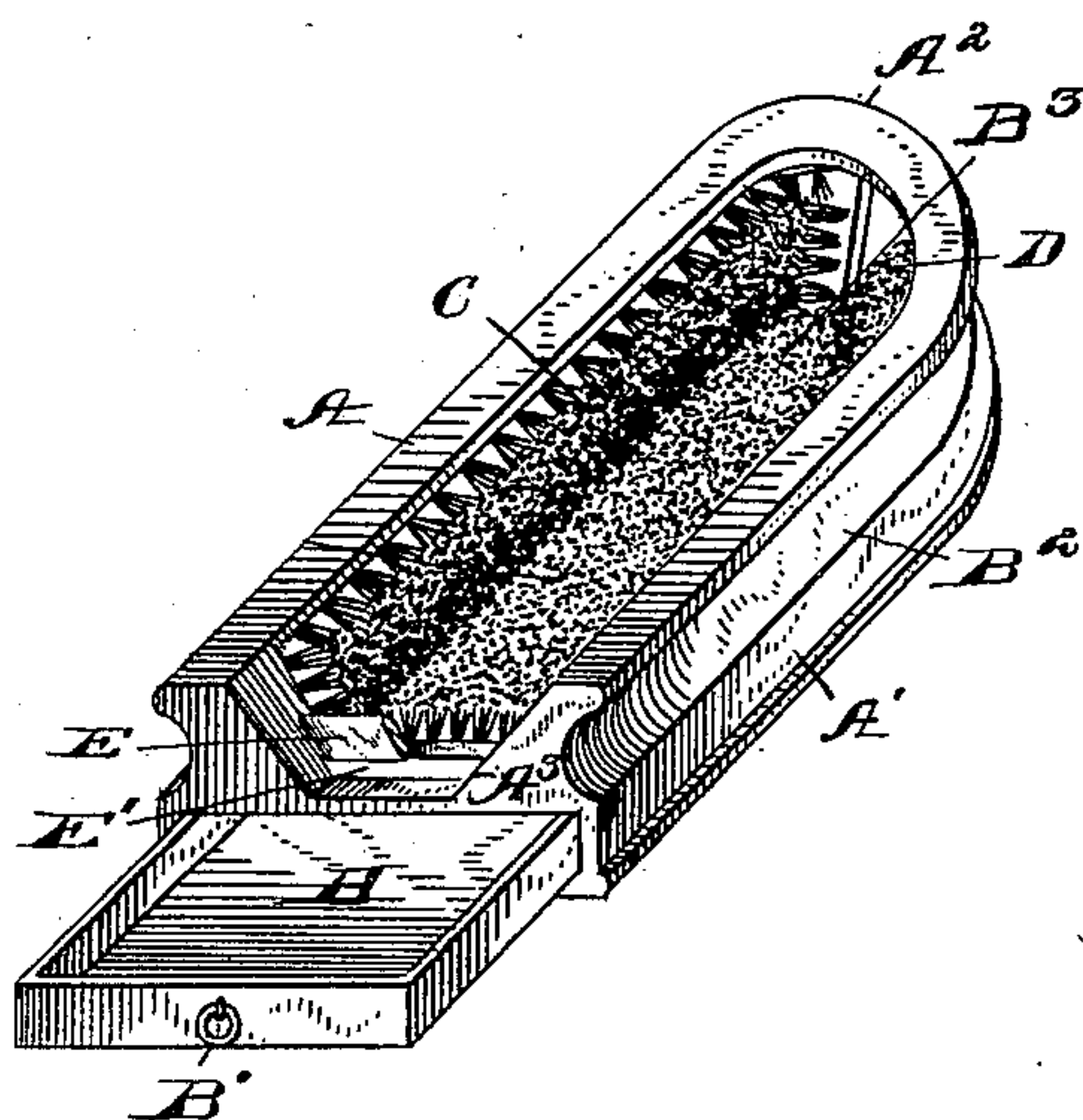


Fig. 2.

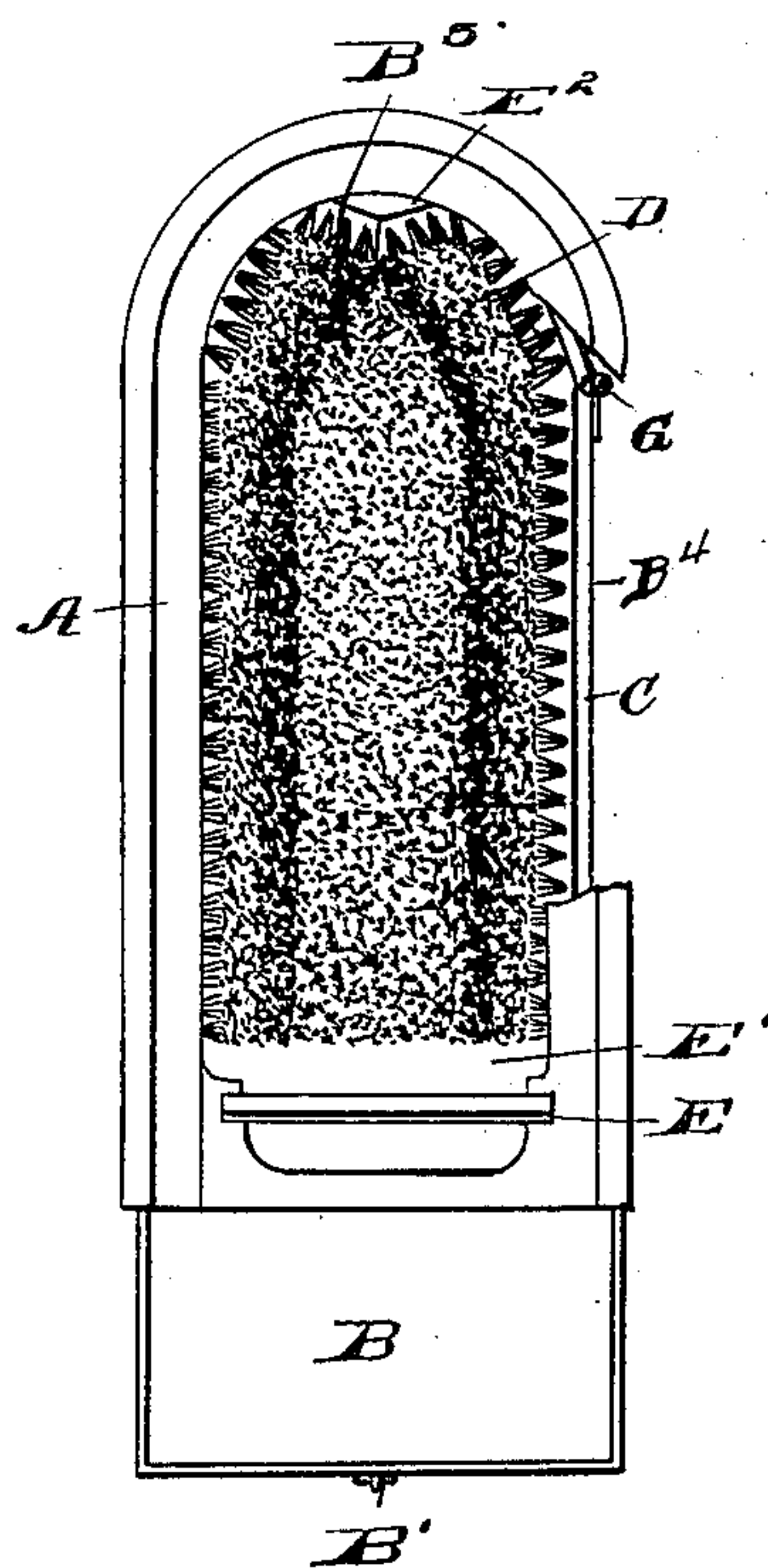


Fig. 3.

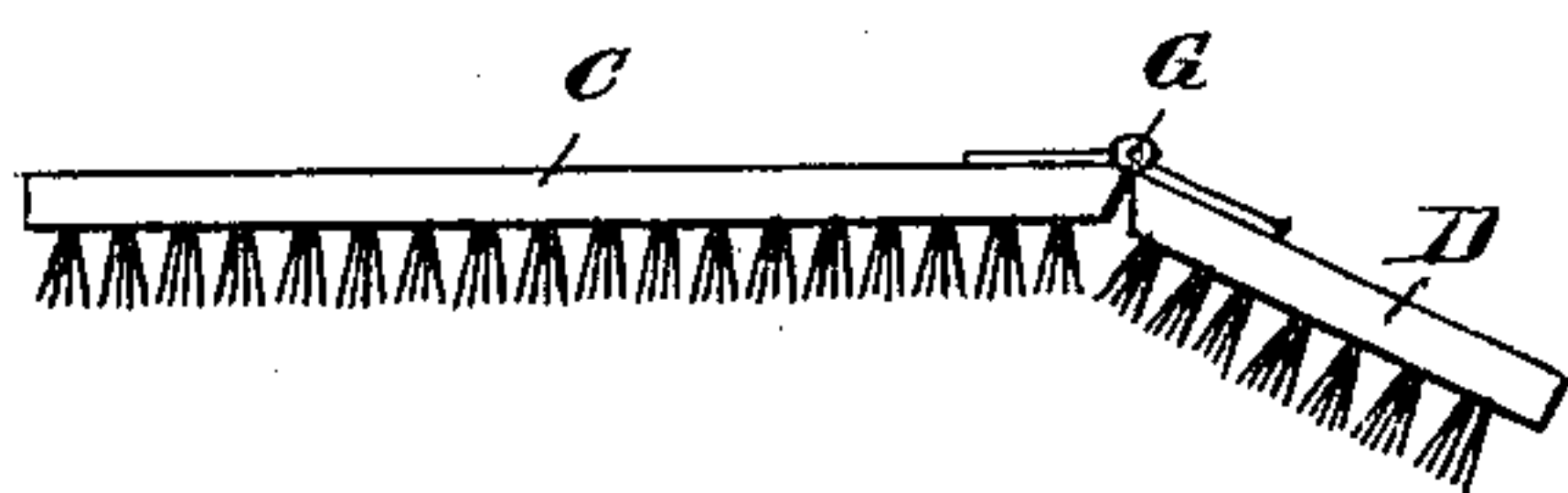


Fig. 4.

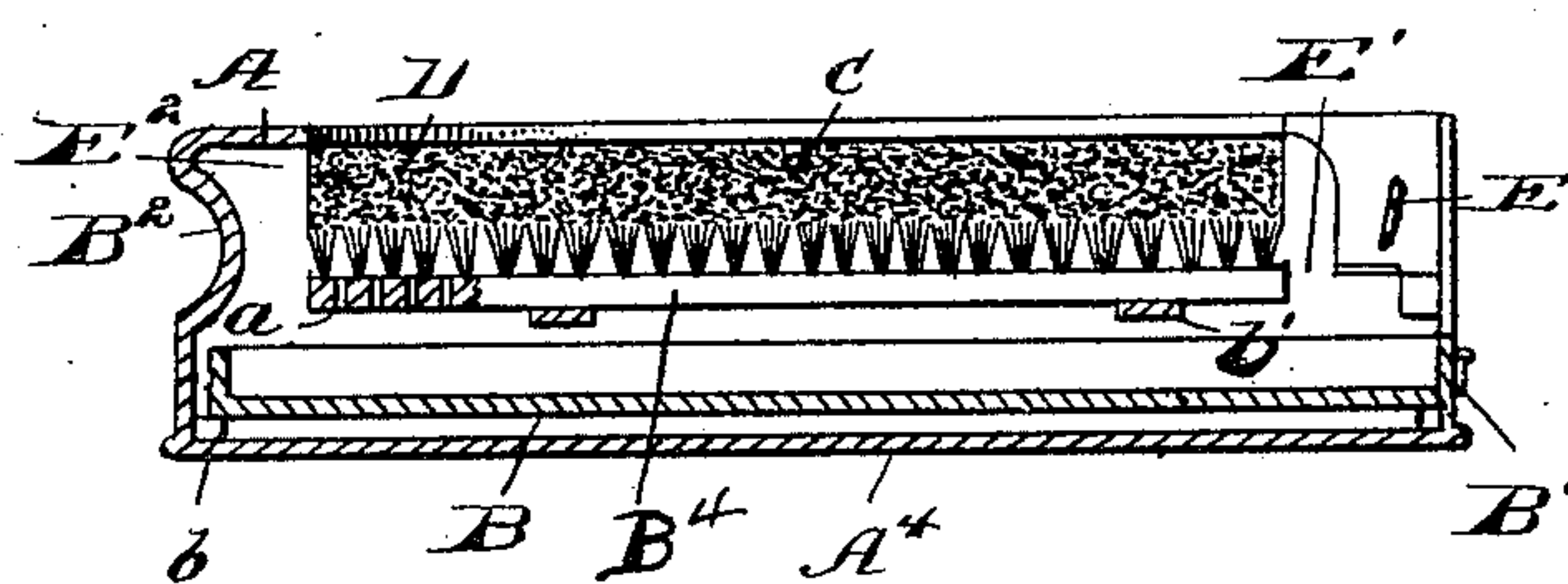
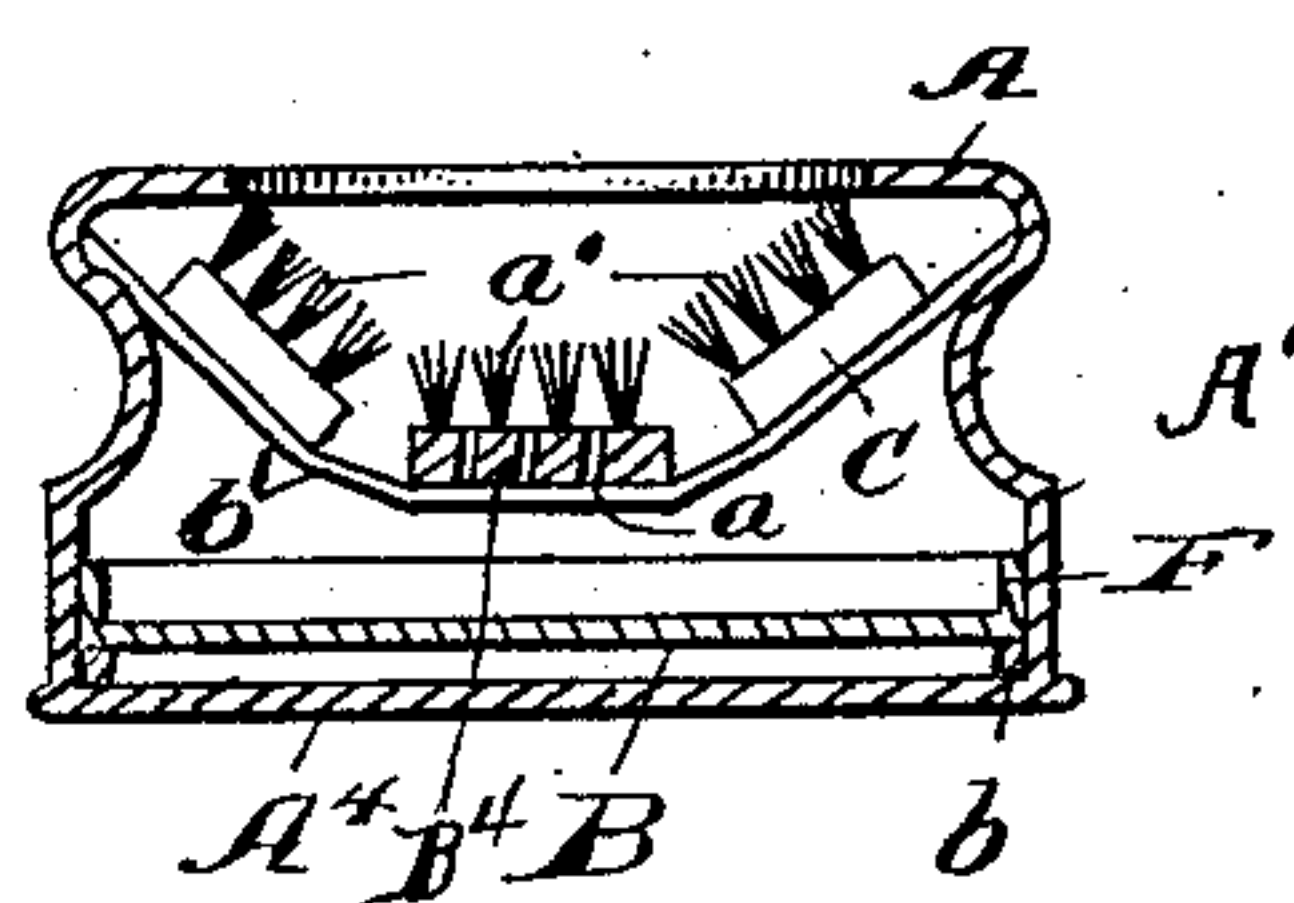


Fig. 5.



WITNESSES:

J. P. Appleman.
H. L. Bogan

INVENTORS

G. W. Smead
C. H. Mock.

BY

H. C. Everett & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

GEORGE W. SMEAD AND CHARLES H. MOCK, OF PITTSBURG, PENNSYLVANIA.

BOOT-CLEANER.

SPECIFICATION forming part of Letters Patent No. 640,038, dated December 26, 1899.

Application filed November 11, 1897. Renewed December 1, 1899. Serial No. 738,910. (No model.)

To all whom it may concern:

Be it known that we, GEORGE W. SMEAD and CHARLES H. MOCK, citizens of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Shoe-Cleaner, of which the following is a specification.

Our invention relates to certain new and useful improvements in shoe-cleaners.

The object of our invention is to provide a device of this character which can be used for readily cleansing the sole as well as the uppers of a pair of shoes.

A further object of our invention is to provide a device of this character in which the accumulated dust or dirt therein from the cleansing of the shoes can be easily and quickly removed therefrom.

Briefly described, our invention consists of a suitable box or receptacle having a series of brushes arranged therein, which will be hereinafter more fully described, and a suitable dust-receptacle which is adapted to receive the dirt or dust as it is removed from the shoe.

Our invention finally consists in the novel combination and arrangement of parts hereinafter more specifically described, and particularly pointed out in the claim hereunto appended.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, wherein like letters of reference indicate corresponding parts throughout the several views thereof, and in which—

Figure 1 is a perspective view of our improved shoe-cleaner, showing the dust-receptacle in an open position, also the brushes in position therein. Fig. 2 is a side view of one of the said brushes, which is connected to one of the head-brushes. Fig. 3 is a top plan view of our improved shoe-cleaner with the dust-receptacle open or extended, the one side of the said receptacle being partly broken away. Fig. 4 is a longitudinal sectional view thereof. Fig. 5 is a cross-sectional view thereof.

We construct our improved shoe-cleaner of a suitable hollow metallic box consisting of a top A, having formed integral therewith the sides A', which are closed at their upper end,

as at A², and have a suitable cut-away portion at their opposite end, as at A³, the sides being suitably formed integral or connected to the bottom A⁴.

A suitable opening is formed below the cut-away portion A³ to allow to have operate there-through the dust-receptacle B, the receptacle being supported on a series of extensions b, which are formed integral with the inner face of the bottom A⁴. The outer end of the dust-receptacle is provided with a ring B' or other suitable means to allow of the removal of the receptacle or casing.

Secured in the receptacle or casing, to the sides thereof, are a series of supporting-bands b', the ends thereof being supported on the converging portion B² of the sides. These supporting-bands are adapted to support the brushes in position, and they are constructed so as to have a base portion having the sides extending at right angles, as shown. Mounted or arranged on the extending portion of the bands b' is a series of brushes C, which are connected to the upper brushes D by means of the hinge G. Owing to this method of construction the brushes D engage with the upper or tapering end B³, which is mounted on the base portion of the bands b'.

The back of the brush b⁴ is provided with a series of perforations a, which are formed between the bunches of bristles a'. Owing to the forming on the back of the brush with this series of perforations the dust as it is removed from the shoe will readily fall therefrom into the dust-receptacle.

E indicates a knife or scraper which is arranged in the cut-away portion A³ and has an opening E' arranged on each side thereof to allow the dust or dirt as it is scraped from the sole of the shoe to fall into the dust-receptacle.

It will also be observed that the opening E² is formed by the brushes at their forward ends to allow of the tip of the toe to pass therethrough.

It will be readily observed that owing to the arrangement of the apertures within the box or casing the toe of the shoe will pass easily between the ends thereof, and also that the dust or dirt as it is removed from the shoe will readily fall into the dust-receptacle. From there it can be readily removed.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of our invention.

5 Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

10 A shoe-cleaner comprising a suitable metallic box or casing which is bent at the top and cut away at one end, a series of bands suitably mounted within said receptacle having a base portion and upwardly-extending sides, a brush

mounted on said base portion of said bands having its back formed with a series of apertures or perforations, brushes mounted on the upwardly-extending sides of said supporting-bands, and a suitable dust - receptacle arranged in said casing, substantially as shown and described. 15

GEORGE W. SMEAD.
C. H. MOCK.

Witnesses:

E. G. COLE,
G. J. WELSH.