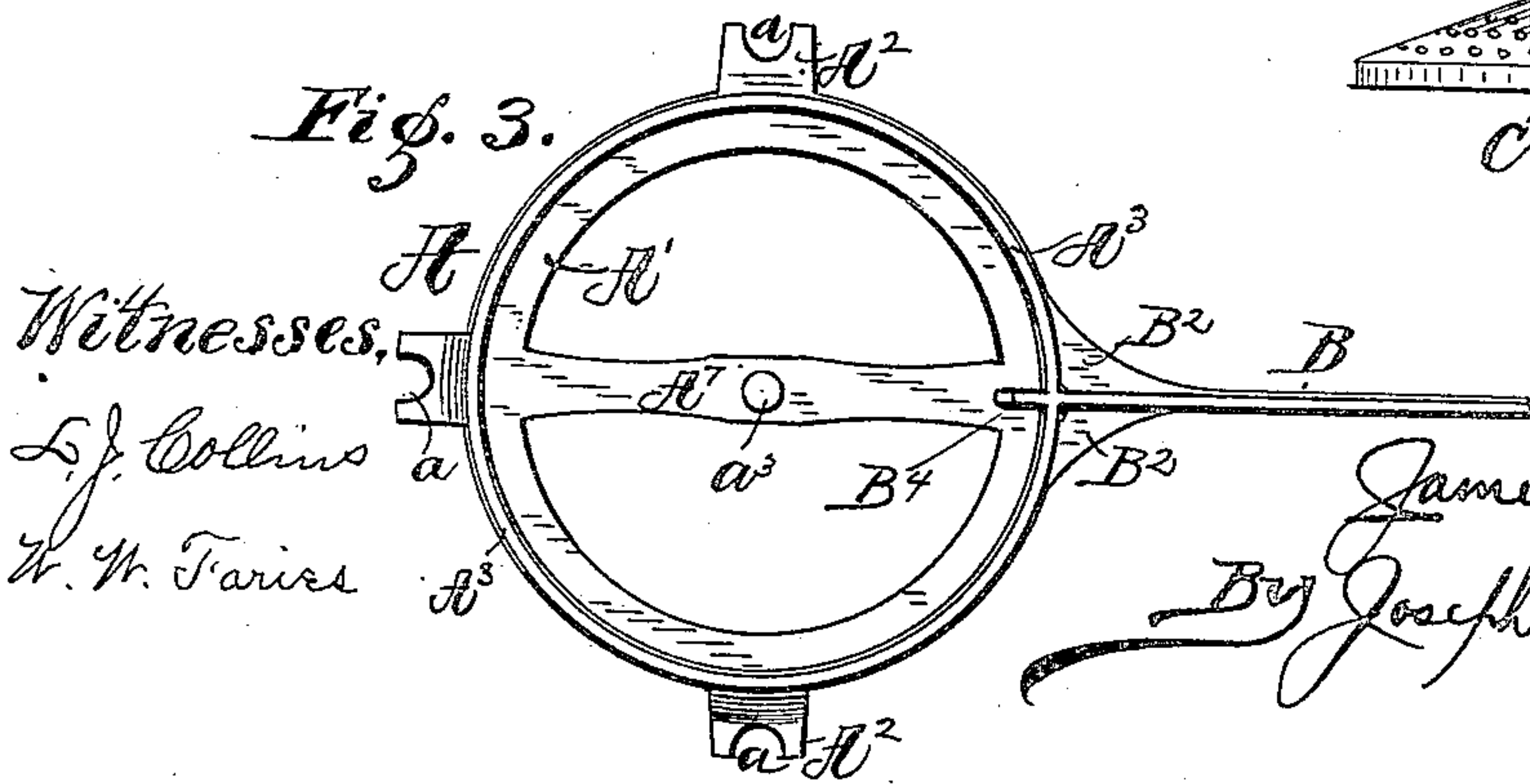
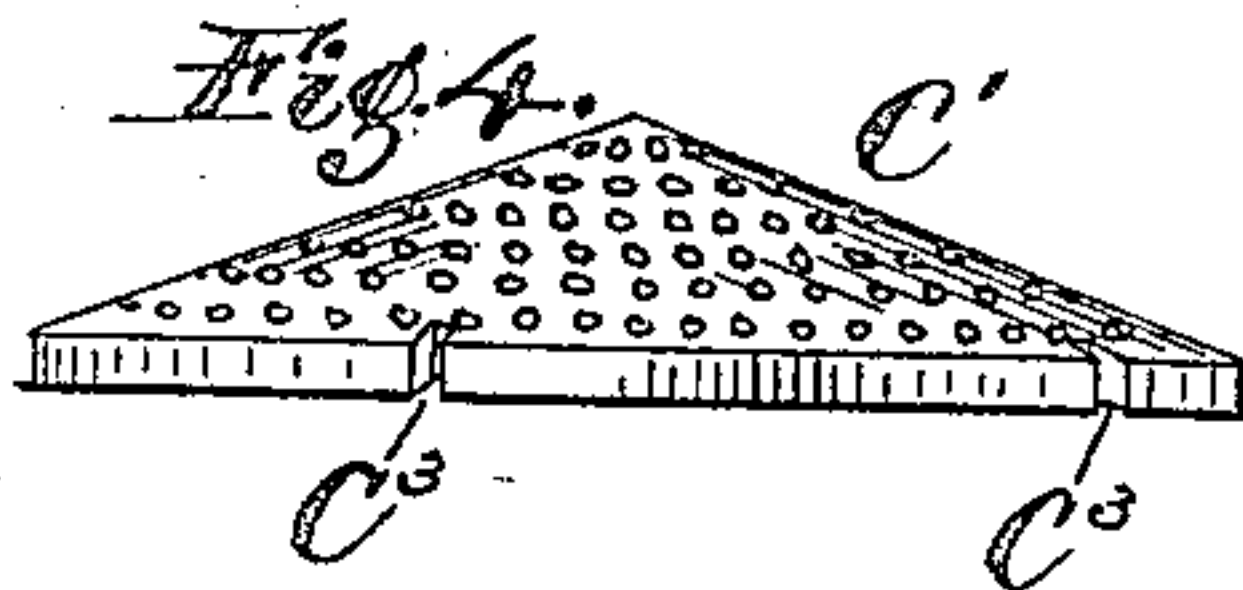
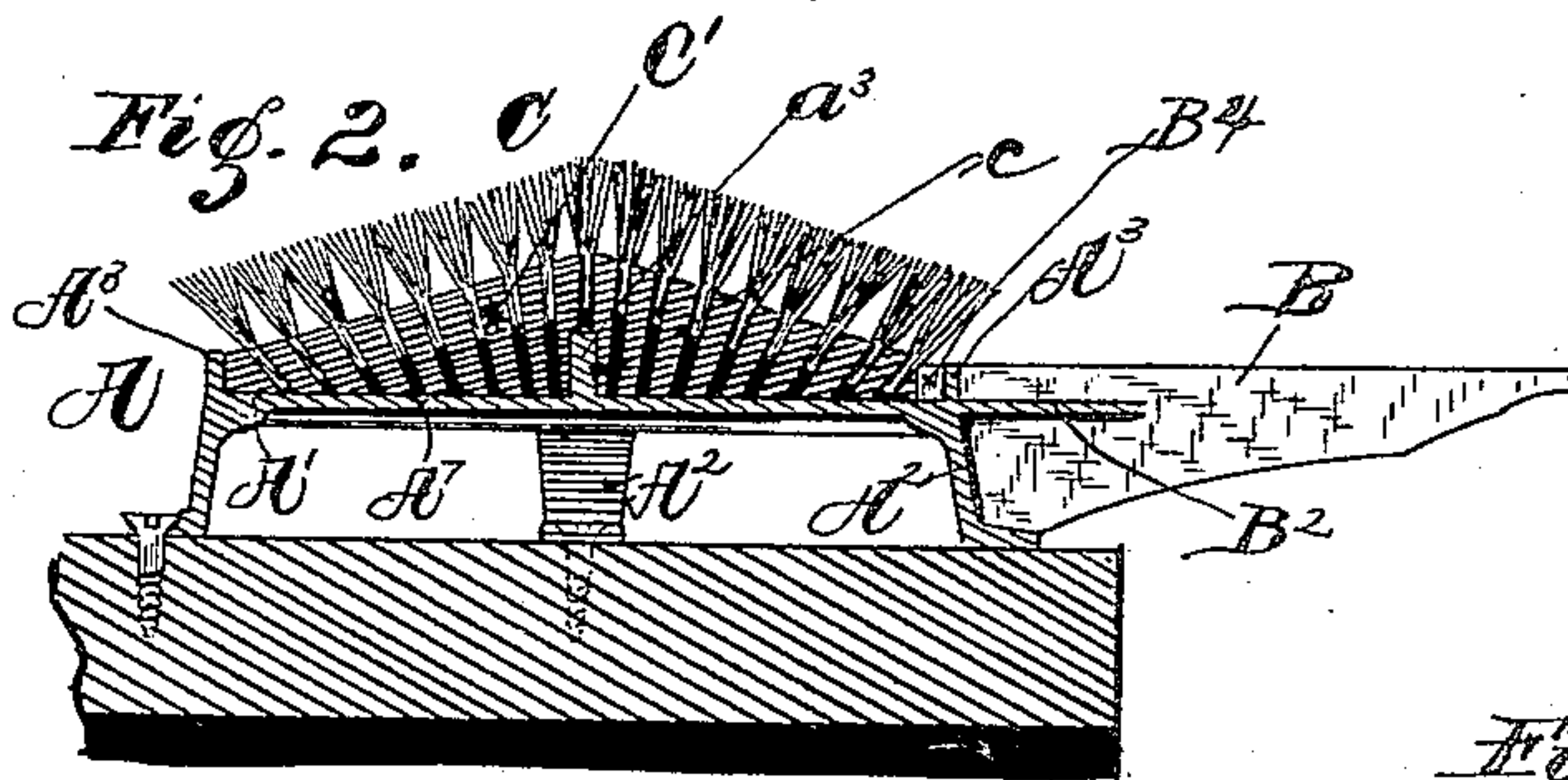
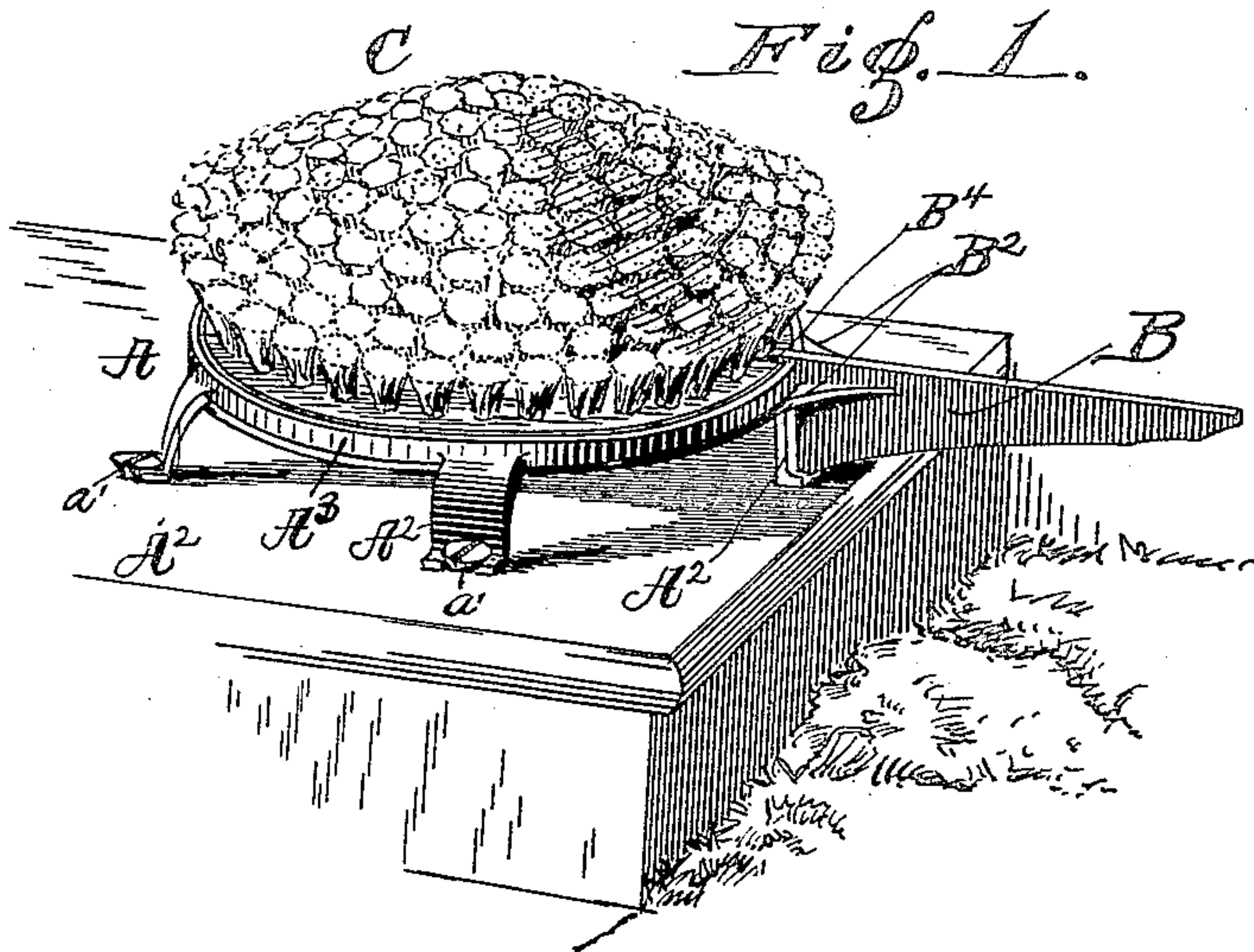


(No Model.)

J. C. WOOD.
COMBINED BRUSH AND SCRAPER FOR CLEANING BOOTS OR SHOES.
No. 529,541. Patented Nov. 20, 1894.



Witnesses,
L. J. Collins
W. W. Travis

Inventor

James C. Wood

By Joseph A. McInturn
Attorney,

UNITED STATES PATENT OFFICE.

JAMES C. WOOD, OF INDIANAPOLIS, INDIANA, ASSIGNOR OF ONE-HALF TO
EDWIN L. BROWN, OF SAME PLACE.

COMBINED BRUSH AND SCRAPER FOR CLEANING BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 529,541, dated November 20, 1894.

Application filed July 9, 1894. Serial No. 516,899. (No model.)

To all whom it may concern:

Be it known that I, JAMES C. WOOD, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in a Combined Brush and Scraper for Cleaning Boots or Shoes; 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.

The object of this invention is to provide a base or body portion which can be fastened securely to the walk or step outside of the door and which will give support to a scraper for scraping the shoes and also a brush by which, after the worst of the mud has been removed by the scraper, the remaining particles may be wiped off.

The object also is to provide means whereby the brush may be removably secured to the base and by which the brush may be adjusted so as to present different portions of the brush and thereby equalize the wear.

I accomplish the objects of the invention by the mechanism illustrated in the accompanying drawings, in which—

Figure 1, is a view in perspective of my complete device as it will appear when secured to the door step; Fig. 2, a vertical section of same; Fig. 3, a top or plan view of the base, the brush being removed; Fig. 4, a view in side elevation of the conical body to which the brushes proper are secured and shows also the notches by which the brush will be locked from revolving.

Similar letters refer to like parts throughout the several views of the drawings.

A represents the base which will be made preferably of cast iron and will consist of the horizontal ring A' having the integral and downwardly projected feet A² upon which the base will rest. These feet will be provided with the screw-holes or notches a, through which the screws a' will be projected and will be secured to the walk or step upon which it is designed that the foot cleaner shall rest.

A³ is a vertical flange integral with the ring and circumferentially placed thereon, so as to form a socket to receive and hold the brush

which will be deposited therein in the manner as will be hereinafter fully described.

A⁷ is a crossarm connecting the opposite sides of the ring and integral with said ring. It is provided with an upwardly projected pin or spur a³ which spur is placed exactly in the center of the ring A', and the purpose of the cross-arm A⁷ is to give support to this spur or pin.

B, is a blade-like projection integral with the base A, and projects outwardly to form a scraper by means of which the mud adhering to the user's shoes may be removed. This scraper will be strengthened by the corner braces B², as shown in the drawings. In placing the device for use the scraper will be made to project beyond the platform, to which the device is attached, in order to allow the scrapings to fall to the ground without lodging upon the platform. The outer end of the scraper is unsupported, which makes it necessary that a broad and well secured base be provided to give the scraper the requisite stability. The scraper will be placed directly opposite one of the foot pieces upon which the foot cleaner rests.

C represents the brush, which will consist of the base C' to which the bristles or brushes proper will be secured in the usual manner. The base C' will be made preferably of wood and will be conical in elevation in order to provide a more effective brush than would otherwise be secured with a flat brush. This conical shape is a very important and useful feature of my device. It affords better contact between the brush and shoe when used and secures a more equitable distribution of the work and in consequence a more even wear of the brush. The horizontal dimensions of the base C' will conform to the base A both as regards size and shape and will fit within the vertical flange around said ring. An opening c, will be provided to receive the pin a³, as shown in the drawings.

B⁴ is a lug on the inside of the flange A³, and integral with the flange and ring.

C³ is a notch in the periphery of the base C' into which the lug B⁴ will be projected when the brush is in place upon the base. The object of the central pin a³ and of the lug B⁴ is to lock the brush C and prevent its revol-

ing by the impact of the shoe in cleaning the feet and also to hold the base more securely within the socket of the base. In order that the brush may be turned around at times so
5 as to present different series of brushes to the direct wear, I provide a series of notches around the periphery of the base C' which will enable the base C' to be withdrawn and turned and then secured by placing the lug
10 in a new notch.

Having thus fully described my invention, what I claim as new, and wish to secure by Letters Patent of the United States, is—

15 In a device of the character specified, the combination with a base, and means for firmly securing the same to a platform or doorstep,

said base having an upwardly extending circular ring or flange, and a lug extending inwardly from said ring, of a brush having a circular body portion fitting within said cir- 20 cular ring, and provided with a number of notches for engagement with said lug, whereby said brush may be readily rotatively adjusted for wear, without moving the base, substantially as described. 25

In testimony whereof I affix my signature in presence of two witnesses.

JAMES C. WOOD.

Witnesses:

JOSEPH A. MINTURN,
EDWIN L. BROWN.