

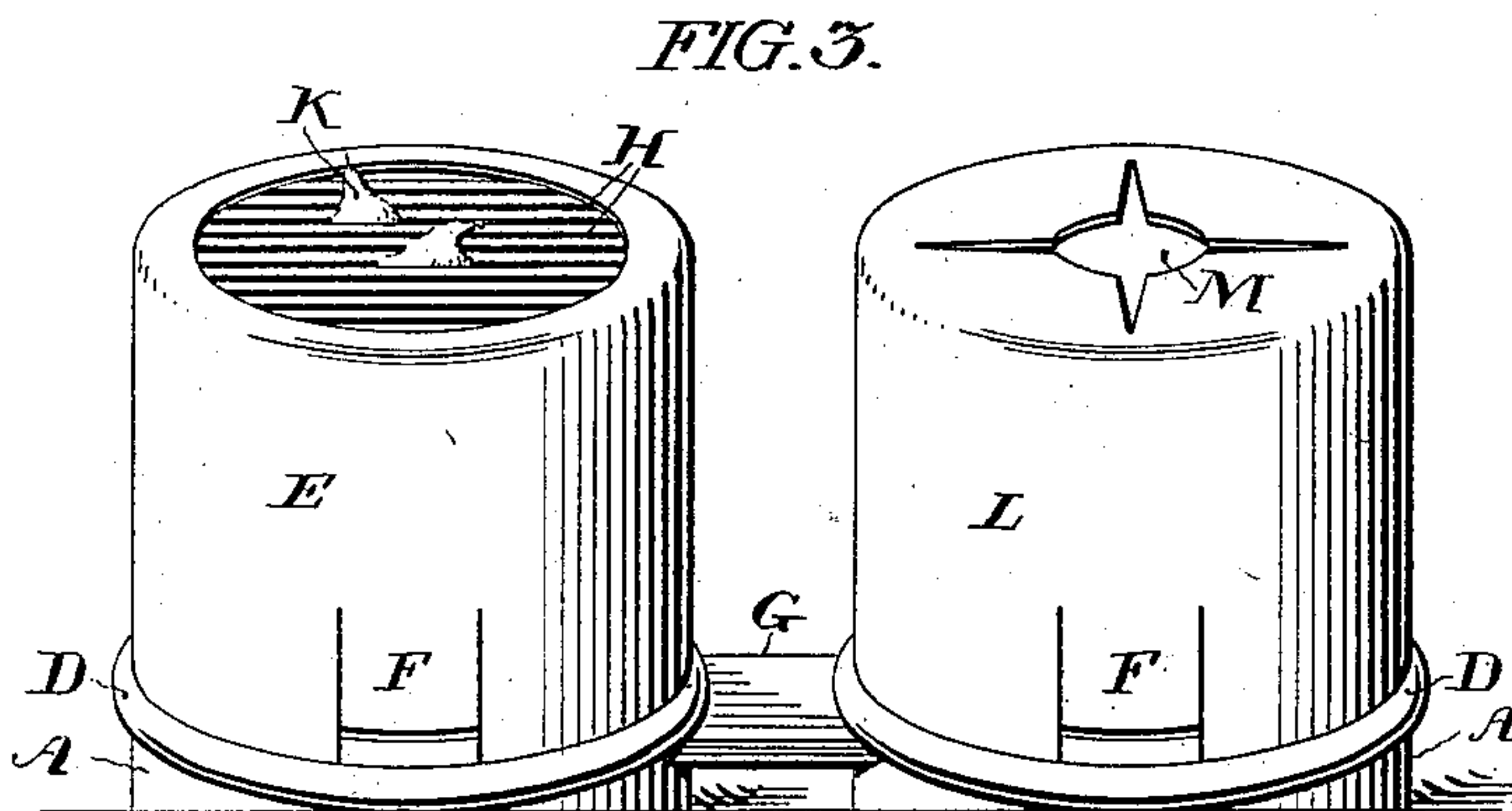
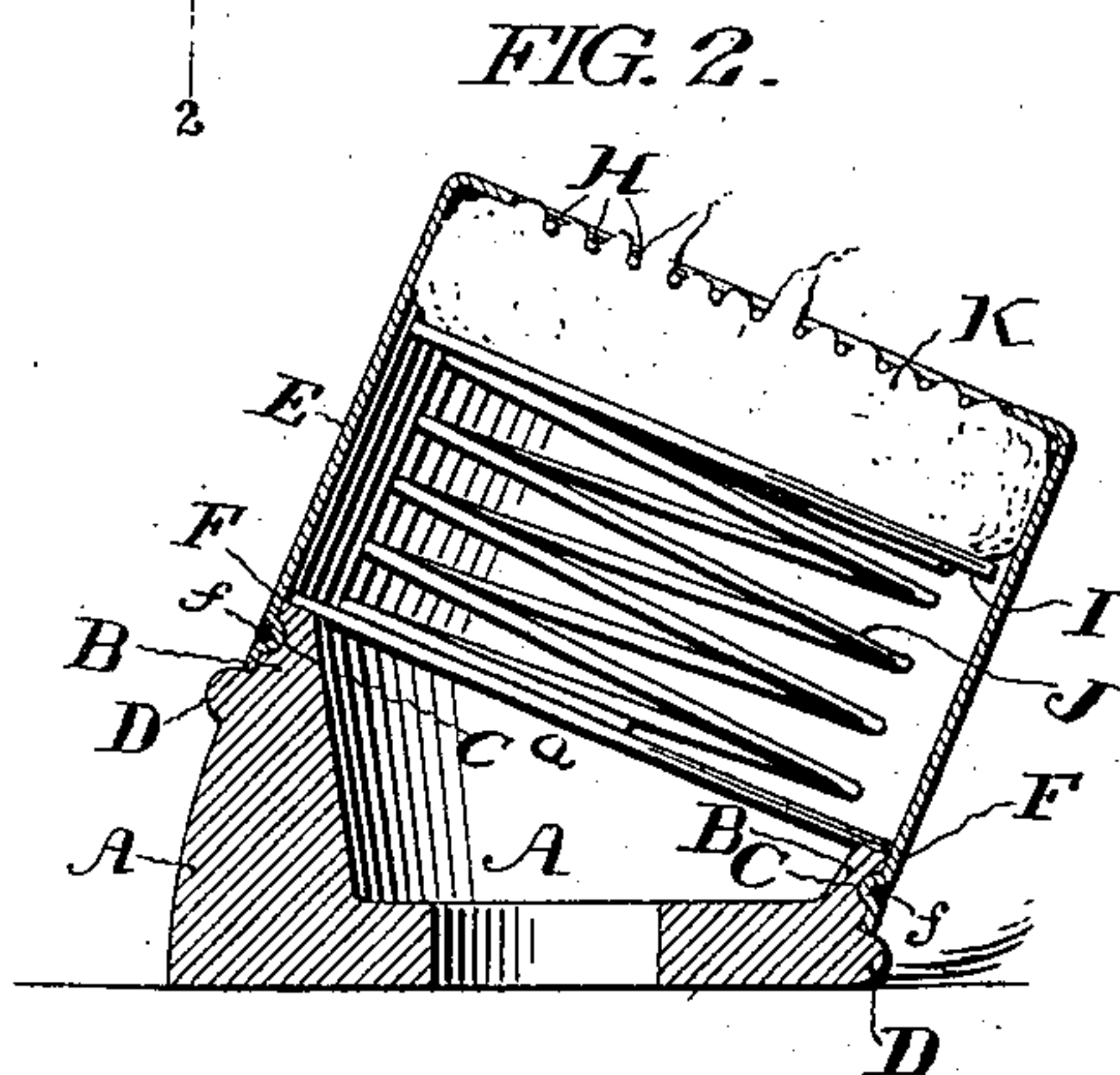
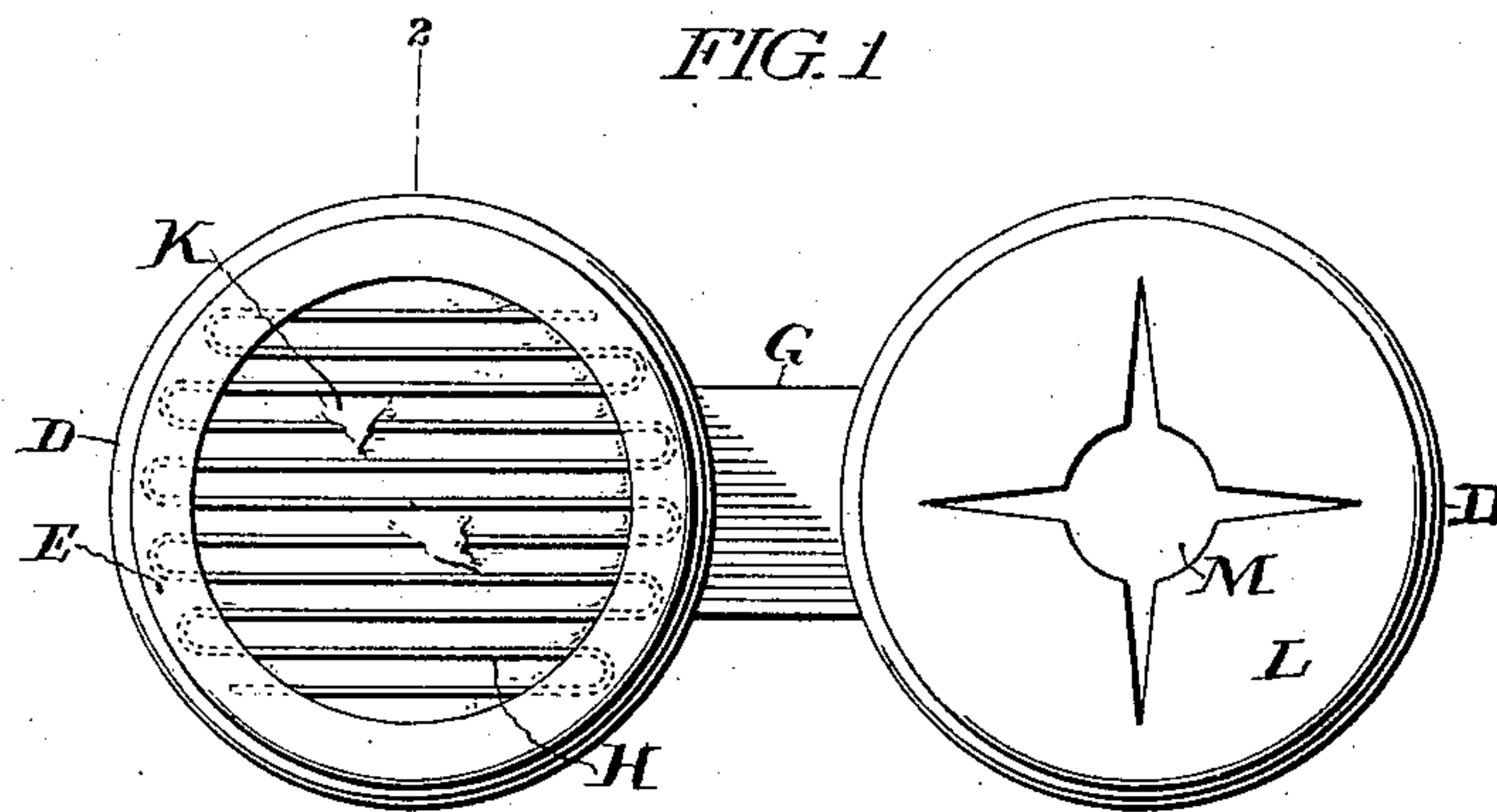
No. 620,222.

Patented Feb. 28, 1899.

A. W. BROWNE & G. L. HARRISON.
COTTON HOLDER AND WASTE RECEPTACLE.

(Application filed Dec. 9, 1898.)

(No Model.)



WITNESSES:

J. H. Koon
J. M. Aice

INVENTORS:

Arthur W. Browne
George L. Harrison, by
Edw. F. Simpson, Jr., Attorney.

UNITED STATES PATENT OFFICE.

ARTHUR W. BROWNE AND GEORGE L. HARRISON, OF NEW YORK, N. Y.,
ASSIGNORS TO THE S. S. WHITE DENTAL MANUFACTURING COMPANY,
OF PHILADELPHIA, PENNSYLVANIA.

COTTON-HOLDER AND WASTE-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 620,222, dated February 28, 1899.

Application filed December 9, 1898. Serial No. 698,709. (No model.)

To all whom it may concern:

Be it known that we, ARTHUR W. BROWNE and GEORGE L. HARRISON, citizens of the United States, residing at New York, (Prince's Bay,) in the county of Richmond and State of New York, have invented certain new and useful Improvements in Cotton-Holders and Waste-Receptacles; and we 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.

Our invention relates to cotton-holders and waste-receptacles for the use of dentists; and our object is to provide devices of this kind that will better meet the requirements for which they are intended.

Our invention consists of certain improvements which will be hereinafter fully described and then pointed out in the claims.

In the accompanying drawings, Figure 1 is a top or plan view of a combined cotton-holder and waste-receptacle constructed according to our invention. Fig. 2 is a vertical central sectional view of a cotton-holder on the line 2 2 of Fig. 1. Fig. 3 is a view in front elevation of said combined cotton-holder and waste-receptacle.

By the term "cotton-holder" is meant a device for containing absorbent cotton and provided with means for holding the cotton in position, from which it may be conveniently removed in desired small particles by the dentist. A "waste-receptacle" is a box or holder into which the dentist may conveniently drop small particles of waste cotton, &c.

Our improvements are common to both cotton-holders and waste-receptacles, the characteristics which distinguish the one from the other not being of our invention. We will therefore first describe a cotton-holder with particular reference to our improvements and will then designate the features peculiar to the cotton-holder as well as to the waste-receptacle.

A represents a metal base-piece, preferably circular in horizontal section, but which for the most part may be of any other desired shape. The bottom of the base-piece is flat

in order to enable it to rest upon a horizontal surface—such, for instance, as a dental bracket, table, or cabinet. The top *a* of the base-piece is inclined downwardly from rear to front relatively to the bottom, the angle of inclination being about twenty-three degrees. For a short distance below its inclined top the base is formed with a cylindrical portion B, the walls of which are disposed at a right angle to the top surface of the base. A groove C is formed in the cylindrical portion B of the base and is shown as extending entirely around the same. Just below the groove C is an annular enlargement, shoulder, or bead D.

E represents the holder proper, which is cylindrical in form and open at bottom. The lower open end of the cylindrical holder is adapted to be fitted upon the upper inclined cylindrical portion B of the base, with which it has detachable connection. This detachable connection consists of spring-tongues F on opposite sides of the holder and provided with lugs *f*, adapted to engage the groove C of the base. When in position upon the base, the lower edge of the holder abuts against the shoulder D of the base. Obviously but one spring-tongue F may be used, if desired, or more than two such tongues may be used, and the groove C need not necessarily extend entirely around the base, although we prefer that it should.

The cotton-holder E is provided with an open outer end, crossed by a series of parallel bars H, formed by a continuous wire suitably bent and secured in place, as shown. A circular disk or follower I and a spring J should be employed, as usual, for pressing the cotton K against the bars H.

L represents the waste-receptacle, which has a closed top provided with a star-shaped opening M, through which the waste cotton, &c., may be dropped into the receptacle. These last-mentioned features may of course be varied in any suitable way.

The preferred embodiment of our invention consists of a combined device in which a cotton-holder E and a waste-receptacle L are supported side by side and their bases united

by a connecting-piece G. We also design to make the cotton-holder and waste-receptacle as separate articles having no connection with each other.

5 The chief advantages of our improved construction are, first, that by tipping or inclining the holder or receptacle the outer end thereof, from which the cotton is to be picked or into which the waste is to be dropped, is
10 presented to the dentist at an angle, whereby the picking of cotton therefrom or the placing of waste therein may be performed with the greatest ease and convenience, and, second, that the holder or receptacle cannot be
15 come accidentally separated from the base, yet it can be quickly and conveniently detached therefrom for the purpose of renewing the supply of cotton in case of the cotton-holder and for removing the waste cotton,
20 &c., in case of the waste-receptacle and then be as quickly and conveniently replaced in position upon the base.

We claim as our invention—

1. A cotton-holder or waste-receptacle con-

sisting of the base having a flat bottom and 25
an upper cylindrical portion inclined at an angle to said flat bottom, in combination with a cylindrical holder having detachable connection with said inclined cylindrical portion
30 of the base, whereby said cylindrical holder is tipped or inclined relatively to said base, substantially as described.

2. A cotton-holder or waste-receptacle consisting of a base having an upper cylindrical portion provided with a groove, in combination with the cylindrical holder having detachable connection with said cylindrical portion of the base and provided with a spring tongue or tongues for engaging the groove in
35 said base, substantially as described. 40

In testimony whereof we affix our signatures in presence of two witnesses.

ARTHUR W. BROWNE.
GEORGE L. HARRISON.

Witnesses:

SEYMOUR CASE,
M. A. COLE.