No. 735,883. PATENTED AUG. 11, 1903.

F. & H. F. KEIL.

CUSHIONED BASE FOR RECEPTACLES.

APPLICATION FILED APR. 30, 1903.

NO MODEL.

Fig. 1.

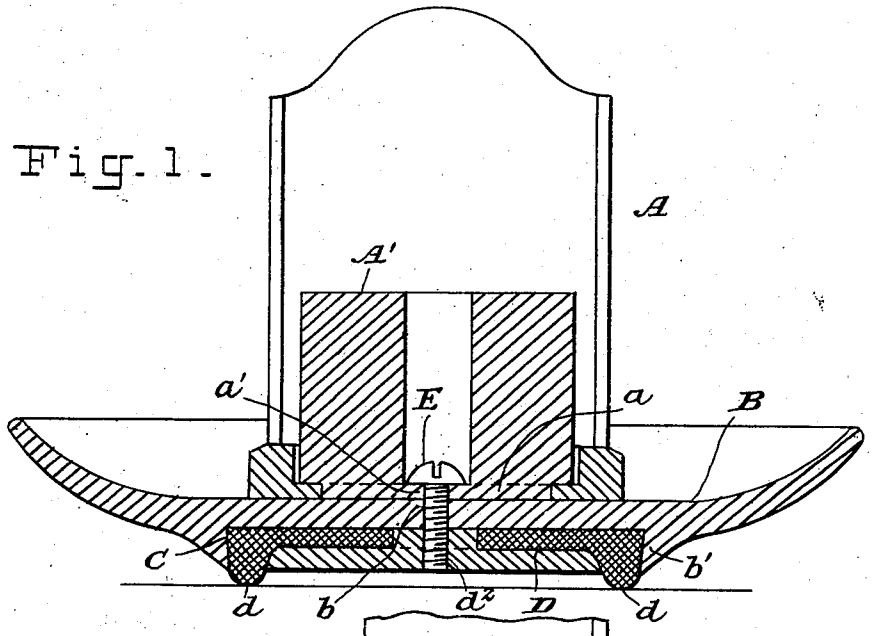


Fig. 1ª

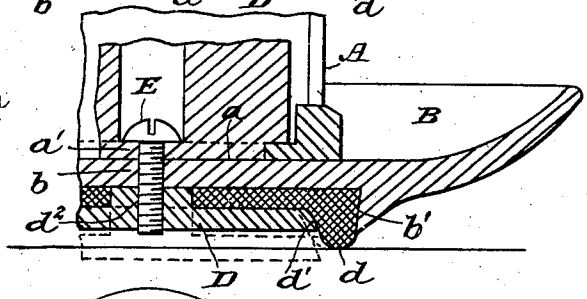
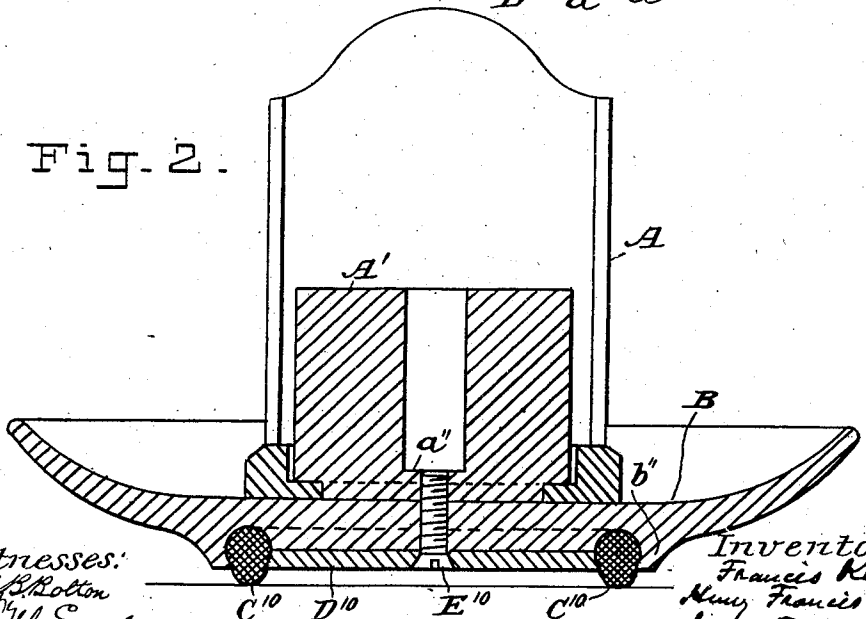


Fig. 2.



Witnesses:
E. B. Bolton
F. M. Earle

Inventors:
Francis Keil.
Henry Francis Keil
By J. C. Fowler Jr.
their Attorney.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 735,883. Patented August 11, 1903.

UNITED STATES PATENT OFFICE.

FRANCIS KEIL, OF NEW YORK, AND HENRY FRANCIS KEIL, OF BRONXVILLE, NEW YORK.

CUSHIONED BASE FOR RECEPTACLES.

SPECIFICATION forming part of Letters Patent No. 735,883, dated August 11, 1903.

Application filed April 30, 1903. Serial No. 154,999. (No model.)

To all whom it may concern:

Be it known that we, FRANCIS KEIL, a resident of New York, in the county of New York, and HENRY FRANCIS KEIL, a resident of Bronxville, in the county of Westchester, State of New York, citizens of the United States of America, have invented a certain new and useful Cushioned Base for Receptacles, of which the following is a specification.

This invention relates to containing vessels, as those made of metal or other incombustible material, for holding splints of wood, paper, &c., tipped with some inflammable substance ignitible by friction, usually designated as "match-safes," or other receptacles, as inkstands, cuspidors, bottles, and the like, and particularly to a cushion for the bottom of the same, which may be detached when worn and replaced by a new one; and it has for its object the provision of an apparatus of the kind set forth simple in construction, inexpensive to manufacture, and efficient in practical use.

To attain the desired end, this invention consists in the construction, arrangement, and operation of parts herein set forth.

In the drawings which accompany and form a part of this specification, Figure 1 represents a vertical longitudinal section of a receptacle provided with a cushioned base constructed according to this invention. Fig. 1^a is a view in detail of the base, retainer, and intermediate cushion, and Fig. 2 is a vertical longitudinal section of another or similar article so constructed.

Like letters of reference indicate like parts in all the views.

Referring particularly to the drawings, which show a cushioned match-safe constructed according to this invention, A denotes the side walls of a holder for a match-box, provided at the bottom thereof with an orifice, and A′ the seat for the said box, provided with a shoulder to engage the said orifice and with a central open portion or bore *a*, extending partly through the same, and a screw-hole *a′*.

B is the base of the holder, provided with a centrally-located screw-hole *b* and with shoulders B′, located in the bottom thereof.

C is a flexible diaphragm or plate, ordinarily constructed of leather, rubber, &c., and provided with a preferably semicircular raised rim or edge *d* and an open central portion.

D is a plate provided with a shoulder *d′* to engage the open portion of the flexible diaphragm C and also with a threaded screw-hole d^2. The parts are held together by a screw E, which passes through the screw-hole *a′* of the bore *a* and also through the orifice *b* and is engaged with the threaded hole d^2 of the shoulder *d′*. When the independent concentric retainer part D, having along its periphery a rigid flaring edge *d′*, smaller in diameter than the rigid circular depending rim *b′* of the base, is applied to said base after the flexible or elastic cushion C, which conforms in contour with the inner face of the base-rim and the opposite face of the retainer edge, is inserted in place, the manipulation of the screw E forces the outer and inner faces of the cushion C (shown in dotted lines in Fig. 1^a) together and the upper and lower faces of the same apart in proportion to the degree in which the retainer is drawn toward the base.

In Fig. 2 the base B is provided with concaved shoulders *b″* in order to hold a flexible ring C′°, ordinarily constructed of leather, rubber, &c., and the plate D′° is provided with a concaved edge to bear against the ring C′° and is screwed directly to the seat A′ by the screw E′°, which passes through central orifices of the base B and plate D′° and engages the threaded hole *a″* of the said seat. The retaining-plate D′° and screw E′° may be integral, if preferred.

In operation when the cushioned base of a receptacle provided with this improvement (in order to prevent the same from scratching the polished surface of a table, desk, floor, &c.) becomes worn down the screw is unloosened and the retaining-plate removed, whereupon the worn flexible device or cushion may be detached from the base and a new one may be quickly substituted therefor at a nominal expense.

Obviously our invention may be embodied in other forms of mechanism than that which we have described and is applicable to and may be advantageously employed in many

kinds of receptacles, and we do not, therefore, wish to limit ourselves to the use of the device in connection with match-safes alone.

As it is evident that many changes in the construction, form, proportion, and relative arrangement of parts might be resorted to without departing from the spirit and scope of this invention, we would have it understood that we do not restrict ourselves to the particular construction and arrangement of parts shown and described, but that such changes and equivalents may be substituted therefor, and that

What we claim as our invention is—

1. In a device of the kind set forth, a base provided with a rigid concave circular depending rim, an independent concentric retainer part having a concave rigid flaring edge smaller in diameter than the rim of the base, an endless cushion or ring circular in cross-section constructed and arranged to conform in contour with the inner face of the base-rim and the opposite face of the retainer edge, and means to rigidly engage and detach the parts at will.

2. In a device of the kind set forth, a base provided with a rigid circular depending rim, an independent concentric retainer part having along its periphery a rigid edge smaller in diameter than the rim of the base, a flexible or elastic cushion constructed so as to conform in contour with the inner face of the base-rim and the opposite face of the retainer edge and provided with a depending portion extending below the plane of the base, and means to force the base and retainer toward each other and the outer and inner faces of the cushion together and the upper and lower faces of the same apart in proportion to the degree in which the retainer is drawn toward the base.

In testimony of the foregoing specification we do hereby sign the same, in the city of New York, county and State of New York, this 11th day of April, A. D. 1903.

FRANCIS KEIL.
HENRY FRANCIS KEIL.

Witnesses:
F. A. WURZBACH,
H. BAMMANN.