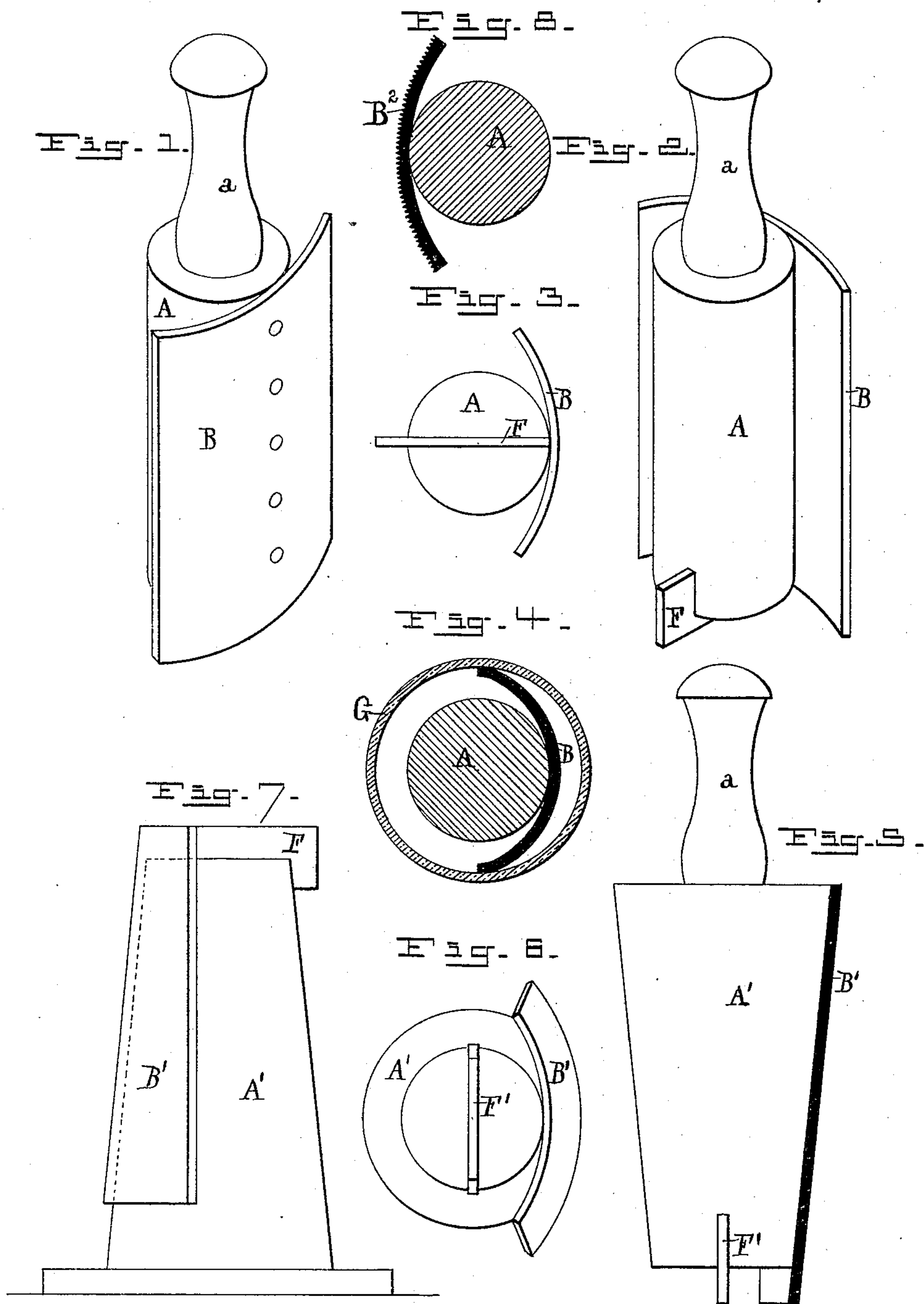


(No Model.)

H. H. SNOW.
DEVICE FOR CLEANSING TUMBLERS, &c.

No. 461,223.

Patented Oct. 13, 1891.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY H. SNOW, OF BROOKLYN, NEW YORK.

DEVICE FOR CLEANSING TUMBLERS, &c.

SPECIFICATION forming part of Letters Patent No. 461,223, dated October 13, 1891.

Application filed May 15, 1891. Serial No. 392,888. (No model.)

To all whom it may concern:

Be it known that I, HENRY H. SNOW, a citizen of the United States, and a resident of Brooklyn, Kings county, New York, have invented an Improved Devices for Cleansing Tumblers, &c., of which the following is a specification.

The object of my invention is to construct an efficient and reliable device for cleansing glass tumblers and similar articles.

In the accompanying drawings, Figure 1 is a perspective view of one form of my improved device. Fig. 2 is a perspective view of another form. Fig. 3 is an inverted plan view of the latter. Fig. 4 is a sectional view illustrating the operation of the device. Fig. 5 is a side view of a modification, but with the flexible strip in section. Fig. 6 is an inverted plan view, and Fig. 7 is a side view, of a modification. Fig. 8 is a sectional view of another modification.

My tumbler-cleaner is composed of a rigid body having secured to the outside thereof a strip of rubber or other suitable flexible material. I prefer to form the body of the cylindrical form illustrated at A in Figs. 1, 2, 3, and 4; but it may be of a conical form, such as illustrated at A' in Figs. 5 and 7, or its form may be greatly varied, provided, however, it is of such a size that when introduced into the tumbler it will fill the space to a considerable extent, as illustrated, for instance, in sectional plan view, Fig. 4, so that the flexible strip (illustrated at B in Figs. 1, 2, 3, and 4 and at B' in Figs. 5, 6, and 7) secured to the outside of the cylindrical or other body will be caused to be bent around the body A (or A') to the curved form illustrated in that figure, with its edges in contact with the interior walls of the tumbler. By this means, when the device is rotated in the tumbler or the tumbler is turned around the device, both edges of the strip of rubber or other flexible material will press with such force against the inner walls of the tumbler as to completely cleanse them by a short rotary reciprocating movement, and this without any possible danger of the flexible strip buckling over, as is the case with the ordinary devices now in use.

In Figs. 1, 2, and 5 I have illustrated the device as provided with a handle *a*, to be

grasped by the hand, while in Fig. 7 I have illustrated the device as constructed to be fixed onto a table, counter, or other support, so that the tumbler can be rotated on the device, which is then stationary.

For the more effectual cleansing of the bottom of the tumbler I prefer to provide a flexible cross-strip, secured in the end of the body A, either substantially at right angles to the main strip B, and projecting at the opposite side, as illustrated at F in Figs. 2, 3, and 7, or substantially parallel with the strip B', as illustrated at F' in Figs. 5 and 6, or it may be arranged at any other suitable angle.

I may mention that by preference the body A is made of wood, and the strip is secured to the outside thereof by any suitable means, such as non-corroding nails, tacks, or screws. The flexible strips are by preference formed of rubber or a composition composed largely or partially of rubber. They may, however, be formed of any other suitable flexible material adapted to the purpose. If desired, the outside of the back strip may be corrugated longitudinally, as shown at B² in the modification in Fig. 8.

The device described is especially adapted for freeing tumblers from oily or greasy matters which collect on the inner walls thereof. In the foregoing description I have, for the sake of brevity and convenience, referred to my cleansing device as used for tumblers; but it should be understood that the device may be employed in cleansing various other receptacles—such, for instance, as cups, dishes, pans, or lamp-chimneys—and in any such case the shape of the device may need to be changed somewhat without altering, however, any essential feature of my invention.

I am aware that tumbler-cleaners have heretofore been made with rubber strips clamped between the two parts of a holder. This I do not claim; but

I claim as my invention—

1. The herein-described device for cleansing tumblers or other receptacles, and consisting of a body adapted to be introduced into and to partially fill the interior of the receptacle, and having secured to the outside of the said body a strip of flexible material adapted to curve around the body with its

opposite edges in contact with the walls of the receptacle.

2. The herein-described device for cleansing tumblers or other receptacles, and consisting of a body adapted to be introduced into
5 and to partially fill the interior of the receptacle, and having secured to the outside of the body a strip of flexible material adapted to curve around the said body with its edges
10 in contact with the walls of the receptacle,

and a flexible cross-piece at the end of the body to cleanse the bottom of the receptacle.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY H. SNOW.

Witnesses:

EDITH J. GRISWOLD,
JOHN REVELL.