Feb. 9, 1937. H. CAVE 2,070,393

BRUSH

Filed June 9, 1934

Fig. 1.

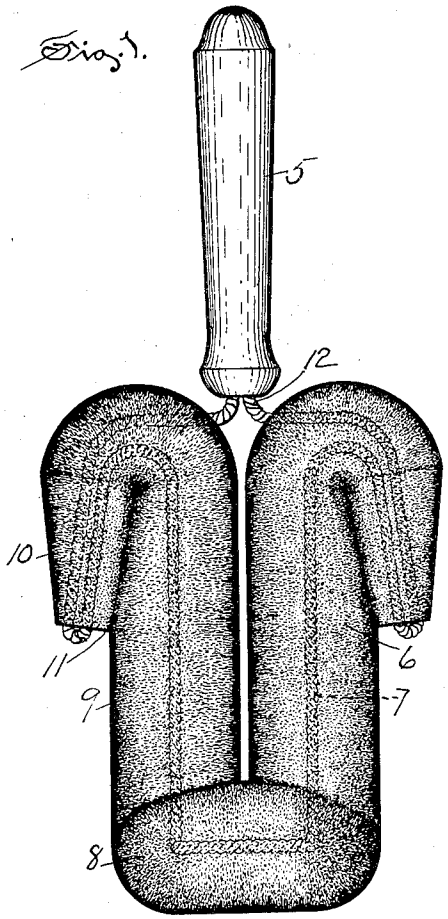


Fig. 2.

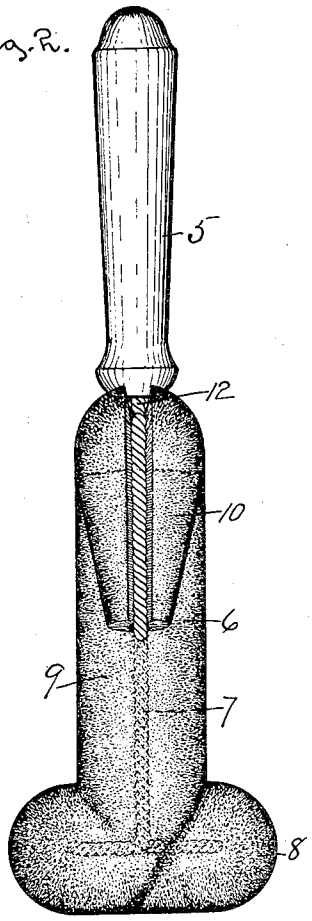


Fig. 3.

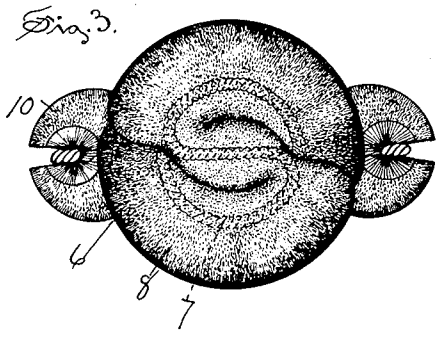
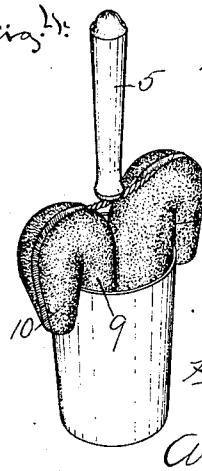


Fig. 4.



INVENTOR
Henry Cave,
by
Arthur B. Jenkins,
ATTORNEY

Patented Feb. 9, 1937

2,070,393

UNITED STATES PATENT OFFICE

2,070,393

BRUSH

Henry Cave, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut

Application June 9, 1934, Serial No. 729,863

8 Claims. (Cl. 15—206)

My invention relates more particularly to that type of brushes which are formed by securing the bristles in a twisted wire core, and an object of my invention, among others, is to provide a brush for cleaning glasses, tumblers, and the like in a thorough and efficient manner.

One form of a brush embodying my invention and in the construction and use of which the objects herein set out, as well as others, may be attained, is illustrated in the accompanying drawing in which

Figure 1 is a side view of my improved brush.

Figure 2 is a similar view looking from a point located at right angles to the point of view of Fig. 1.

Figure 3 is an end view.

Figure 4 is an isometric view illustrating the brush in use.

In the accompanying drawing the numeral 5 denotes the handle of my improved brush which may be formed of any suitable material as wood, celluloid, or the like and into which the wires forming the core are projected to secure the brush to the handle. The bristles 6 are secured to the core 7 as by twisting the bristles between two strands of wire which comprise the core in a manner that is well understood. The ends of a length of this twisted material are left bare so that they may be projected into and secured within the handle 5. The core with the bristles secured thereto is bent at about its lengthwise center into S-shape, as shown in Fig. 3, so that the bristles will form a circular head 8. From the terminals of this S-shaped figure the core is bent at an angle extending lengthwise of the brush thereby creating two body portions 9 round in cross section and lying parallel one with another and preferably quite close together, in some instances touching one another if desired. From the terminals of these body portions the wire is bent laterally in opposite directions and is doubled back upon itself on each side of the body, and as shown in Fig. 1, and this doubled portion is bent to extend substantially lengthwise of the body, as shown herein these parts being located at a slight angle to the body, creating brush stubs 10 providing crevices 11. The ends 12 of the core, as hereinbefore mentioned, are left bare and are secured within the handle 5 in any suitable manner.

In use the brush, the body portion of which is of a width substantially that of the diameter of a glass or tumbler to be cleaned and the head 8 of which is substantially the size of the interior of said glass or tumbler, is thrust in to said glass or tumbler so that the head will rest against the bottom of the glass.

The lips of the glass will be located in the crevices 11. By now rotating the brush within the glass the circular head 8 will completely enter the angle between the bottom of the glass and the body portion thereof so that the entire interior of the glass including this angular part may be thoroughly cleaned and at the same time the stubs 10 will act to clean the lips of the glass.

In accordance with the provisions of the patent statutes I have described the principles of operation of my invention, together with the device which I now consider to represent the best embodiment thereof; but I desire to have it understood that the device shown is only illustrative and that the invention may be carried out by other means and applied to uses other than those above set out.

I claim:

1. A brush comprising a twisted wire core with bristles secured thereto, said core being bent intermediate its ends to form a circularly shaped head and said core with the bristles thereon being bent from said head to form an extended bristled body for cleaning purposes composed of two members lying substantially parallel at substantially equal distances from on diametrically opposite sides of the extended axial center of said head, and a holder into which the ends of the core are extended.

2. A brush comprising a twisted wire core with bristles secured thereto and of substantially round shape in cross section, said core being bent intermediate its ends to form a circularly shaped head and said core with the bristles thereon being bent from said head to form an extended bristled body for cleaning purposes composed of two members lying substantially parallel at substantially equal distances from on diametrically opposite sides of the extended axial center of said head, and a holder into which the ends of said core are extended.

3. A brush comprising a twisted wire core with bristles secured thereto, said core being bent intermediate its ends into S-shape with the ends of the S-form extended to form a substantially circularly shaped head, and said core being bent from said head to form a body composed of two members lying substantially parallel and said head being bent into S-shape to relatively centrally locate said head and body, and a holder into which the ends of the core are extended.

4. A brush comprising a twisted wire core with

bristles secured thereto, said structure being of substantially round shape in cross section and being bent between its ends into S-shape with the ends of the S-form extended to form a substantially circularly shaped head, said core being extended from said head in a direction substantially at right angles to the plane of said head to form a body composed of two members lying substantially parallel one with the other and said head being bent into S-shape to relatively centrally locate said head and body, and a holder into which the ends of the core are extended.

5. A brush comprising a twisted wire core with bristles secured thereto, said core being bent intermediate its ends to form a circularly shaped head, and said core being bent from said head to form a body composed of two members lying substantially parallel at substantially equal distances from on diametrically opposite sides of the extended axis of said head, the ends of said core being bent backwardly to form stubs, and a holder into which the ends of the core are extended.

6. A brush comprising a twisted wire core with bristles secured thereto, said core being bent intermediate its ends into S-shape to form a circularly shaped head, and said core with the bristles thereon being bent from said head to form a bristled body composed of two members lying substantially parallel at substantially equal distances from on diametrically opposite sides of the extended axis of said head, and a holder into which the ends of the core are extended.

7. A brush comprising a twisted wire core with bristles secured thereto, said structure being of substantially round shape in cross section and being bent between its ends into S-shape to form a circularly shaped head, said core with the bristles thereon being extended from said head in a direction substantially at right angles to the plane of said head to form a bristled body composed of two members lying substantially parallel one with the other at substantially equal distances from on diametrically opposite sides of the extended axis of said head, and a holder into which the ends of the core are extended.

8. A brush comprising a twisted wire core with bristles secured thereto, said core being bent intermediate its ends to form a circularly shaped head, and said core with the bristles thereon being bent from said head to form a bristled body composed of two members lying substantially parallel at substantially equal distances from on diametrically opposite sides of the extended axis of said head, the ends of said core being bent backwardly to form stubs, and a holder into which the ends of the core are extended.

HENRY CAVE.