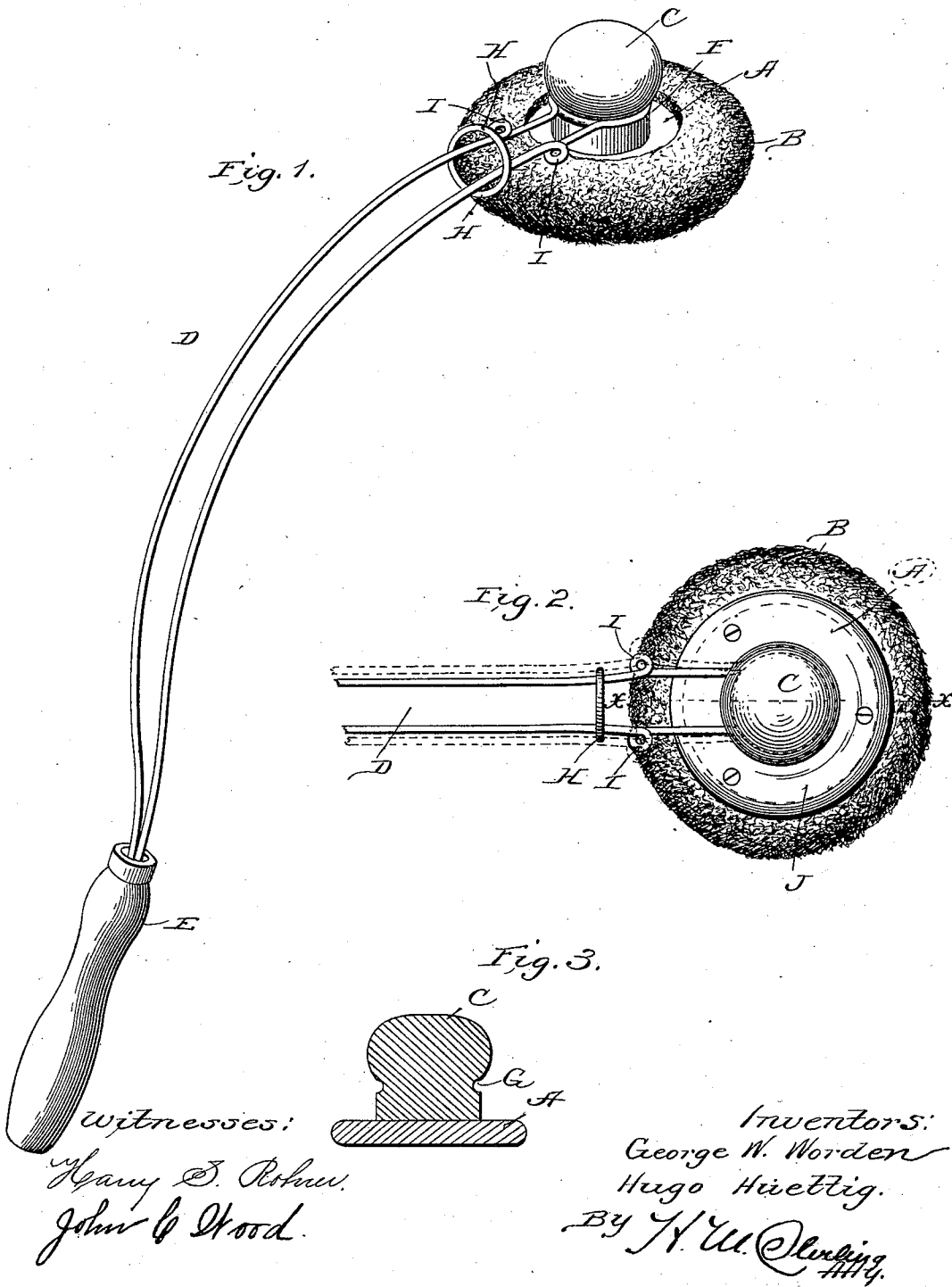


(No Model.)

G. W. WORDEN & H. HUETTIG.
BATH BRUSH.

No. 522,174.

Patented June 26, 1894.



Witnesses:
 Harry S. Robins.
 John G. Wood.

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UNITED STATES PATENT OFFICE.

GEORGE W. WORDEN AND HUGO HUETTIG, OF PHILADELPHIA, PENNSYLVANIA.

BATH-BRUSH.

SPECIFICATION forming part of Letters Patent No. 522,174, dated June 26, 1894.

Application filed May 15, 1893. Serial No. 474,269. (No model.)

To all whom it may concern:

Be it known that we, GEORGE W. WORDEN, a citizen of the United States, and HUGO HUETTIG, a subject of the Emperor of Germany, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented certain new and useful Improvements in Bath Brushes or Scrubbers, of which the following is a description.

10 The herein described invention relates particularly to that class of bath brushes or scrubbers designed to reach such parts of the body as are not readily accessible to the hand or the short handled scrubbing brushes.

15 The object of the invention is to provide a brush or other scrubbing means with a handle of such length and curve as to readily admit of the application of the brush or scrubber to any part of the body through an easy manipulation of the same, and to so construct the handle as to allow its removal from the brush head whenever such is desirable.

20 The invention consists in certain novel features in the arrangement and construction of parts, all as hereinafter set forth.

25 In the accompanying drawings, in which the invention is fully illustrated, Figure 1, is a perspective view of the complete device as seen from the rear. Fig. 2, is a top or plan view of the scrubbing head showing the manner in which the handle is attached. Fig. 3, is a sectional view of a brush head taken on the line $x-x$ of Fig. 2.

30 Referring to the drawings by letter, A indicates a head of any suitable form to which is attached a covering B for furnishing a rubbing surface. The covering shown in the present instance is the well-known fibrous product grown in Japan, and used extensively in the bath on account of its rough, sponge-like surface, but it is obvious that other and various materials can be used, or that the head may be formed of a brush of ordinary construction. To the back of the head A is formed, or suitably affixed thereto, a knob C, to which is attached the elastic extension D of the handle E. The curved yielding handle extension D is preferably formed of heavy phosphor bronze wire and in the form shown, a single length of wire being used. The wire is bent double and at the end where attach-

ment is made to the knob C, is formed a circular or ring portion F slightly smaller in circumference than the neck of the knob so that when sprung open to receive the knob it will contract tightly about the same and securely hold the scrubber thereon. When it is desired to disconnect the scrubber the same can be accomplished by forcing the knob C down toward the handle E, the two wires comprising the extension D being readily separated or normally opened sufficiently at about their central point to permit the removal of the knob.

35 To insure a firm attachment of the yielding extension D to the knob C, a groove G is provided of sufficient size to admit snugly the ring portion F and prevent any wobbling movement or displacement. Further to provide against the tendency of the extension D to open or to become too widely separated from constant use, a ring or keeper H is formed on the said extension and adapted to be slid back and forth thereon between the handle E and the twists or bends I, I, and by occupying the position shown in the drawings bind together the two parts of the elastic extension, thereby making the same firmer and making displacement of the scrubber head impossible. The wires of the extension coming together at the point where they enter the handle it will be seen that when the ring or keeper H is pushed down to this point the wires will open slightly, as shown in dotted lines in Fig. 2. The twists while forming stops for limiting the upward movement of the keeper H, also, by virtue of the manner in which they are formed, furnish additional springs for the extension, the tendency of which springs is inward, thus operating to cause the two sections of the yielding extension to come together and thereby giving additional strength and firmness.

40 In Fig. 2, the scrubber head is provided with an annular plate J, which is firmly attached to the head by means of screws, the material forming the scrubbing surface B, being fastened around the head and held clamped between it and the plate J.

45 Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a bath-brush the combination with a brush-head having a knob provided with a circumferential groove, of a curved resilient arm provided at one end with a handle and
5 at the opposite end with a continuous loop normally of less diameter than the groove in the knob and adapted to be held therein by frictional contact, the metal of said arm adjacent the loop being bent upon itself to form
10 reinforcing eyes to increase the spring action of the loop, and a keeper slidingly mounted

on the arm and designed to retain the loop in operative position with relation to the said groove.

In testimony whereof we hereunto affix our 15 signatures in the presence of two witnesses.

GEORGE W. WORDEN.
HUGO HUETTIG.

Witnesses:

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