Sept. 29, 1959 A. M. VOLPE 2,905,957

BACK BRUSH

Filed Nov. 13, 1956

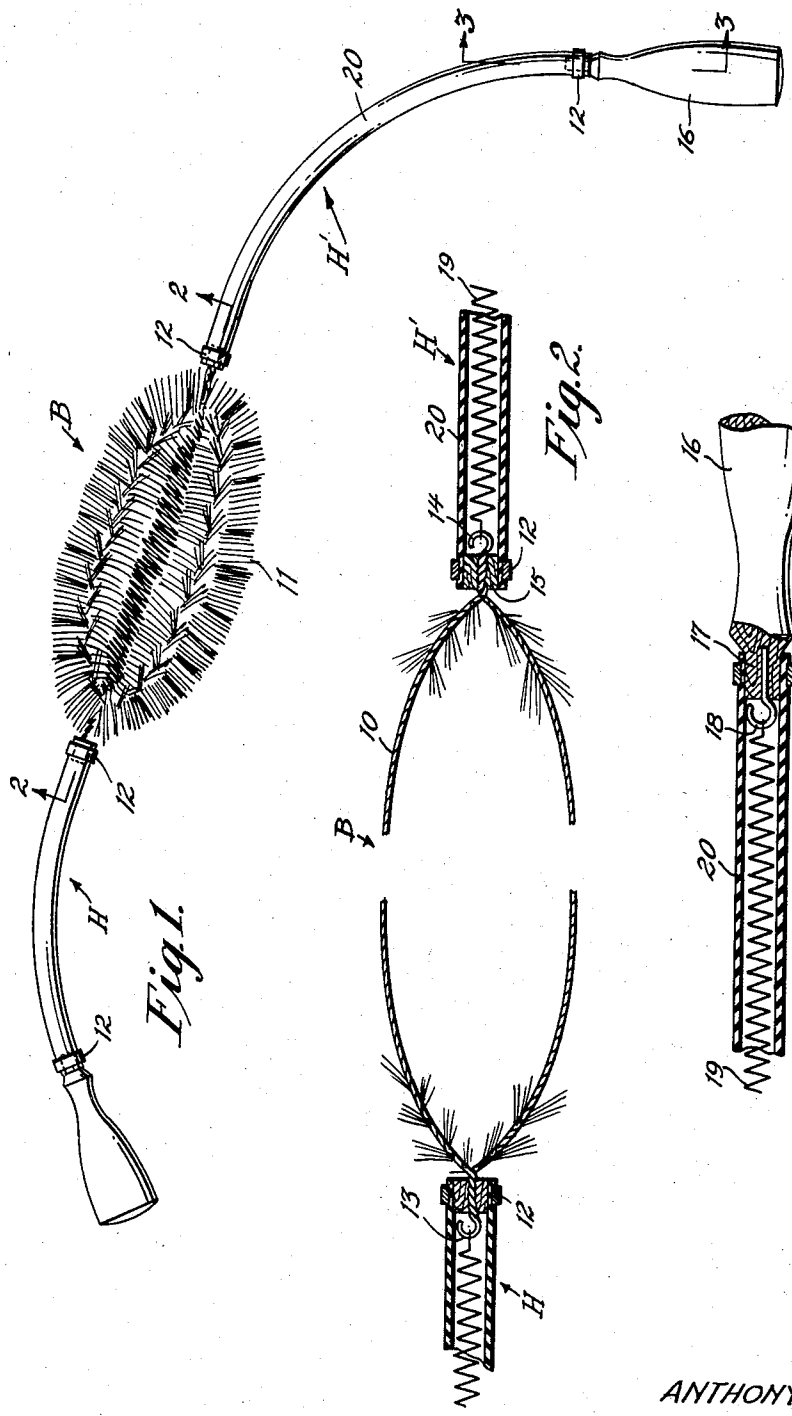


Fig. 1.

Fig. 2.

Fig. 3.

INVENTOR.
ANTHONY M. VOLPE
BY
Robertson and Goutis
ATTORNEYS.

United States Patent Office 2,905,957 Patented Sept. 29, 1959

2,905,957

BACK BRUSH

Anthony M. Volpe, Philadelphia, Pa.

Application November 13, 1956, Serial No. 621,762

2 Claims. (Cl. 15—160)

The present invention relates to back brushes that are commonly employed by bathers for the purpose of scrubbing their backs and is concerned primarily with such a brush of novel construction and facilitates the scrubbing operation.

At the present time a person taking a bath experiences considerable difficulty in scrubbing his or her back and this inconvenience is attributable directly to the character of back brushes which are now available. The now known back brushes generally include but a single handle which has been found to be inadequate to perform the desired operation over the required areas and at the same time apply the brush with sufficient pressure to achieve the desired scrubbing effects.

This particular problem has received the attention of those attempting to improve the situation and certain types of back brushes including two handles or operating members have been proposed. However, the structure of these known devices is of such a nature as not to meet the requirements of the back scrubbing operation.

With the foregoing conditions in mind, the present invention has in view, as its foremost objective, the provision of a back brush which includes a wire frame which carries the bristles and to the opposite ends of which are secured two handle elements. Each of the handle elements carries at its free end a grip that is adapted to be grasped by the hand of a user. An important feature of the invention resides in the fact that these handle elements are of different lengths which enables the user to properly apply scrubbing pressure.

Another object of the invention is to provide, in a back brush of the character aforesaid, handle elements which are resilient and flexible to a required degree and yet sufficiently rigid to transmit the pressure and forces from the hand grips to the brush frame. Each of these handle elements consists essentially in a coil spring which has its opposite ends anchored to one end of the brush frame and a hand grip respectively with the spring being encased in a rubber tube or one of a similar material.

Various other more detailed objects and advantages of the invention such as arise in connection with carrying out the above noted ideas in a practicable embodiment will in part become apparent and in part be hereinafter stated as the description of the invention proceeds.

The invention therefore comprises a two handed back brush consisting essentially of a brush frame carrying bristles and to the opposite ends of which are secured two handles of different lengths with each handle having a hand grip at its free end. Each of the handles comprises a coil spring encased in a rubber tube.

For a full and more complete understanding of the invention reference may be had to the following description and accompanying drawing wherein:

Figure 1 is a top plan view of a back brush designed in accordance with the precepts of this invention.

Figure 2 is a planned view taken on an enlarged scale with the bristles omitted and depicting the manner in which the handles are secured to the brush frame, with the handles being shown in section; and

Figure 3 is a detail taken on an enlarged scale of one end of one of the handles with the latter being shown in section.

Referring now to the drawing wherein like reference characters denote corresponding parts and first more particularly to Figure 1, the back brush of this invention is shown as comprising a brush element which is referred to in its entirety by the reference character B. The brush element B may take any of several forms, although the invention has particularly in mind the use of a wire frame **10** which carries bristles **11** in accordance with well known practices in the field of brushes. The wire frame **10** is formed with hooks **13** and **14** on its opposite ends. A short handle element designated H is secured to the hook **13** while a longer handle element H′ is attached to the hook **14**. Except for their differences in lengths the handles H and H′ are substantial duplicates and it is therefore believed that a detailed description of one such handle element is sufficient for the purpose of this specification.

A small round block of wood or comparable material is shown at **15** as being carried by the wire frame **10** and held assembled thereon by the hook **14**. A hand grip **16** of wood or any other appropriate material is formed with a reduced extension at **17** and this extension **17** corresponds to the block **15** as will be later explained. A hook **18** is secured to the extension **17** in a well known manner.

A coil spring **19** has one end secured to the hook **14** and its opposite end to the hook **18**. This coil spring **19** is preferably closely wound. That is, the adjacent coils abut one another. A tubular casing **20** of rubber or comparable material encases the spring **19** and has one end fitted over the block **17**. Obviously, the ends of the rubber tube may be distorted to effect these connections. Clamping rings **12** are placed about the end portions of the tube **20** where they fit over the hook **15** and extension **17**.

The coil spring **19** together with the tubular casings **20** provide handle elements which are resilient and flexible and yet are sufficiently strong and rigid to properly transmit forces from the hand grip **16** to the brush B. Thus, when the brush is being used the bather may use both hands to grip both of the hand grips **16** and apply sufficient force to cause the brush B to move over desired areas of the back under a proper degree of pressure.

While a preferred specific embodiment is hereinbefore set forth, it is to be clearly understood that the invention is not to be limited to the exact materials, constructions and designs illustrated and described because various modifications of these details may be provided in putting the invention into practice within the purview of the appended claims.

What is claimed is:

1. In a back brush, a bristle-carrying wire frame of generally oval shape with hooks on the opposite ends thereof, a handle element at each end of said frame and including a coil spring having one end anchored to the hook at that end of the frame, and a hand grip at the free end of each of said handle elements, with the other end of each spring being anchored to one of said hand grips.

2. In a back brush, a bristle-carrying wire frame of generally oval shape with hooks on the opposite ends thereof, a pair of handle elements of different lengths anchored to said frame at said opposite ends, said handle elements each comprising a hand grip at the free end thereof, a coil spring having one end anchored to one of said hooks on the frame and its other end to said hand grip, and a resilient, flexible tubular casing about said spring and having its opposite ends secured to said grip and frame respectively.

References Cited in the file of this patent

UNITED STATES PATENTS

750,357	Gibbons	Jan. 26, 1904
1,197,667	Ricks et al.	Sept. 16, 1916
1,587,753	Bretsnyder	June 8, 1926
1,741,962	Theodoropulos	Dec. 31, 1929
2,318,680	Ellinger	May 11, 1943