Sept. 15, 1936. B. I. C. YOUNG 2,054,233

BRUSH

Filed May 17, 1935

Fig. 1

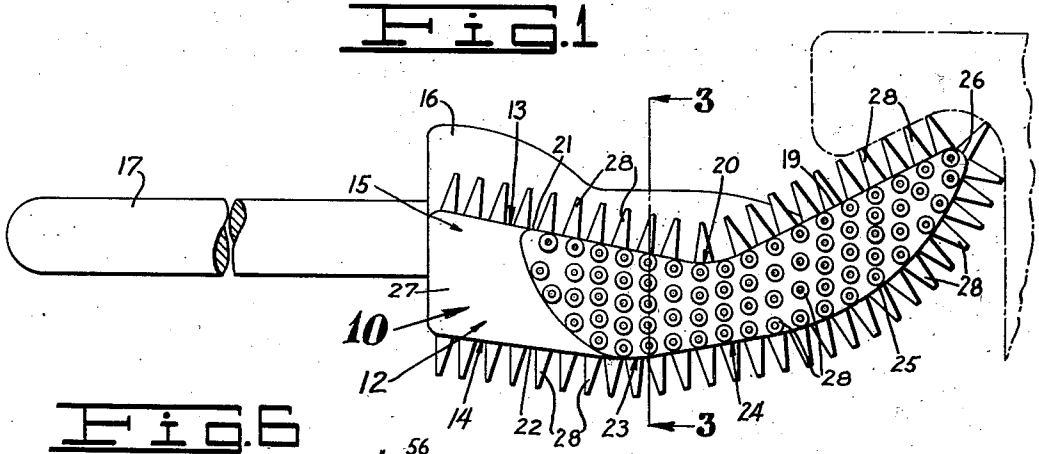


Fig. 6

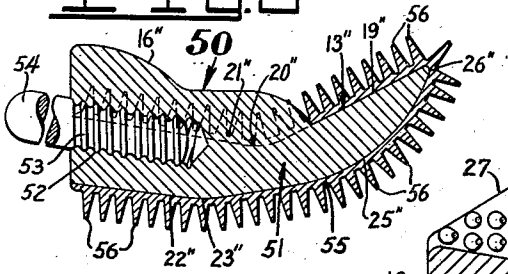


Fig. 2

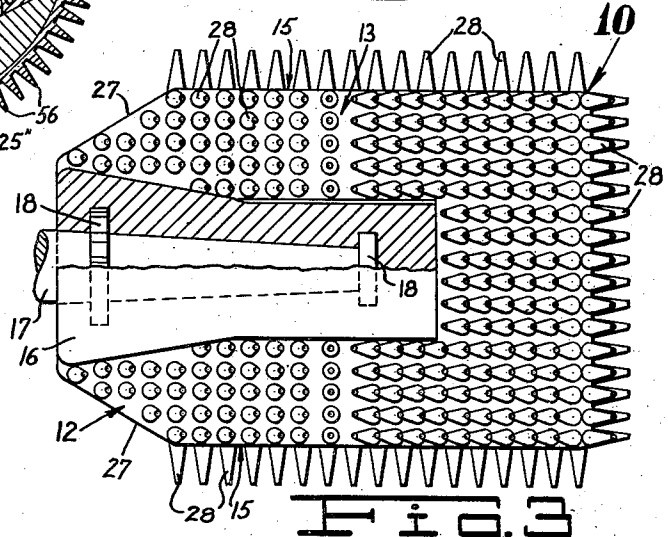


Fig. 5

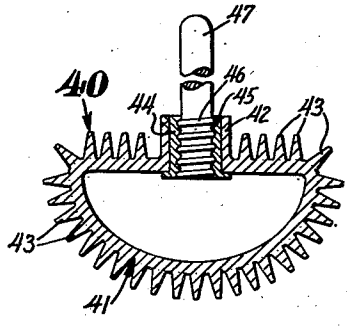


Fig. 3

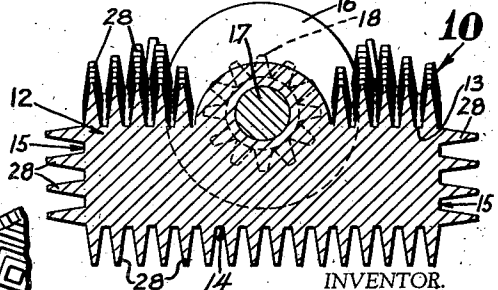
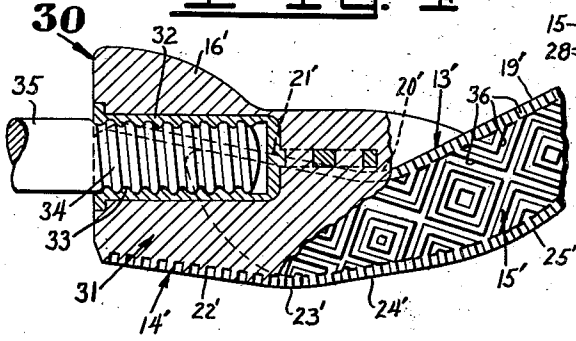


Fig. 4



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BRUSH

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Application May 17, 1935, Serial No. 22,005

2 Claims. (Cl. 15—188)

This invention relates to brushes.

The general object of the invention is to provide an improved brush which is made in novel shape whereby inaccessible portions of an article may be cleaned.

Another object of the invention is to provide a brush which is made of rubber and which is of novel shape.

An additional object of the invention is to provide a brush including a handle and a body wherein the body includes a main portion and a portion at an angle to the main portion with both of the portions provided with protuberances.

Other objects of the invention will be apparent from the following description taken in connection with the following drawing, wherein:

Fig. 1 is a side view of my improved brush device;

Fig. 2 is a top plan view of the brush shown in Fig. 1 with portions thereof broken away;

Fig. 3 is a section taken on line 3—3 of Fig. 1;

Fig. 4 is a fragmentary view similar to Fig. 1 showing a modification of my invention and with portions thereof in section;

Fig. 5 is a sectional view through another modification of my invention, and

Figure 6 is a sectional view through still another modification of my invention.

Referring to the drawing by reference characters I have indicated my improved brush device generally at 10. As shown the brush 10 comprises a body portion 12 which includes an upper surface 13, a lower surface 14, and sides 15. Extending upward from the upper surface 13 the body includes a hosel portion 16 which is of less width than the body and extends from the rear end of the body forward to a position spaced rearward of the forward end of the body. The body 12 is preferably made of good grade of medium hard resilient rubber.

Molded in the hosel portion 16 of the body I have shown a handle member 17 which may be made of wood or other suitable material and which is suitably anchored to the body by gripping members as indicated at 18.

The upper surface 13 of the body 12 is inclined upward towards the front as indicated at 19 from a lower portion 20 and is inclined upward towards the rear as indicated at 21 from the lower portion 20.

The lower surface 14 of the body 12 is inclined upward towards the rear as indicated at 22 from a lower portion 23 and is inclined upward from the lower portion 23 towards the front as indicated at 24 and then curves upwards as indicated at 25 and rounds over to converge with the upper surface as indicated at 26. The sides 12 are preferably parallel from the front to adjacent the rear where they are inclined towards the hosel as indicated at 27.

Extending upwardly from the upper surface 13, downwardly from the lower surface 14 and outwardly from the parallel portions of the sides 15 the body includes a plurality of spaced, integral, frustro-conically shaped, protuberances 28.

This particular shape of the body 12 is a very handy contour for cleaning variously shaped surfaces and the construction of the forward end of the body makes it convenient for cleaning the surfaces of under cut overhanging portions as indicated by the broken lines in Fig. 1.

In Fig. 4, I have indicated a modified form of my invention generally at 30. As shown the device 30 includes a body portion 31 which is similar to the body 12 of the device 10 and like portions thereof are indicated by similarly primed reference numerals.

In the hosel portion 16' of the device 30, I provide a metal member 32 having a threaded recess 33 therein to receive a similarly threaded portion 34 of a handle member 35. Instead of the protuberances 28 the upper surface 13', the lower surface 14', and the sides 15' have a plurality of spaced grooves 36 therein which are arranged to extend predetermined distances in varying directions.

In Fig. 5, I have indicated a further modified form of my invention generally at 40. As shown the device 40 includes a substantially hemispherical body member 41 which includes a hosel portion 42 extending from the flat side thereof. The body portion 41 is made of a good grade of semi-hard resilient rubber and may either be formed hollow as shown or solid. All surfaces of the hemispherical body 41 have a plurality of spaced integral protuberances 43 extending therefrom. In the hosel portion 42, I provide a metal member 44 which has a threaded aperture 45 therein to receive a similarly threaded portion 46 of a handle member 47.

In Fig. 6, I have indicated a still further modification of my invention generally at 50. The device 50 is similar to the device 10 but is constructed in a different manner. As shown the brush 50 includes a body portion 51 which is shaped similar to the body portion 12 of the device 10 and like portions thereof are indicated by similarly double primed reference numerals.

The body of the device 50 is shown as made of wood and in the hosel portion 16'' thereof

includes a threaded recess **52** arranged at the rear of the device to receive a similarly threaded portion **53** of a handle member **54**. A covering member **55** which is made of a good grade of medium hard rubber and which may be open at one end is arranged over the body **51**. The covering member **55** is secured to the body **51** by cementing it thereto or in any other desired manner. The covering member **55** includes a plurality of spaced integral protuberances **56** which extend outward therefrom at approximately right angles thereto. The covering **55** may omit the side portions if desired so that only the top and bottom are covered.

From the foregoing description it will be apparent that I have provided a novel brush construction which is economical to manufacture and which is highly efficient in use.

Having thus described my invention I claim:

1. A brush comprising a body portion including an upper surface and a lower surface, said body being made of flexible rubber and including a hosel portion including an upwardly directed part projecting above said upper surface and extending from the rear end of the body forward to a position spaced from the forward end of the body, a handle member positioned in the hosel portion of said body, means to secure said handle to said body, said upper surface of said body being inclined upward towards the front of said body from a lower portion intermediate the length of said body and said upper surface being inclined upward towards the rear of said body from said lower portion, said lower surface of said body being inclined upward towards the rear of said body from a lower portion and said lower surface being inclined upward from said lower portion towards the front of said body and then being curved upward and then rounded back to merge with said upper surface, a cover member made of flexible rubber, said cover being positioned on said upper surface of said body and rounding over the front end of said body and being positioned on the lower surface of said body, said cover being secured to said body, said cover having a broken surface.

2. A brush comprising a body portion including an upper surface, a lower surface, and opposite side surfaces, said body including a central hosel portion including an upwardly projecting portion which extends above said upper surface and from the rear end of the body forward to a location spaced from the forward end of the body, a handle member positioned in said hosel portion of said body, means to secure said handle to said body, the upper surface of said body including a lower central portion, the front of said upper surface being substantially plane and inclined upwardly towards the front of said body from said lower portion, the rear of said upper surface being inclined upward towards the rear of said body from said lower portion, the lower surface of said body including a lower portion and a rear portion inclined upward towards the rear of said body from the lower portion, said lower surface also including a front portion inclined upward from said lower portion towards the front of said body and then being curved upward and then rounded back to merge with said upper surface, certain of said surfaces having a plurality of protuberances thereon.

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