

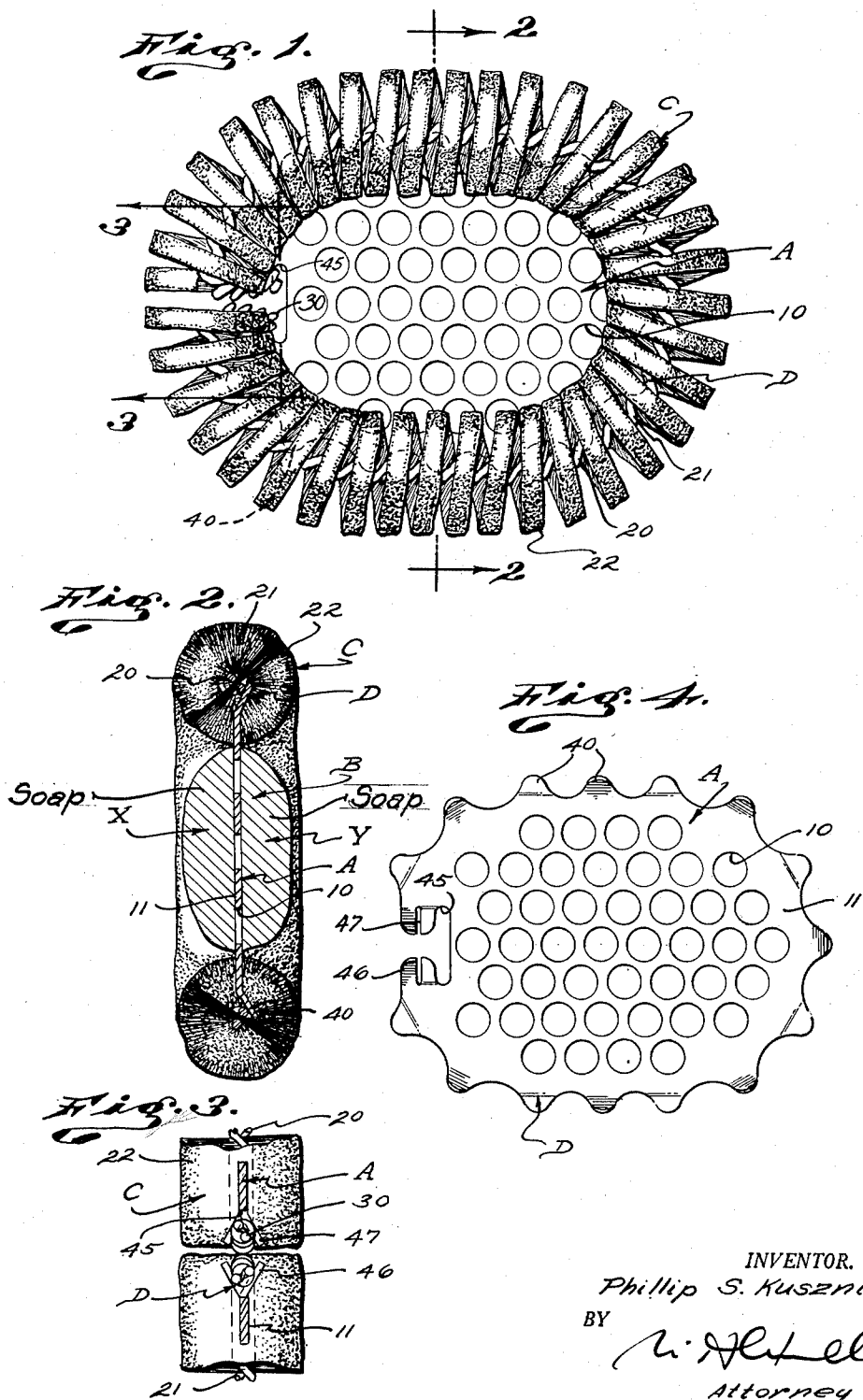
Feb. 23, 1954

P. S. KUSZNIR

2,669,738

BRUSH WITH SOAP SUPPLY

Filed Nov. 17, 1950



UNITED STATES PATENT OFFICE

2,669,738

BRUSH WITH SOAP SUPPLY

Phillip S. Kuszniir, Santa Monica, Calif.

Application November 17, 1950, Serial No. 196,119

13 Claims. (Cl. 15-122)

1

2

This invention relates to a cleaning implement and it is a general object of the invention to provide a simple practical inexpensive implement or unit serving to effectively carry soap and providing a brush advantageously related to the soap.

Many cleaning or washing operations are advantageously performed by employing both soap and a brush. These elements are usually separate and as a result washing or cleaning often involves numerous and often inconvenient manipulations handling these elements separately.

It is a general object of this invention to provide a unit involving a body carrying a brush and serving as a holder for a cake of soap, so that either the soap or brush, or both the soap and the brush, can be used as desired and without requiring separate handling.

With the construction provided by the invention the soap is so carried by the body that it can be used or employed much the same as ordinary cake soap is handled, and the brush is at all times immediately available and conveniently located to be operated either separately or without reference to the soap, or in combination with the soap.

Another object of the invention is to provide a device of the general character referred to in which the soap carried by the body of the device is guarded or shielded by the brush and yet is conveniently accessible for use when desired. With the construction of the present invention the soap is so guarded by the brush that the device can be placed on an ordinary rest or support in such manner that the brush holds the soap away from the support, allowing it to dry out of contact with the support.

It is another object of the invention to provide a device of the general character referred to in which the soap carried by the body is in sections at opposite sides of the body, the sections being anchored to the body as by parts of the soap extending through perforations in the body. With the construction that I have provided the two sections of the soap can be alike as to quality, or character, or, if desired, they may vary as to quality or character, for example, one section may be a strong or harsh soap while the other may be a delicate or mild soap. It is another object of the invention to provide a device of the general character referred to which involves or requires but few simple inexpensive parts making the device commercially practical and such as to

be suitable for general use either for scrubbing or heavy cleaning, or for personal use.

The device as provided by the present invention involves a foraminous or perforated body, preferably flat and disc-shaped in form. A cake of soap is carried by the body, preferably in sections, one at each side of the body and the sections of the soap are joined by parts of the sections which extend through the openings or perforations in the body. The sections of the cake of soap are so related to the body as to leave the peripheral portion of the body unoccupied. A brush is provided and preferably involves an elongate frame formed of twisted wires or wires twisted together, and bristles carried by and between the wires to project therefrom. A mounting means mounts the brush on the body so that the brush is loop-shaped and extends completely around the periphery of the body. The mounting means involves ears projecting from the periphery of the body, adjacent ears being deflected in opposite directions from the plane of the body to embrace or engage opposite sides of the frame, thus confining the frame to a position adjacent the periphery of the body. The body is provided with a peripheral recess and the wire frame has its ends turned in to enter this recess. Lugs project from opposite sides of the recess and each lug is split to have sections that grip or engage an end of the frame holding it in place in the recess.

The various objects and features of my invention will be fully understood from the following detailed description of a typical preferred form and application of the invention, throughout which description reference is made to the accompanying drawings, in which:

Fig. 1 is a view of the structure provided by the present invention showing only the body and brush, in order to illustrate details of construction. Fig. 2 is a sectional view of a complete embodiment of the invention taken in the direction indicated by line 2-2 on Fig. 1, and showing a cake of soap applied to the body with sections at each side thereof. Fig. 3 is a detailed sectional view taken as indicated by line 3-3 on Fig. 1, and Fig. 4 is a plan or face view of the body showing it separate from the other elements.

The implement provided by the present invention involves, generally, a body A that carries a cake of soap B, a brush C and means D mounting the brush on the periphery of the body.

In accordance with the present invention the body A of the implement, best shown in Fig. 4 of the drawings, is a simple, flat disc-shaped part

that can be advantageously formed of sheet material, say, for instance, metal or a composition in the nature of any one of numerous so-called plastics. In accordance with the present invention the body is foraminous or perforated and in a preferred form it has a plurality of perforations 10 which are in the nature of round openings uniformly distributed throughout the central portion of the body, leaving the body with a peripheral portion 11 which is free of perforations.

The brush C, as provided by the present invention, involves an elongate frame 20 which frame is made up of wires 21 wrapped or twisted together. Bristles 22 are engaged between and held by the twisted wires to project therefrom, the construction being such that the bristles, in effect, form a spiralled or helical body of bristles that extends continuously from one end of the brush to the other. The frame of the brush has ends or end portions 23 where the wires are twisted tightly together and where the bristles are eliminated or omitted. These ends or end portions of the frame are turned or deflected from the balance of the frame and are anchored to the body as will be hereinafter described. The cross sectional configuration of the brush may, in practice, vary as circumstances require. However, ordinarily it is preferred that the brush be round or circular in cross sectional configuration as shown in the drawings. Further, it is to be understood that the bristles employed in the brush may vary materially in quality, density, length, etc. as circumstances require.

The mounting means D provided by the invention mounts the brush on the periphery of the body so that the brush completely surrounds the body. In the preferred form of the invention the mounting means involves ears 40 projecting from the periphery of the body. The ears are turned or deflected relative to the plane of the body and adjacent ears 40 project in opposite directions. The frame of the brush is wrapped around the periphery of the body so that it is received between the ears 40 as shown in the drawings.

The mounting means further provides the body with a peripheral recess 45, and lugs 46 project from opposite sides of the recess 45 so that they oppose each other in the recess. The brush is so arranged on the body that the ends or end portions 23 of the frame project into the recess 45 where they are held by the lugs 46. In the particular form of the invention illustrated each lug is split, as at 47, dividing the lug into sections which are deflected in opposite directions and are engaged with an end of the brush frame so as to grip it. Through this construction the ends of the wires forming the brush frame are not only effectively held but they are so located as to eliminate danger of a user being injured thereby.

In employing the present invention the cake of soap may be so related to the body and brush that its sections are within the confines of the brush, as shown in Fig. 2, so that following use the implement can be laid on a flat surface with the brush engaging that surface and holding the soap out of contact therewith. As a result of this the soap is free to dry and stays in good usable condition. In using the device of the present invention it can, if desired, be used dry, in which case the entire assembly forms a unit that can be conveniently handled, and the brush presents an extensive surface or area that can be used for various purposes where a brush is re-

quired. If soap only is required, a moistened rag or a person's hand can be applied to the cake of soap at either side of the body and the desired amount of soap can be thus obtained. In this connection it is to be understood that the two sections X and Y of the cake of soap B may be alike or, if desired, may be different in character. In a typical case one section may be a coarse or strong soap while the other section may be a delicate or hand soap.

For general cleaning operations it may be desired to wet the entire implement and in the course of using it in a general way and in a wet or moistened condition soap is applied and the brushing occurs practically simultaneously and in the course of a single operation, to the end that the device is, in effect, self-soaping and thus minimizes work. It is also to be understood that as the cake of soap dissolves or is used up additional cakes of soap can be pressed or applied to the body, or small bodies or particles of soap can be added to or pressed onto the cake sections originally applied to the body. With this latter use of the device it serves as a convenient and practical means of conserving soap.

Having described only a typical preferred form and application of my invention, I do not wish to be limited or restricted to the specific details herein set forth, but wish to reserve to myself any variations or modifications that may appear to those skilled in the art and fall within the scope of the following claims.

Having described my invention, I claim:

1. A cleaning implement including, a body in the form of a substantially flat disc-shaped foraminous plate adapted to receive soap at opposite sides, an elongate brush in the form of a loop, and means attaching the brush to the periphery of the body with the brush surrounding the body at the periphery thereof.

2. A cleaning implement including, a body coupling a substantially flat disc-shaped foraminous plate, a cake of soap on the plate with anchoring parts entered in the openings of the plate, an elongate brush in the form of a loop, and means attaching the brush to the periphery of the plate with the brush extending completely around the plate.

3. A cleaning implement including, a single perforated plate forming a substantially flat disc-shaped foraminous body, an elongate brush in the form of a loop, and means mounting the brush on the periphery of the body with the brush surrounding the body including an elongate series of circumferentially spaced ears projecting from the periphery of the body with a part of the brush held between adjacent ears.

4. A cleaning implement including, a substantially flat disc-shaped foraminous body, a brush having a wire frame and bristles carried by and projecting in substantially all directions radially from the frame, and means mounting the brush on the periphery of the body to extend therealong and completely around the body including circumferentially spaced ears projecting from the periphery of the body and receiving the wire brush frame between them.

5. A cleaning implement including, a substantially flat disc-shaped foraminous sheet forming a body, a brush having an elongate wire frame and bristles carried by and projecting laterally from the frame, and means mounting the brush on the periphery of the body with the brush extending completely around the body including ex-

5

tensions of the sheet forming circumferentially spaced ears projecting from the periphery of the body and receiving the brush frame between them, adjacent ears being deflected in opposite directions from the plane of the body to engage opposite sides of the frame.

6. A cleaning implement including, a substantially flat disc-shaped foraminous plate, a cake of soap on the exterior of the plate with anchoring parts entered in the openings of the plate, an elongate brush in the form of a loop, and means mounting the brush engaged with the periphery of the plate and with the brush surrounding the plate, the cake of soap having exposed sections at opposite sides of the plate spaced inward from the periphery of the plate and joined by the said parts.

7. A cleaning implement including, a substantially flat perforated disc-shaped body, a brush including an elongate twisted wire frame and bristles between the wires and projecting in substantially all directions from the frame laterally thereof, and means mounting the brush on the periphery of the body with the frame parallel with and engaging the periphery of the body and including circumferentially spaced ears projecting from the body and engaging the frame.

8. A cleaning implement including, a substantially flat perforated disc-shaped body, a brush including an elongate twisted wire frame and bristles between the wires and projecting from the frame laterally thereof, and means mounting the brush on the periphery of the body including circumferentially spaced ears projecting from the body and engaging the frame, the frame extending to completely surround the body, adjacent ears being deflected in opposite directions from the plane of the body to embrace the frame.

9. A cleaning implement including, a single foraminous sheet of rigid material forming a substantially flat perforated disc-shaped body, a brush including an elongate twisted wire frame and bristles between the wires and projecting from the frame throughout its length, and means mounting the brush on the periphery of the body including ears projecting from the body and engaging the frame and lugs on the body holding the ends of the frame, the lugs and ears being continuations of said sheet of material.

10. A cleaning implement including, a single foraminous sheet of rigid material forming a substantially flat perforated disc-shaped body, a brush including an elongate twisted wire frame and bristles between the wires and projecting in substantially all directions radially from the frame, and means mounting the brush on the periphery of the body including ears projecting from the body and engaging the frame and lugs on the body holding the ends of the frame, the said ends of the frame being disposed to project inwardly toward the body.

11. A cleaning implement including, a flat

6

rigid foraminous sheet of material forming a disc-shaped perforated body, a brush including an elongate twisted wire frame and bristles carried by and projecting from the frame and projecting laterally therefrom, and means mounting the brush on the periphery of the body with the brush extending completely around the body including, circumferentially spaced ears projecting from the periphery of the body, the ears being continuations of said sheet and adjacent ears being oppositely inclined from the plane of the body to overlap opposite sides of the frame, the ends of the frame being anchored to the body.

12. A cleaning implement including, a flat disc-shaped perforated body, a cake of soap having sections at opposite sides of the body with parts extending through the perforations of the body and connecting the sections, a brush including an elongate twisted wire frame and bristles carried by and projecting from the frame, and means mounting the brush on the periphery of the body with the brush extending completely around the body including, circumferentially spaced ears projecting from the periphery of the body, adjacent ears being oppositely inclined from the plane of the body to overlap opposite sides of the frame, the ends of the frame being anchored to the body.

13. A cleaning implement including, a flat disc-shaped perforated body, the body having a recess in its periphery, a cake of soap having sections at opposite sides of the body with parts extending through the perforations of the body and connecting the sections, a brush including an elongate twisted wire frame and bristles carried by and projecting from the frame, and means mounting the brush on the periphery of the body with the brush extending completely around the body including, circumferentially spaced ears projecting from the periphery of the body, adjacent ears being oppositely inclined from the plane of the body to overlap opposite sides of the frame, and lugs projecting from the sides of the recess and anchoring the ends of the frame to the body with said ends of the frame in the recess.

PHILLIP S. KUSZNIR.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
488,393	Jewett	Dec. 20, 1892
816,002	Burt	Mar. 27, 1906
846,346	Rich	Mar. 5, 1907
1,423,992	Brown	July 25, 1922
1,433,964	Mills	Oct. 31, 1922
1,478,882	Bailly	Dec. 25, 1923
1,494,739	Fisler	May 20, 1924
1,503,014	Baird	July 29, 1924
1,813,569	Emerson	July 7, 1931
2,276,889	Stark	Mar. 17, 1942
2,308,514	Johnston	Jan. 19, 1943