

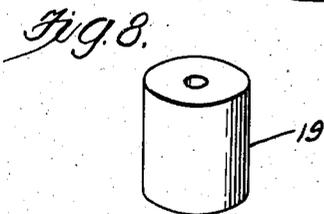
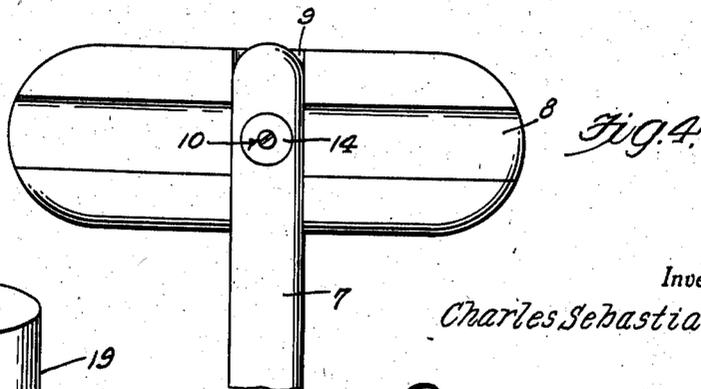
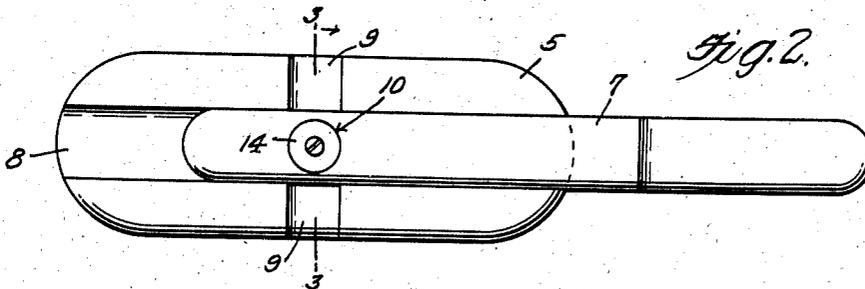
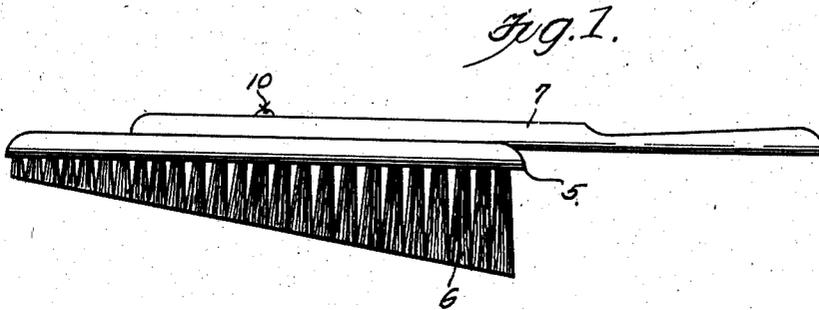
April 21, 1942.

C. SEBASTIAN
REVERSIBLE HANDLE

2,280,165

Filed May 14, 1941

2 Sheets-Sheet 1



Inventor
Charles Sebastian.

By *Clarence A. O'Brien*

Attorney

April 21, 1942.

C. SEBASTIAN
REVERSIBLE HANDLE
Filed May 14, 1941

2,280,165

2 Sheets-Sheet 2

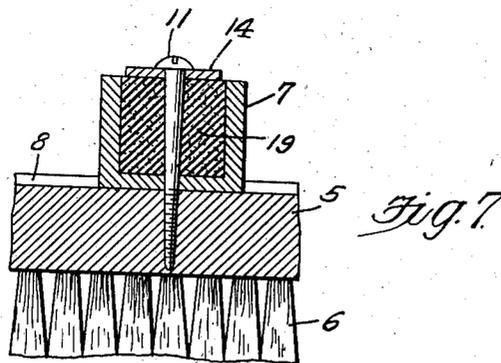
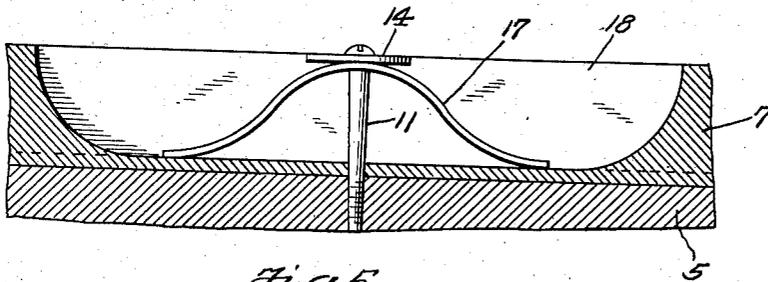
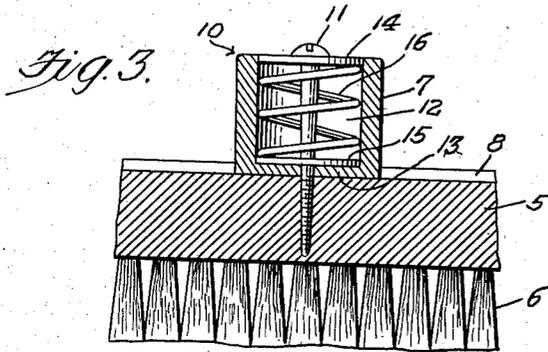
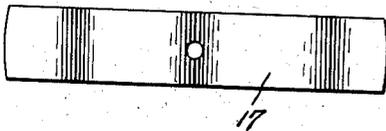


Fig. 6.



Inventor

Charles Sebastian.

By

Clarence A. O'Brien.

Attorney

UNITED STATES PATENT OFFICE

2,280,165

REVERSIBLE HANDLE

Charles Sebastian, St. Louis, Mo.

Application May 14, 1941, Serial No. 393,447

4 Claims. (Cl. 306-6)

This invention relates to reversible handles for brushes and other similar devices which after a period of use wear more at one portion thereof than another portion, the invention permitting the handle to be reversed so that the unworn portion of the device may be brought into position for use, thus materially increasing the life and usefulness of said device.

The primary object of this invention is the provision of a tensioned pivotal connection between the head of the device and the handle, whereby the latter at the will of the user may easily and quickly be adjusted to assume another position with respect to the head of the device thereby bringing the unworn portion of the device in position for use.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which

Figure 1 is a side elevation illustrating a brush equipped with a reversible handle constructed in accordance with my invention.

Figure 2 is a top plan view illustrating the same.

Figure 3 is a transverse sectional view taken on the line 3-3 of Figure 2.

Figure 4 is a fragmentary top plan view illustrating the handle moved into another position from that shown in Figure 1.

Figure 5 is a fragmentary vertical sectional view illustrating a modification of the present invention.

Figure 6 is a plan view illustrating a spring used in connection with the modified form of the invention.

Figure 7 is a fragmentary sectional view illustrating another modification of this invention.

Figure 8 is a perspective view illustrating a tensioning element used in the form of the invention shown in Figure 7.

To give a clear understanding or conception of this invention I have elected to show its application to a brush and its handle. However, it is to be understood that the invention is readily adaptable to other devices wherein it is desirable to change the position of the handle to the device.

Referring in detail to the drawings, the numeral 5 indicates a brush head and 6 the bristles.

As shown in Figure 1 the bristles have worn off toward one end of the brush head from use, rendering the brush practically unusable for good results. However, reversing the position of the handle, which is indicated by the character 7, to extend from the opposite end of the brush head 5 it is possible to use the unworn bristles and obtain good results from the brush.

In order that the handle 7 may be adjusted into different positions on the head 5, the latter is provided with a longitudinal groove 8 and transverse grooves 9 connecting therewith. A tensioned pivot 10 is employed for connecting the handle 7 to the brush head 5 which will permit a portion of the handle to lie either in the grooves 8 or 9. Thus it will be seen that the handle can be made to extend from either end of the brush head or at right angles to one or the other of the sides of the brush head, as shown in Figure 4. The tensioned pivot 10 normally retains a portion of the handle within any one of the grooves so that relative pivotal movement between the brush head and the handle will be prevented. However, the user may by placing a pull upon the handle while the head is held firmly, move the handle out of the groove and into another groove for changing the position of the handle with respect to the brush head.

The tensioned pivot 10 consists primarily of a pivot pin 11 in the form of a screw or some other fastener which is adapted to be secured in the head 5 and to enter a chamber 12 formed in the handle 7. The lower end of the chamber 12 is closed, as shown at 13, and provided with an opening through which the pin 11 extends.

Positioned on the pin 11 are washers 14 and 15 and interposed between the washers and surrounding the pivot pin is a coil spring 16 which acts to urge the washer 14 against the head of the pivot pin while the washer 15 is urged against the closed end 13 of the chamber 12, consequently providing a very desirable tensioned pivot between the handle 7 and the brush head wherein the washers and spring and portions of the pivot pin are confined within the chamber 12 of the handle.

Referring to my modified form of the invention as shown in Figures 5 and 6, a bowed leaf type spring 17 may be employed in lieu of the coil spring 16 and when the spring 17 is utilized the handle 7 will be provided with an elongated chamber 18, the ends of the spring bearing against the bottom wall of the recess, as clearly shown in Figure 5. The spring 17 intermediate its ends is provided with an opening through

which the pivot pin 11 extends. The spring also bears against the washer 14. The washer 15 in this instance is omitted.

Referring to my modified form of the invention, as shown in Figures 7 and 8, a cushioned block 19 may be employed in lieu of the coil spring and is seated within the chamber 12 and has the pivot pin 11 extending therethrough. The upper end of the cushioned block bears against the washer 14 while the other end bears against the closed end 13 of the chamber 12.

Thus it will be seen from the foregoing description and accompanying drawings that a very efficient means has been provided for connecting a handle to a brush or similar device and which will permit the handle to be readily adjusted with relation to said device either to extend from an opposite end thereof or from an opposite side thereof. Through this arrangement it is possible to arrange the brush or similar device so that an unworn portion of the bristles may be brought into position for further and efficient use.

While I have shown and described the preferred embodiment of my invention, it is to be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of the invention as claimed.

Having thus described my invention, what I claim is:

1. In a device of the character described, a head having grooves with one groove extending at right angles to the other, a handle position-

able longitudinally in any of said grooves, said handle having a chamber in its upwardly disposed surface, a pivot secured to the head and extending into the chamber, and tensioning means in the chamber and secured to the pivot.

2. In a device of the character described, a head having grooves with one groove extending at right angles to the other, a handle positionable longitudinally in any of said grooves, said handle having a chamber in its upwardly disposed surface, a pivot secured to the head and extending into the chamber, and spring means bearing against the handle and the pivot.

3. In a device of the character described, a head having grooves with one groove extending at right angles to the other, a handle positionable longitudinally in any of said grooves, said handle having a chamber in its upwardly disposed surface, a pivot secured to the head and extending into the chamber, a washer on the pivot, a spring bearing against walls of the chamber and the washer.

4. In a device of the character described, a head having grooves with one groove extending at right angles to the other, a handle positionable longitudinally in any of said grooves, said handle having a chamber in its upwardly disposed surface, a pivot secured to the head and extending into the chamber, a washer on the pivot, and a cushion member mounted on the pivot and bearing against the walls of the chamber and the washer.

CHARLES SEBASTIAN.