Sept. 22, 1925. 1,554,242

C. H. TANNER

SQUEEGEE

Filed April 9, 1925

Fig. 1.

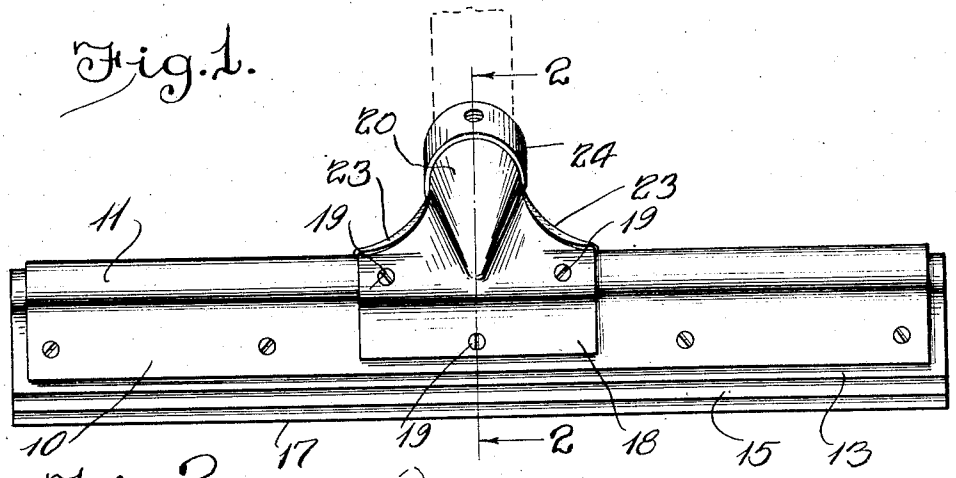


Fig. 2.

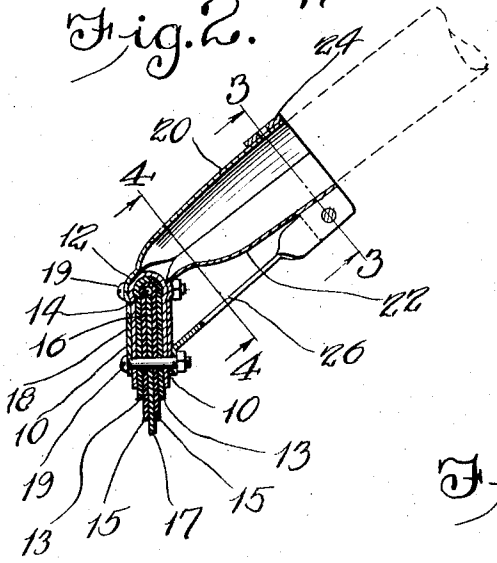


Fig. 3.

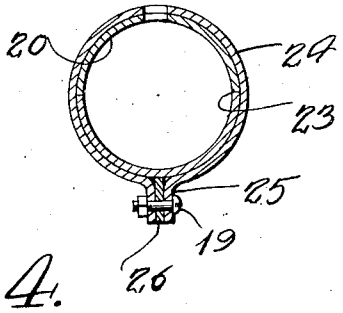
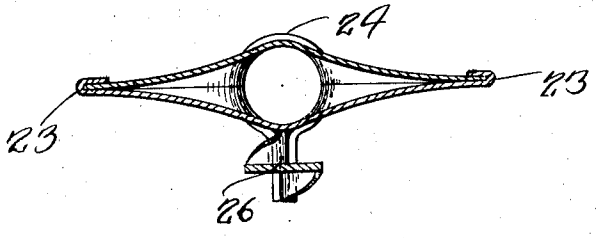


Fig. 4.



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UNITED STATES PATENT OFFICE.

CHARLES H. TANNER, OF ST. CLOUD, MINNESOTA.

SQUEEGEE.

Application filed April 9, 1925. Serial No. 21,917.

To all whom it may concern:

Be it known that I, CHARLES H. TANNER, a citizen of the United States, residing at St. Cloud, in the county of Stearns and State of Minnesota, have invented certain new and useful Improvements in a Squeegee, of which the following is a specification.

This invention relates to cleaning devices and has special reference to what is commonly called a "squeegee", the same meaning a device for pushing, by close contact, the moisture or dirt from a surface to be cleaned.

One object of the invention is to improve the general construction of devices of this description.

A second important object of the invention is to provide an improved cleaning element for such devices.

A third important object of the invention is to provide an improved means for providing for the attachment of the device to a handle.

With the above and other objects in view as will be hereinafter apparent, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings and specifically claimed.

In the accompanying drawings like characters of reference indicate like parts in the several views, and:

Figure 1 is a front elevation of the device, the handle for operating the same being omitted.

Figure 2 is a section on the line 2—2 of Figure 1.

Figure 3 is a section on the line 3—3 of Figure 2.

Figure 4 is a section on the line 4—4 of Figure 2.

In the embodiment of the device as here shown there is provided a plate of material, steel plate being preferably employed, which constitutes the head of the device. This plate is originally of substantially rectangular form, being longer in one dimension than the other and is doubled on its longer dimension to provide a substantially U-shaped head having legs 10. However, the forming is so effected that the portion in the middle of the strip, or as it may be termed the bight, is of tubular form 11 and has legs 10 which extend parallel to each other.

The rubbing elements, as shown in the form of the device, each consists of a strip of rubber or the like and I have found that the most economical material for this purpose is a strip of worn out inner tire tube. To make the rubbing elements in this way it is preferred to take a strip of inner tube for each element. These strips are cut to suitable width and certain of them are doubled, the first one being of such width and so doubled on its longer dimension as to fit within the legs or flanges 10 and tubular portion 11 while, at the same time, having its rubbing edges extend beyond the flanges 10. Such a strip is shown with its doubled portion indicated at 12 and its legs or rubbing portions at 13. A second strip is fitted within the first strip and has a doubled portion 14 and legs or flanges 15, the latter projecting beyond the flanges 13 as best shown in Figure 2. Finally there is provided a center strip of the same material, which is not doubled but which has a main or body portion 16 held between the flanges 15 and a projecting edge 17. Thus these rubbing members have their rubbing edges successively projecting.

In order to hold this head in its proper position with relation to the handle by which the device is manipulated there is provided a plate comprising a jaw 18 at its lower end secured to the front part of the head by rivets or screws 19, the upper end of the plate being bent backwardly over the head and curved to constitute the upper half socket portion 20. Similarly there is provided a second plate which is of substantially the same form as the other plate and has its base portion 21 secured to the head by the rivets or screws 19 and its upper portion 22 deflected rearwardly and bent to form the other half of the handle socket. Thus the two portions 20 and 22 form a cylindrical socket for the reception of the lower or front end of a handle stick. These two plates are united by having the outer edges of one overlapping the outer edges of the other as indicated at 23.

Surrounding the rear end of the socket thus formed is a strap 24 having its ends 25 arranged in substantially parallel position and between these ends 25 is secured one end of a brace member 26 the remaining end of which is secured to the head in spaced relation to the socket. This brace member consists of a strip having its ends twisted

at right angles and bent for the purpose described, said brace being secured to the band and said rear socket plate.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

It is obvious that minor changes may be made in the form and construction of the invention without departing from the material spirit thereof. It is not, therefore, desired to confine the invention to the exact form herein shown and described, but it is desired to include all such as properly come within the scope of the claims.

Having thus described the invention, what is claimed as new, is:

1. A device of the kind described including a head consisting of a plate of rigid material of U-shaped formation in cross-section, a plurality of flexible rubbing elements doubled to fit within said head and nested one within the other, each element having its rubbing edges extending beyond the rubbing edges of the next outer element, and a central rubbing element held between the sides of the inner doubled element and having its rubbing edges projecting beyond the rubbing edges of the inner doubled element.

2. In a device of the kind described, a head consisting of a strip of material of U-form in cross-section, rubbing elements supported between the sides of said strip, socket plates secured to said strip on the front and rear sides thereof, one of said socket plates having its lateral edges flanged over the lateral edges of the other socket plate to lock the socket plates together, each of said socket plates having its free end curved to form complemental parts of a socket, a band surrounding the complementary socket portions, and a brace extending from the band to the rear socket plate adjacent the head and secured to the band and said rear socket plate.

In testimony whereof I affix my signature.

CHARLES H. TANNER.