Oct. 29, 1935. C. B. STEVENS 2,019,368

SCOURING DEVICE

Filed May 18, 1934

Fig. 1.

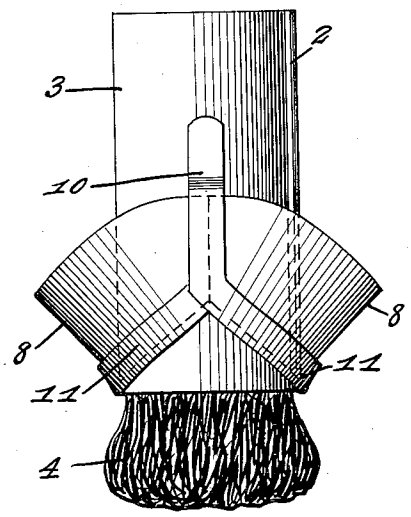


Fig. 2.

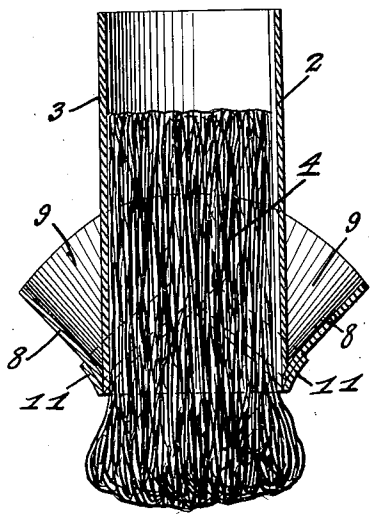


Fig. 3.

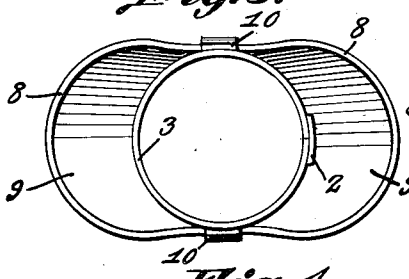


Fig. 6.

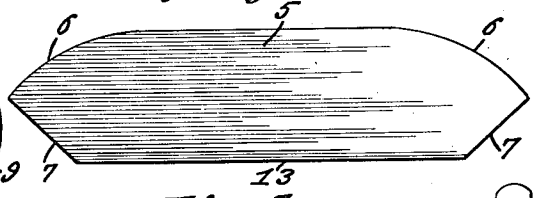


Fig. 5.



Fig. 7.

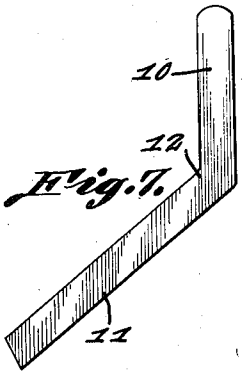
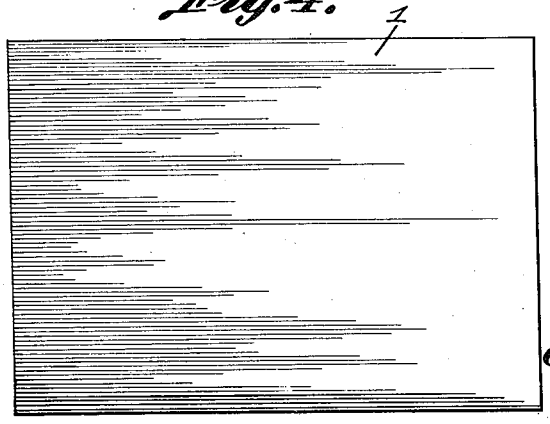


Fig. 4.



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UNITED STATES PATENT OFFICE

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SCOURING DEVICE

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Application May 18, 1934, Serial No. 726,385

3 Claims. (Cl. 15—209)

This invention relates to scouring devices, and its general object is to provide a scouring device of the steel wool type for use with kitchen utensils, metal and glassware, paint and the like, that is primarily designed to protect the hands of the user and particularly the thumb and fingers, and the device is readily adjustable so that the steel wool can be fed in position for use, as it becomes worn.

Another object of the invention is to provide a scouring device that can be easily cleaned and retained in a sanitary condition with very little effort.

A further object of the invention is to provide a novel method of making a scouring device of the character set forth, from strands of steel wool and sheet rubber.

A still further object of the invention is to provide a scouring device that is simple in construction, inexpensive to manufacture and extremely efficient in use and service.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a side elevation of the scouring device which forms the subject matter of the present invention.

Figure 2 is a vertical sectional view taken therethrough.

Figure 3 is a top plan view of the device with the strands of wool removed.

Figure 4 is a view of a blank used in making the wool holder.

Figure 5 is a view of the strip for securing the blank in cylindrical formation.

Figure 6 is a view of a blank from which the protector is made.

Figure 7 is a view of one of the strips used in securing the protector to the cylindrical holder.

Referring to the drawing in detail and particularly to Figures 4 to 7 inclusive it will be noted that my scouring device with the exception of the strands of steel wool is made from sheet material such as rubber, and in forming the holder I provide a rectangular blank 1 that is rolled into cylindrical formation with the ends thereof disposed in contacting engagement and held accordingly by a strip 2 that overlies the connecting edges of the ends as best shown in Figure 3, to provide a cylindrical holder 3 for a plurality of strands of steel wool 4. While the strands of steel wool can be inserted in the holder after it is formed in the manner just referred to, it will be apparent that the blank 1 can be wrapped around the wool and secured accordingly by the strip 2.

A very important feature of my scouring device is the protecting means for the thumb and fingers of the user, and this means is provided from a blank of material 5 which as shown in Figure 6 has reduced ends arranged in substantially triangular formation, with curved upper edge portions 6 and straight inclined lower edge portions 7. The blank 5 is disposed about the cylindrical holder in a manner to provide outwardly flared lateral portions 8 forming pockets 9 to receive the thumb and fingers of the user, and while the lower edge of the blank 5 may be secured about the cylindrical holder 3, I employ securing strips such as shown in Figure 7 and which include relatively short portions 10 and long portions 11. The inclined lower edge portions of the blank 5 are arranged in edge to edge relation, and one of the strips of Figure 7 which for distinction is indicated by the reference numeral 12 is fixed to the holder in a manner whereby the short portion 10 thereof overlaps the meeting lower edge portions 7, while the long portion of the strip 12 follows the bottom edge 13 of the blank 5 and extends beyond the bottom edge to be secured to the cylindrical holder as well as the bottom edge for cooperation with the short portion in fixedly associating the blank 5 to the holder, as will be apparent. Two of the strips 12 are employed and the other one is arranged so that the short portion thereof is disposed diametrically opposite the short portion of the other strip, and the long portion follows the opposite lower edge of the blank 5, as suggested in Figures 1 and 2 of the drawing.

The strips and blanks are preferably formed from sheet rubber of the self adhering type, so that where the portions of the blanks and strips engage they will adhere to each other, but of course any suitable adhesive means may be employed, as well as other material substituted for the rubber, as the holder and protecting means can be made from leather or like material without departing from the spirit of the invention.

In the use of my scouring device, it will be apparent that the thumb may be inserted in one pocket and a finger or fingers in the other pocket, with the result the thumb and fingers will be

amply protected, yet the device can be used in an efficient manner for scouring and cleaning any surfaces whether it be flat or includes cracks or crevices, as the steel wool conforms to the shape of the surface being cleaned.

The steel wool can be readily fed to a position for use as it becomes worn, and any method may be employed for that purpose, such as pulling the strands through the holder, or by grasping the holder at its top with one hand, then grasp the holder adjacent its lower end and bend the same back and forth. This action forces the wool downwardly within the holder very rapidly.

From the above description and disclosure of the drawing, it will be obvious that I have provided a scouring device that protects the thumb and fingers of the user, and due to the shape of the thumb and finger receiving pockets, their arrangement with respect to the holder, and the elastic material of the holder and pockets, the latter will set up a gripping action, therefore casual removal and displacement of the device from the hand of the user is practically impossible. The scouring material such as steel wool can be easily adjusted to expose a portion thereof for use, as the wool becomes worn. It will be further obvious that the method employed for making the device is extremely simple, yet the device is capable of performing its intended function in an efficient manner, and with very little effort on the part of the user.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:

1. A scouring device comprising a cylindrical holder formed from a sheet of elastic material and providing a handle, means securing the sheet in cylindrical formation, straight strands of steel wool arranged within said holder and adapted to be fed therethrough, protecting means formed from a blank of elastic material disposed about the holder, means for securing the protecting means to the holder adjacent the lower end thereof and in a manner to provide oppositely disposed outwardly flared upwardly extending gripping portions providing thumb and finger receiving pockets.

2. A scouring device comprising a hollow cylindrical holder providing a handle and formed from a sheet of self adhering rubber, means for holding the sheet in cylindrical formation and formed from self adhering rubber, straight strands of steel wool disposed within said holder and adapted to be fed therethrough, a blank of self adhering rubber arranged about the holder adjacent the lower end thereof, strips of self-adhering rubber securing the blank to the holder in a manner to provide oppositely disposed laterally arranged outwardly flared upwardly extending gripping portions forming thumb and finger receiving pockets.

3. A scouring device comprising a hollow cylindrical flexible holder providing a handle, strands of metallic wool disposed within said holder and adapted to be fed therefrom, flexible and resilent protecting means secured exteriorly about the lower portion of the holder and including laterally arranged oppositely disposed outwardly and upwardly flared portions providing thumb and finger receiving and gripping pockets.

CLARENCE B. STEVENS.