Oct. 9, 1928. 1,686,526

W. A. LACY

HOLDER

Filed July 20, 1926

Fig. 1.

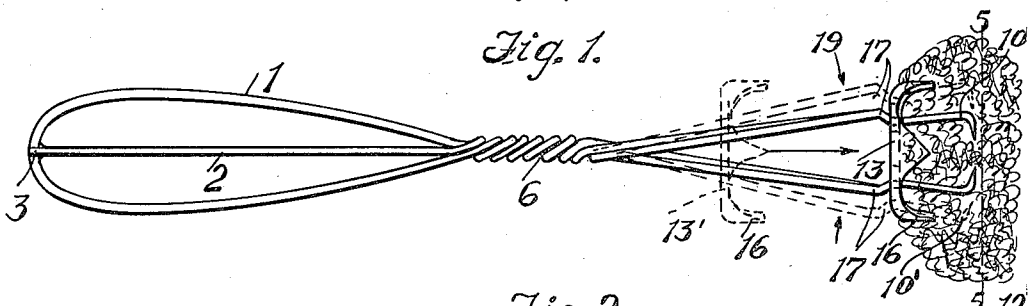


Fig. 2.

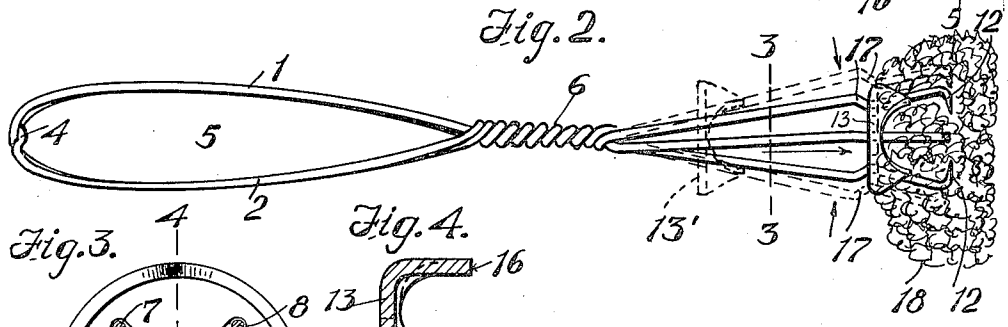


Fig. 3.

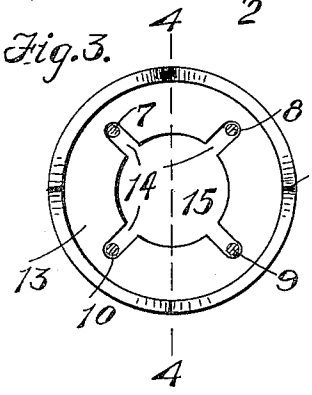


Fig. 4.

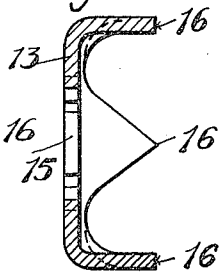
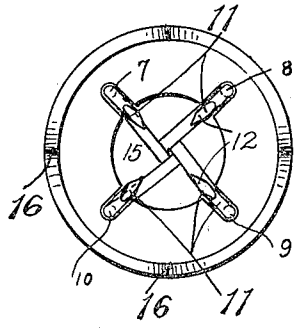


Fig. 5.



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UNITED STATES PATENT OFFICE.

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HOLDER.

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This invention relates to improvements in holders and more particularly to devices for retaining a quantity of steel wool or other fibrous material when being used.

It is a well known fact that the small particles of steel enter the hand when it is used and find lodgement under the skin which often results in an infection of some kind. My present invention is designed to overcome this objection and to provide a holder for securing the scouring or abrasive material while being used. This steel wool is used for scouring or cleaning kitchen utensils, removing paint or varnish, and for other similar cleaning purposes.

The improvement comprises a plurality of sharpened wire points which will readily enter the abrasive material, and, a slidable clamping member which is movable on the free ends of the wires for compressing the material and whereby it may be securely retained on the holder while being used. The slidable clamping member is so constructed and arranged that it will effectually operate to retain the wire elements of the holder in a fixed position relative to each other. The wire elements near their free ends are so constructed that the slidable clamp is automatically retained in its position for clamping the wool on the wires in order that the abrasive material is prevented from working loose or becoming detached from the holder.

Further objects and nature of the invention will be fully set forth in the body of the specifications and specifically set forth in the appended claim.

Referring to the drawings:

Fig. 1 is a plan view showing in dotted lines, the positions of the wire hooks and the slidable clamping member on the free arm portions of the hooks, and, in full lines the clamping positions of the hooks.

Fig. 2 is a plan view similar to Fig. 1 but showing the holder rotated 90 degrees.

Fig. 3 is a detail view on the line 3—3 of Fig. 2 of the slidable holder member illustrating the centrally disposed opening and the radially arranged wire receiving slots.

Fig. 4 is a sectional view on the line 4—4 of Fig. 3 showing the sharpened points of the holder that are disposed intermediate the radially arranged slots.

Fig. 5 is an end view on the line 5—5 of Fig. 1 showing the positions of the sharpened points,

Referring to the drawings in detail:

1 and 2 designates two pieces of wire that are arranged at right angles to each other, as indicated in Figs. 1 and 2. These wires are bent intermediate of their lengths as indicated by the reference numeral 3; at the point of crossing they are secured together by solder indicated at 4. The bending of these wires as shown provides a suitable handle part designated as a whole by the numeral 5. These two bent wires as shown extend forward and are twisted together as indicated at 6 by imparting a suitable number of turns to the wires. After they are twisted together they are permanently secured in place by solder. The extreme right hand ends of the two wires 1 and 2 provide four prongs indicated in Fig. 3 by the numerals 7, 8, 9, and 10; the outer ends of which are formed with a right angular bend designated at 10′ and their inwardly extending portions 11 are sharpened as clearly shown in Figs. 1, 2, and 5 at 12. 13 is a cup shaped slidable wool clamping member which is located on the wires 7, 8, 9, and 10. This member is formed with the radially arranged slots 14 in each of which, one of these wires is located. 15 is a centrally disposed opening for the purpose of placing the cup shaped member 13 on the rods 7, 8, 9, and 10. Arranged intermediate the upturned edge of this member and of the radial openings 14 are the sharpened end portions 16.

Each of the rods 7, 8, 9, and 10 are formed with an inwardly extending bent or crimped portion 17 which prevents the slidable cup shaped member 13 from moving downward or toward the left hand when it is pushed forward for gripping the metal wool indicated at 18.

The device is used as follows: The slidable cup shaped member 13 is first moved downward into the dotted line position 13′. A suitable quantity of the metal wool is provided. The sharpened prongs 12 are next inserted therein. The slidable cup shaped member 13 is now moved along the wires 7, 8, 9, and 10 which operates to force these wires inward as indicated by the arrows 19. This causes the sharpened prongs to firmly retain the metal wool and at the same time it is compressed by the clamping member 13. The sharpened prongs 16 will be firmly embedded in the wool. The shoulder portions 17 will prevent the clamping member 13 from be-

coming forced along the wires or out of place.

It is to be understood that the wires are sufficiently elastic or springy in order to normally assume the dotted line positions when the clamping member is forced rearwardly when it is desired to remove the wool and substitute a new quantity.

This improvement is understood to be capable of other uses. It may serve as a holder for clamping a suitable material when used for dishwashing.

What I claim is:

A device for the purpose described comprising a handle portion which is made up of a plurality of wires which are bent intermediate their ends, the wires being twisted together and the ends of the wires formed with inwardly extending bent portions sharpened at their free ends, an apertured cup-shaped slidable clamping member located on the free ends of the wires, said member having notches in the aperture to separately receive single clamping wires and said wires each having an inwardly bent portion for retaining the slidable clamping member in place but permitting it to be moved rearwardly to a releasing position.

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