

Feb. 28, 1933.

S. M. BOOKMAN

1,899,552

SCOURING DEVICE

Filed June 16, 1930

Fig. 1.

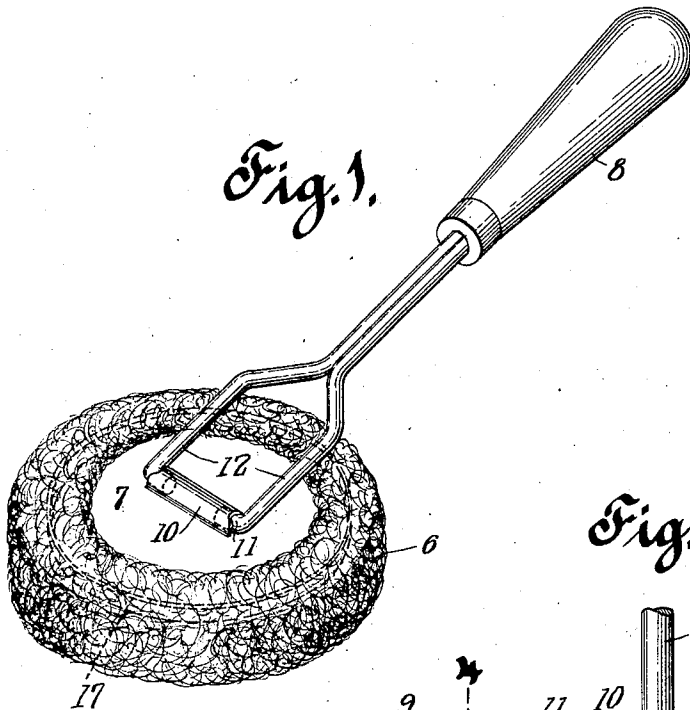


Fig. 2.

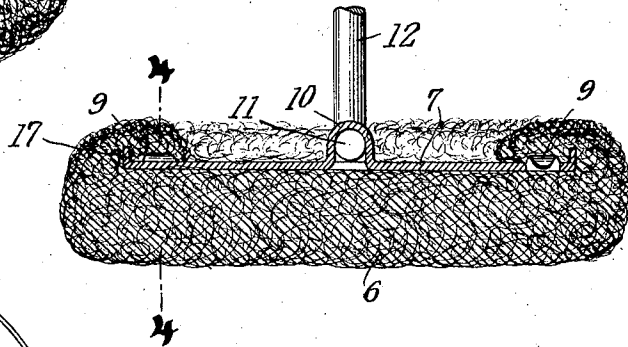


Fig. 3.

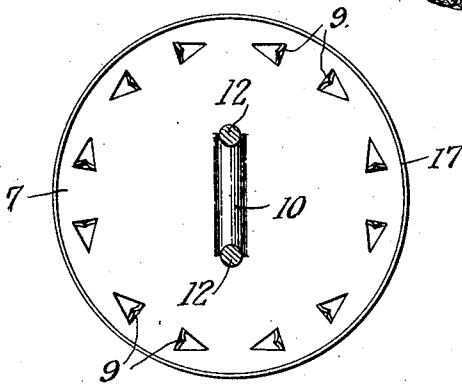


Fig. 4.

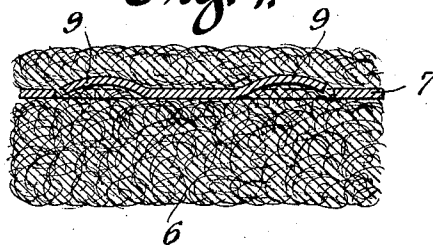
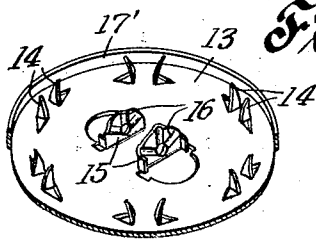


Fig. 5.



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SCOURING DEVICE

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This invention relates to improvements in scouring devices, and more particularly to a novel scouring device of the type which comprises a wad or block of metallic wool or the like.

One of the salient objects of the invention is to provide a device of this character, including a body disk and pad which may be sold as an entity to be used with a detachable handle.

Another object of the invention is to furnish novel means for connecting the handle to the body.

A still further object is to provide a device of this kind, comprising a supporting disk over the edges of which the metallic wool is placed, so that the upper, as well as the lower portion of the wad may be employed for scouring purposes.

A further purpose of the invention is to provide such a scourer in which the body disk has its edge flanged or beaded for the purpose of reinforcing the disk, and so that the periphery of the pad may also be used whenever necessary, for scouring purposes, without danger of the edge of the disk cutting through the steel wool or scratching or marring the utensil on which the pot cleaner is used.

A still further object is to furnish a structure of this sort, which may be inexpensively manufactured.

With the foregoing objects outlined and with other objects in view which will appear as the description proceeds, the invention consists in the novel features hereinafter described in detail, illustrated in the accompanying drawing, and more particularly pointed out in the appended claims.

Referring to the drawing,

Fig. 1 is a perspective view of one form of the invention.

Fig. 2 is an enlarged vertical sectional view of a portion of the same.

Fig. 3 is a top plan view of the body disk of the device.

Fig. 4 is an enlarged sectional view on the line 4-4 of Fig. 2.

Fig. 5 is a perspective view of a modified form of the body disk.

In the drawing, 6 designates a wad or pad of a suitable scouring material, such as metallic wool. A pad of such material, in accordance with my invention, has its edge portions bent over the edge of a rigid metal body disk 7, and the latter is detachably connected to a handle 8.

Any suitable means may be employed to secure the over-lapping edges of the pad to the disk; for example, the disk may have V-shaped slits about its edge portion from which tongues 9 are struck upwardly. When the pad is placed with its edge portion over-lapping the edge of the disk, and pressure is brought to bear on the opposite sides of the pad, the tongues 9 will be bent downwardly, as shown in Fig. 4, and in assuming this position, the tongues will bite into the material of the pad.

For the purpose of connecting the handle to the disk, the latter may be provided with an upstanding channel-shaped part 10, having open ends to receive fingers 11 which project toward one another from the resilient arms 12 of the handle. Obviously, when the arms are pulled apart, the fingers will disengage the channel 10.

The edge of the disk is reinforced in some suitable way. For instance, by providing the same with an upturned flange 17. This feature allows the edge or peripheral portion of the device to be used for scouring purposes without liability of the edge of the disk cutting through the steel wool or defacing any utensil on which the cleaner is used.

It is my intention to sell a plurality of the units with a single handle, for the latter may be used with any one of the pads or blocks.

As shown in Fig. 5, a circular metallic body disk 13 may have upstanding barbs or tongues 14, and the central portion of this disk will be struck upwardly to provide a pair of ears 15, each having an aperture to receive one of the fingers 11 of the handle, and each ear will also be provided with a number of grooves 16 which radiate upwardly from the aperture of the ear, for the purpose of receiving the arms 12, so as to hold the disk at a desired angle relatively to the handle.

In this embodiment of the invention also the edge of the disk is reinforced, for example, by means of an upstanding circular flange 17', which is broken away in Fig. 5 to facilitate illustration.

When a device of this character is employed for scouring kitchen utensils for example, it will be evident that the narrow edge portion of the pad will reach into curved concave surfaces and crevices, and furthermore, the upper edge portion of the pad will serve as effectively as the under portion of the same. In other words, the pad may be used similar to the ordinary wad of metallic wool, but of course the handle will protect the hand of the user.

While I have disclosed what I now consider to be preferred embodiments of the invention in such manner that the same may be readily understood by those skilled in the art, I am aware that changes may be made in the details disclosed, without departing from the spirit of the invention, as expressed in the claims.

What I claim and desire to secure by Letters Patent is:

1. A scouring device comprising a relatively stiff disk, a piece of metallic wool below the disk having edge portions extending upwardly and inwardly over the edge of the disk and forming an annulus of metallic wool above the disk, means united with the disk to facilitate detachably securing a handle to the disk, and means for interlocking the disk with said piece of metallic wool.

2. A scouring device comprising a relatively stiff disk, a piece of metallic wool below the disk having edge portions extending upwardly and inwardly over the edge of the disk and forming an annulus of metallic wool above the disk, means united with the disk to facilitate detachably securing a handle to the disk, and means for interlocking the disk with said piece of metallic wool, the last mentioned means comprising prongs struck from the disk and penetrating said annulus.

3. A scouring device comprising a relatively stiff disk, a piece of metallic wool below the disk having edge portions extending upwardly and inwardly over the edge of the disk and forming an annulus of metallic wool above the disk, means united with the disk to facilitate detachably securing a handle to the disk, means for interlocking the disk with said piece of metallic wool, and a reinforcing flange arranged at the edge of the disk and embedded within said piece of metallic wool.

4. A scouring device comprising a relatively stiff disk, a piece of metallic wool below the disk having edge portions extending upwardly and inwardly over the edge of the disk and forming an annulus of metallic wool above the disk, means united with the disk to facilitate detachably securing a handle to the

disk, means for interlocking the disk with said piece of metallic wool, and an annular upstanding reinforcing flange arranged at the edge of the disk and embedded within said piece of metallic wool, said disk being formed of sheet metal, and the last mentioned means comprising prongs struck from the sheet metal disk and penetrating said annulus.

In testimony whereof, I hereto affix my signature.

SIDNEY M. BOOKMAN.

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