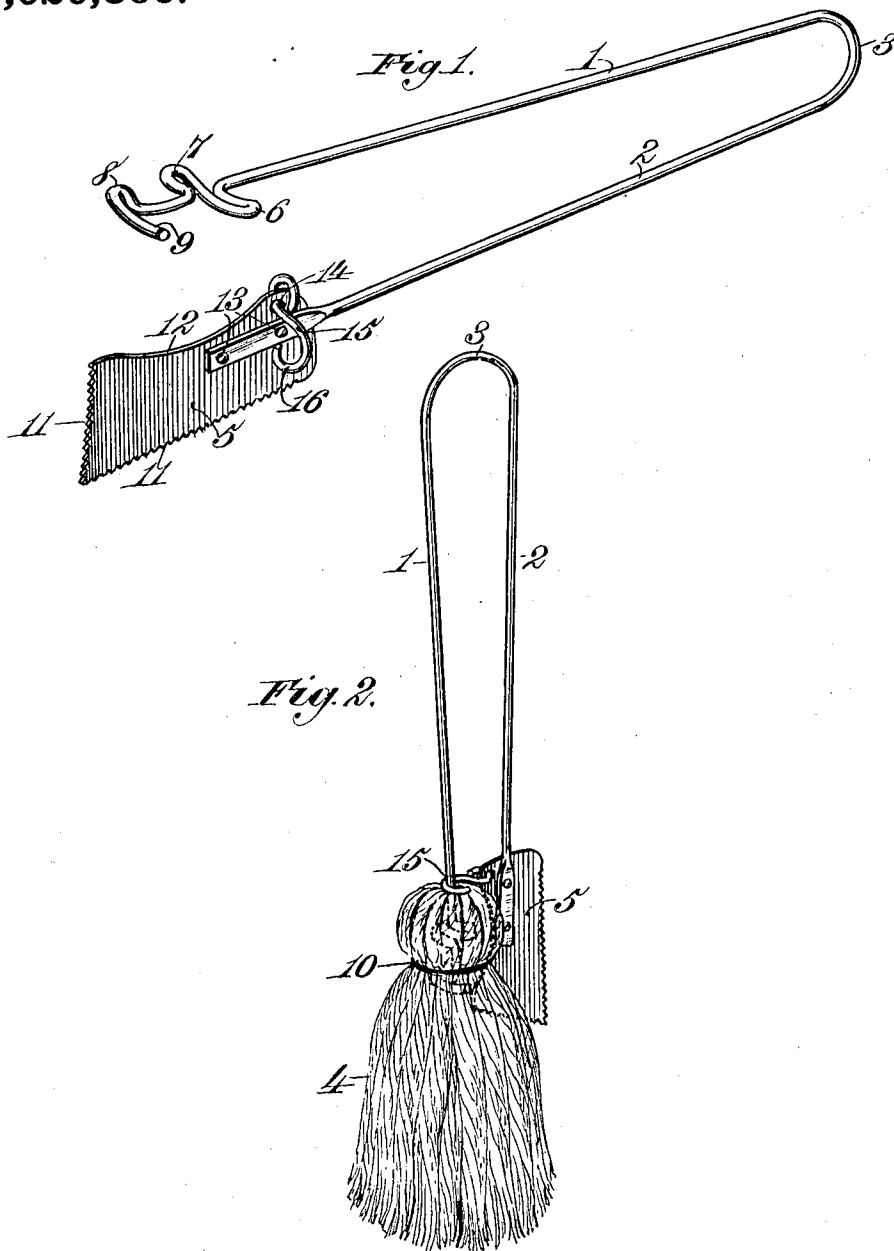


L. B. WILLIS.
COMBINATION DISH MOP AND SCRAPER.
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1,020,866.

Patented Mar. 19, 1912.



Witnesses:
Robert Everett,
[Signature]

Inventor:
Lilla Boyd Willis.
By *[Signature]*
James L. Morris, Jr.
Atty.

UNITED STATES PATENT OFFICE.

LILLA BOYD WILLIS, OF LOUISVILLE, KENTUCKY.

COMBINATION DISH MOP AND SCRAPER.

1,020,866.

Specification of Letters Patent. Patented Mar. 19, 1912.

Application filed January 5, 1911. Serial No. 601,044.

To all whom it may concern:

Be it known that I, LILLA BOYD WILLIS, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented new and useful Improvements in Combination Dish Mops and Scrapers, of which the following is a specification.

This invention relates to improvements in combination dish mops and scrapers, its objects being to provide a device of this character which shall be of simple construction, efficient, sanitary and inexpensive.

An embodiment of the invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view showing the handle and the adjuncts thereof, the mop being omitted for the sake of clearness; and Fig. 2 is a similar view showing the mop applied to the handle, and the parts of the device in their operative relation.

Similar characters of reference designate corresponding parts throughout the several views.

The improved device includes a handle which consists of a single integral section of resilient wire embodying legs 1 and 2 which are substantially coextensive and are connected at their upper ends by a bow-shaped portion 3. The leg 1 carries the mop, as 4, and the leg 2 carries the scraper, as 5.

The mop 4 is of the conventional form ordinarily employed consisting of a number of cotton rope strands and its assemblage is provided for by forming the free end of the leg 1 as shown more particularly in Fig. 1 wherein said leg is bent to afford, at a point distant from its end, opposite projections 6 and 7, the leg being continued from the latter and terminating in a bent extension 8 having a projecting terminal end portion 9. The mop is fitted over the leg 1 and is secured thereon by wrapping a fastening cord 10 in a number of coils around the mop at a point between the projections 6 and 7 on the one hand and the projections 8 and 9 on the other hand. The scraper 5 is positioned adjacent the mop being disposed axially of the leg by which it is carried and in the plane of the handle. Said scraper embodies a substantially rectangular section of sheet metal suitable for the purposes contemplated, having its outer side and end edges formed with teeth 11, having its inner side edge of concave curva-

ture as 12, and connected to the end of the leg 2 which is preferably flattened for the purpose by rivets 13. The scraper 5 is furthermore formed at the inner end of its curved edge 12 with an opening 14 in which is engaged a loop of an ogee attachment 15 which includes also a bill 16 for detachable engagement with the leg 1.

In use the mop is fitted on the leg 1 in the manner shown and described and thereupon the leg 2, which has a normal tendency to spring away from the leg 1, is held in close proximity to the latter by engaging the bill 16 over the leg 1 near the free end thereof. The scraper 5 is thus held closely against the mop, its curved edge 12 readily allowing for the close association of these parts by receiving the upper portion of the mop which is of course bulged to a certain extent by reason of the provision of the fastening cord 10. By connecting the legs 1 and 2 in this manner the device is not only rendered compact, but these legs are, in effect, rigidly associated with one another so that when the scraper is used there will be no loose play or undue lateral movement such as would interfere with an efficient scraping operation. In using the scraper to remove hard or sticky substances from the dish or pan, the vertical faces of the pan will be cleaned by the side edge of the scraper and the bottom of the pan will be cleaned by the bottom edge of the scraper. The toothed edges of the scraper meet one another at an acute angle very slightly less than a right angle and the sharp toothed corner portion thus afforded may be used efficiently in removing collected matter from the corners or seams of a pan.

By assembling the mop and the scraper on a wire handle having the characteristic features enumerated, a combination device is provided which, as will be apparent, is of extremely sanitary nature, the handle embodying no material which will promote the accumulation of dirt or which will afford a bed for deleterious matters. The handle is, in fact, of skeleton construction and may therefore be readily cleaned and at the same time provides for a free circulation of air through the mop. When the scraper is not in use it may readily hang from a nail, the portion 3 of the handle constituting a hanger.

Owing to the provision of the curved edge 12, coupled with the provision of the part

15, if it should happen that the cord 10 should work loose or become cut or otherwise insecure, the displacement of the mop will be prevented, since in such a case the
5 scraper will constitute a sort of a clamp to hold the mop firmly upon the lower end of the leg 1.

Having fully described my invention, I claim:

10 A device of the type set forth consisting of a handle having two adjacent substantially co-extensive legs connected at adjacent ends thereof and having their other ends free, one of the legs having projections at its
15 free end to facilitate the attachment of a mop thereto, a scraper consisting of a sheet

metal blade rigidly fitted on the free end portion of the other leg and disposed axially thereof and in the plane of the handle, and a connection between the adjacent free 20 end portions of the legs to secure the proper operative relation thereof, the connection being operable to enable the legs to move away from one another.

In testimony whereof I have hereunto set 25 my hand in presence of two subscribing witnesses.

LILLA BOYD WILLIS.

Witnesses:

LAWRENCE W. MANNING,
HERBERT D. WILLIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."