

Feb. 14, 1933.

S. WALLACE

1,897,778

SCOURING PAD

Filed July 7, 1931

Fig. 1

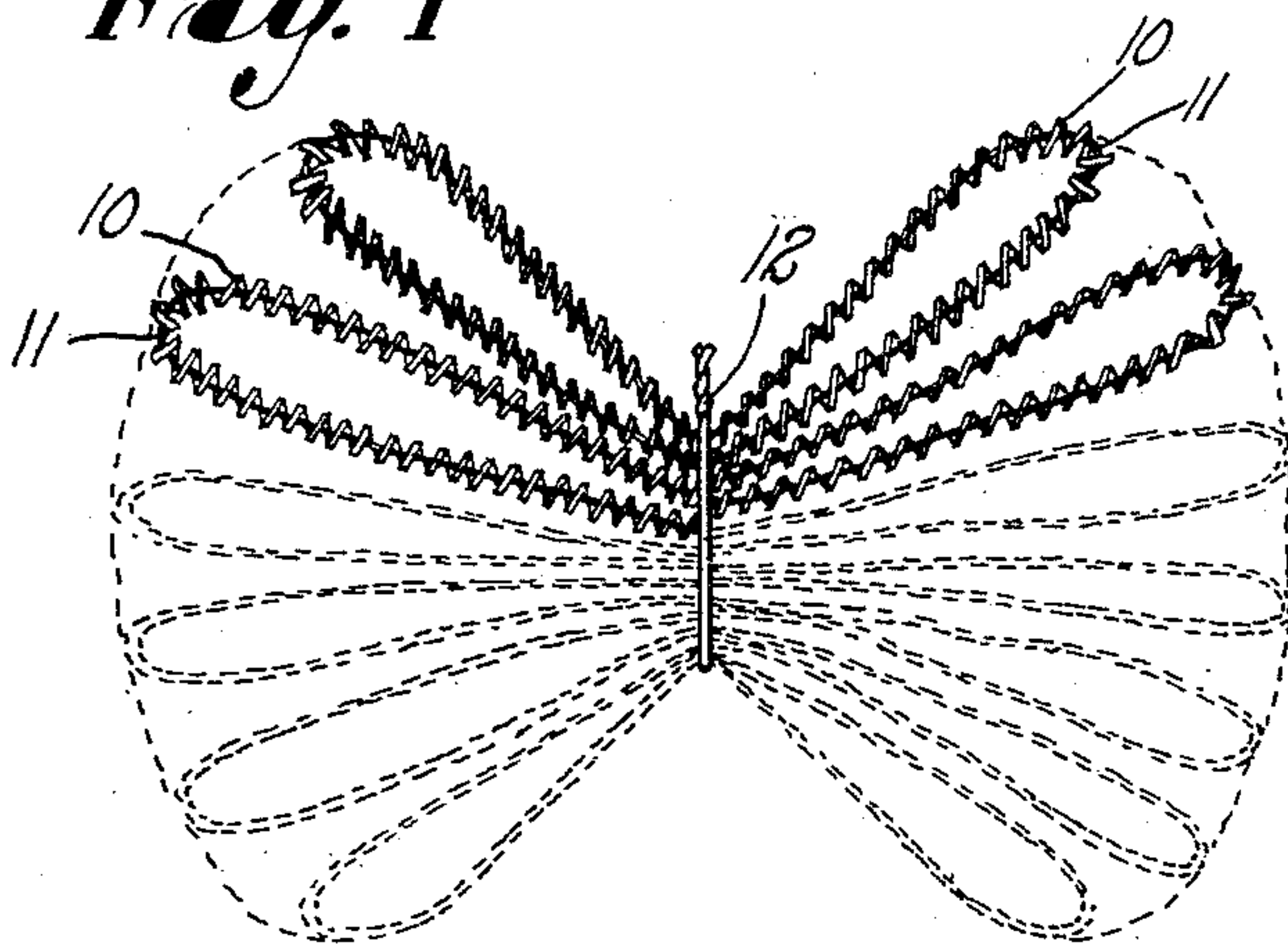


Fig. 2

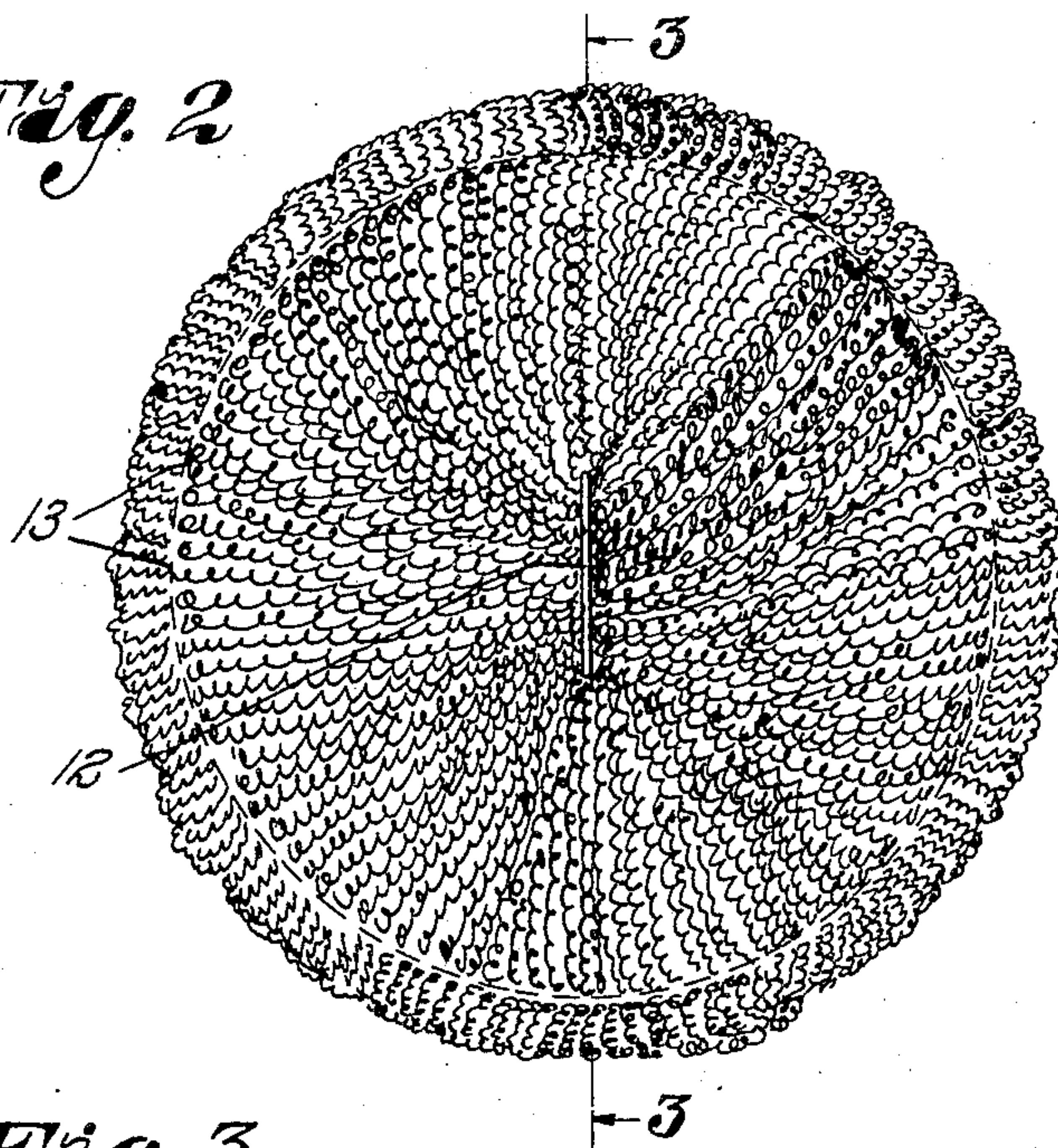
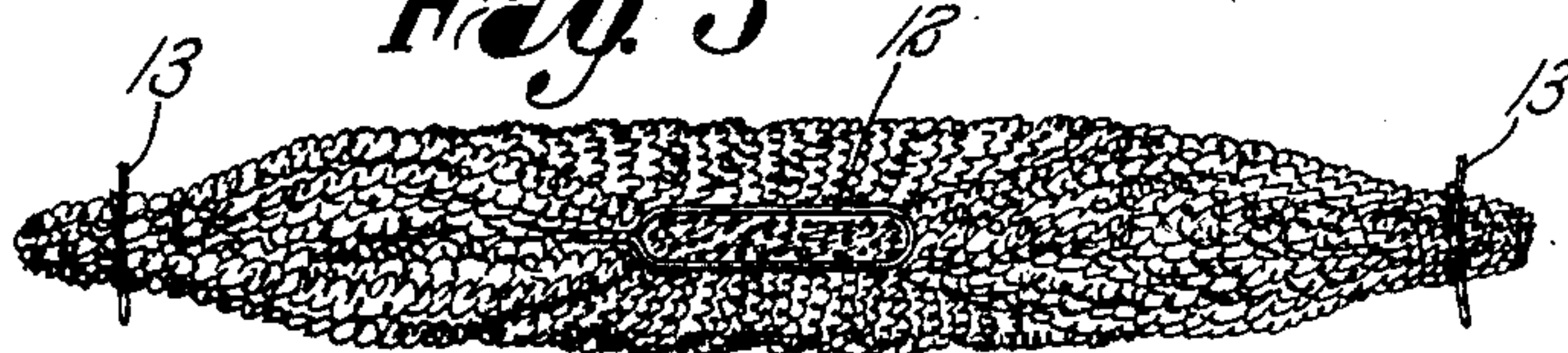


Fig. 3



Inventor
Samuel Wallace

By *A. Gray Lindsey*

Attorney

UNITED STATES PATENT OFFICE

SAMUEL WALLACE, OF WINDSOR LOCKS, CONNECTICUT, ASSIGNOR TO THE MONTGOMERY COMPANY, OF WINDSOR LOCKS, CONNECTICUT, A CORPORATION OF CONNECTICUT

SCOURING PAD

Application filed July 7, 1931. Serial No. 549,202.

This invention relates generally to scouring devices for use in smoothing and cleaning dirty surfaces and which have peculiar application in connection with cleaning and scouring kitchen utensils and the like. The invention particularly relates to scouring devices of the sort composed of a thin metal ribbon spirally wound (preferably upon a core) in order to present a multiplicity of sharp edges which are effective in scraping and removing grease, dirt or the like from the surface to be scoured.

The aim of the invention is to provide a scouring implement or device of such form and contour that it is extremely convenient and handy in use and will perform the desired functions very efficiently and nicely, the construction being such that the device will substantially retain its original shape. The device of the present invention is so shaped and constructed that it may be caused to readily conform to the surface to be cleaned and a relatively large cleaning surface, as compared to the mass of the device, is available for use. Furthermore, the construction is such as to permit the device to be manufactured at a relatively low cost, a feature of prime importance in connection with devices of this sort, as they must be sold at an extremely low price.

Other objects will be in part obvious, and in part pointed out more in detail hereinafter.

The invention accordingly consists in the features of construction, combination of elements and arrangement of parts which will be exemplified in the construction hereinafter set forth and the scope of the application of which will be indicated in the appended claims.

In the accompanying drawing, wherein is shown, for illustrative purposes, one embodiment which the present invention may take:

Fig. 1 is a view showing, more or less diagrammatically, a partially formed scouring device;

Fig. 2 is a plan view of a completed device; and

Fig. 3 is a sectional view therethrough taken substantially on line 3—3 of Fig. 2.

In the present illustrative disclosure of the invention, the device is shown as being made up of a metal ribbon 10 suitably formed and manipulated to provide a multiplicity of scraping edges along its length. In the present instance, the ribbon is spirally wound upon a core 11, which may be made of a suitable fibre or it may comprise a metal wire. By preference, the spirally wound ribbon and the core are both of copper which will not rust or splinter. The composite strand is folded back and forth upon itself in a series of courses, as shown in Fig. 1, in order to form a more or less flat skein with loops at each end. In that figure, only a few of the loops are illustrated, and are shown as being more or less regular in form. In actual practice, there are sufficient courses to make up a pad of some thickness and the loops will not be as regular as those shown in this figure. At the central portion of the skein is a binding member 12 in the form of a wire, which preferably has an elongated form so that the central portion of the mat is relatively flat. The loops to each side of the binding wire are arranged in somewhat fan or semi-circular shape, thus providing a generally circular, flat pad. About the margin of the pad, is a suitable binding means which may be in the form of stitches 13. These stitches are inside of the extreme outer ends of the loops and hold those ends against substantial displacement relative to one another.

It will thus be seen, from the foregoing description taken in connection with the accompanying drawing, that, in accordance with the present invention, there is provided a pad, more or less of pancake form, comprising a plurality of loops radiating from the center of the pad, the loops at their outer ends being held against displacement relative to one another by marginal stitching. It is particularly well adapted for cleaning corners of pans and the like. The pad, while being relatively thin in thickness, has sufficient body to prevent the fingers of the operator from going through the pad.

During the life of the pad, practically all of the cleaning ribbon or ribbons are brought into play. The pad may be readily cleaned since it has no substantial core or concealed part, which is to say that the pad is very sanitary. Furthermore, a device constructed in accordance with the present invention is very durable and has a long and effective useful life.

As many changes could be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the language used in the following claims is intended to cover all of the generic and specific features of the invention herein described and all statements of the scope of the invention which, as a matter of language, might be said to fall therebetween.

What is claimed is:

1. A scouring pad composed of a metal ribbon folded back and forth upon itself to provide a multiplicity of scraping edges, said ribbon being arranged in a plurality of loops radiating from the center of the pad, binding means at the center of the pad, and binding means at the marginal edge of the pad.

2. A scouring pad comprising a substantially flat mat composed of a metal ribbon having a multiplicity of scraping edges, said ribbon being folded back and forth upon itself in a series of courses to provide a plurality of loops, means for binding the courses intermediate the ends thereof, the loops to each side of said binding means being arranged in fan shape, and stitching at the marginal edge of the mat.

3. A scouring pad composed of a metal coiled ribbon folded back and forth upon itself in a series of courses to provide a plurality of loops, means for binding the courses adjacent their intermediate portions, the loops to each side of said binding means being arranged in fan shape, and means adjacent the peripheral edge of the pad for holding the outer ends of the loops in place.

4. A scouring pad comprising a substantially flat round pad composed of a metal ribbon coiled upon a core to form a multiplicity of scraping edges, said ribbon being folded back and forth upon itself in a series of courses, a wire ring for binding said courses intermediate their ends, said ring having an elongated form in a direction transversely to the length of said courses, and stitching about the marginal edge of the pad.

SAMUEL WALLACE.