

July 10, 1928.

1,676,905

F. M. KING, SR

COMBINED DISHWASHER AND SOAP HOLDER

Filed June 6, 1927

2 Sheets-Sheet 1

Fig 1.

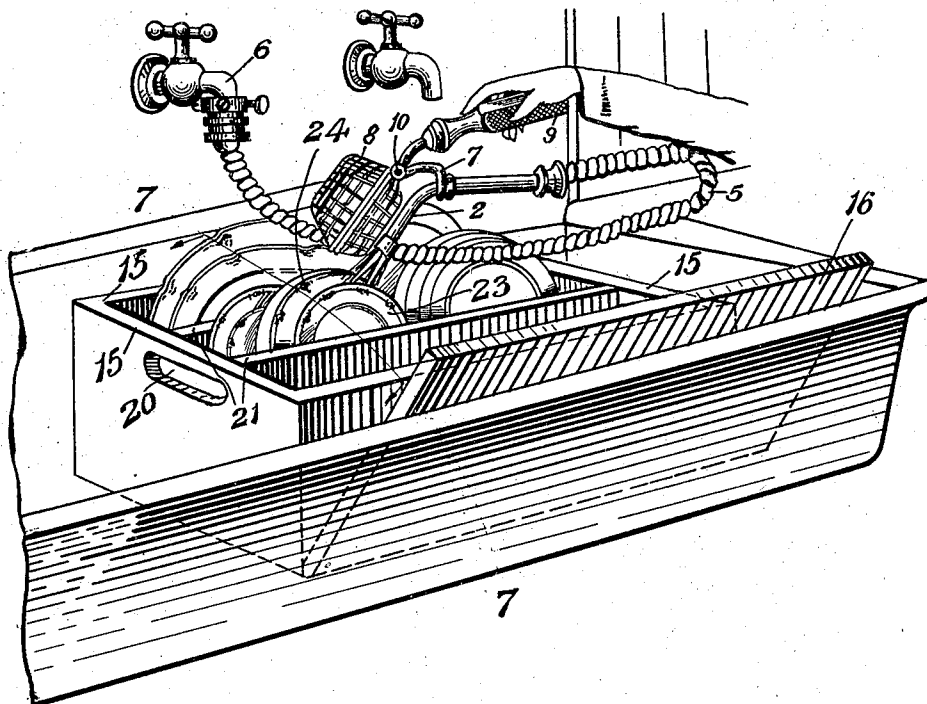


Fig 2.

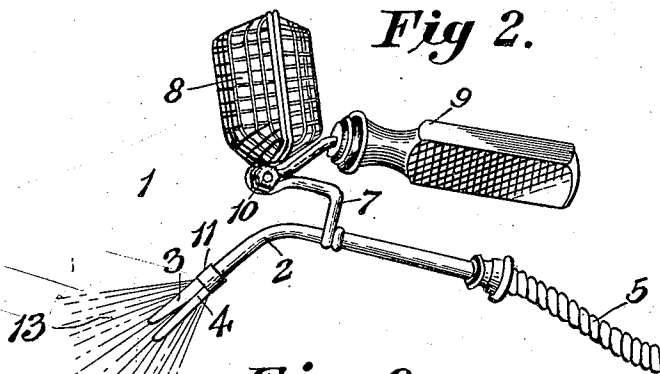
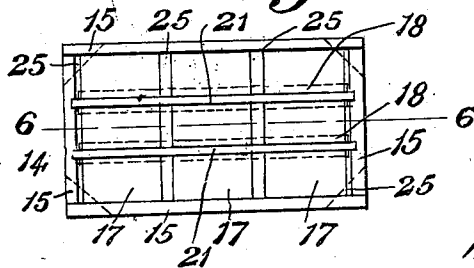


Fig 8.



INVENTOR:
Francis M. King, Sr.
BY
Wm. H. King & Co.
ATTORNEYS.

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2 Sheets-Sheet 2

Fig 6.

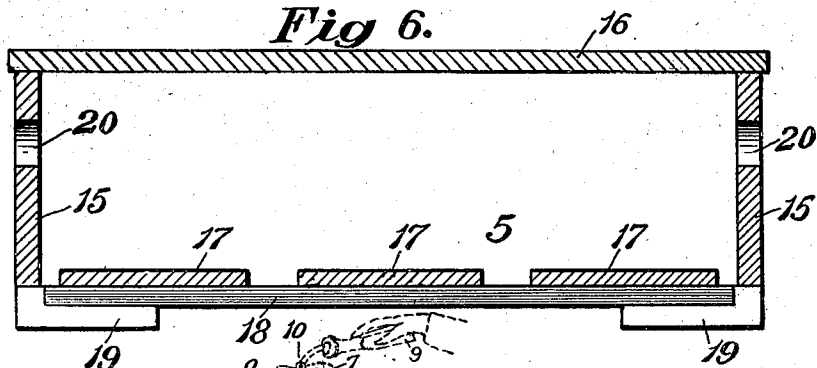


Fig 7.

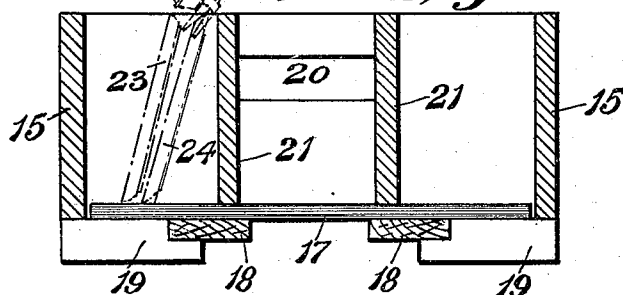


Fig 3.

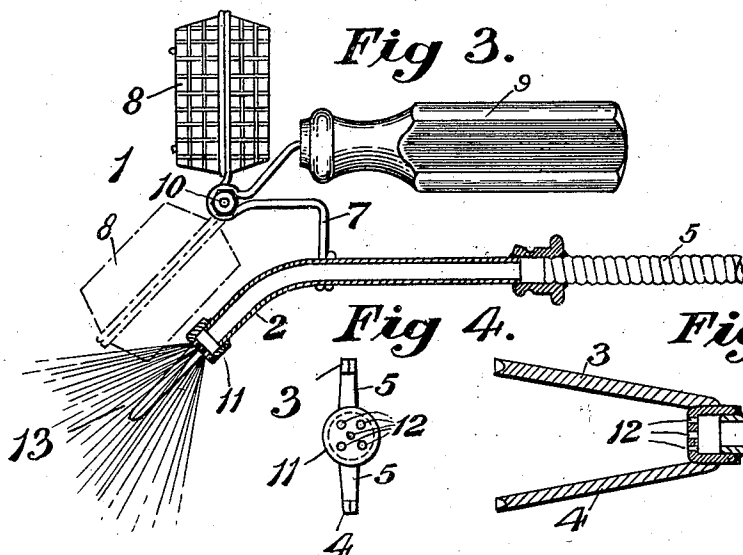
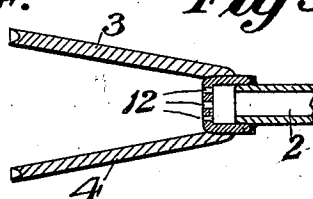


Fig 4.

Fig 5.



Francis M. King, Sr.

BY
Meduschein & Gault
ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRANCIS M. KING, SR., OF PHILADELPHIA, PENNSYLVANIA.

COMBINED DISHWASHER AND SOAP HOLDER.

Application filed June 6, 1927. Serial No. 196,773.

My invention relates to a new and useful combined diswasher and soap holder, and more particularly to an automatic dish-washer whereby dishes may be washed and rinsed without the use of a dishrag or the like, and whereby the necessity of soiling or wetting the hands is entirely eliminated, thereby obviating the discomforts of hot and cold water, as well as the effect of hard soap and the like, on the hands of the operator.

My invention further relates to a dish-washer of this character whereby a number of dishes may be washed and rinsed successively without removing the same from the wash basin or dish tub.

My invention further relates to a dish-washer of this character which may be used in conjunction with a conventional kitchen sink, and whereby the use of a special dish tub or basin is eliminated.

My invention further relates to a device of this character whereby both sides of the same dish or plate or the back side of one dish and the front side of the next adjacent dish may be washed simultaneously.

My invention further relates to a dish-washer of this general character, whereby either a stream of soap water or a stream of plain water may be directed upon the dishes to be washed alternately and at will.

To the above ends, my invention consists of a nozzle having its front provided with bifurcations, a bracket secured to a conduit leading to said nozzle, a soap container pivotally mounted on said bracket, a handle member secured to said bracket for manipulating said tubular member and said container, and a conduit having one end thereof secured to the rear end of said nozzle and having the other end thereof adapted to be connected to a water supply.

My invention further consists of the combination of a nozzle and a soap holder, pivotally supported in such a manner that when the soap holder is deflected downwardly and forwardly, the water from said nozzle impinges on the soap to effect initial washing and cleansing of the dishes, and when said soap holder is turned backwardly or away from said nozzle, a stream of clear water can be utilized for rinsing purposes.

For the purpose of illustrating my invention, I have shown in the accompanying drawings, a form thereof, which is at present preferred by me, since it will give, in prac-

tice, satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of these instrumentalities as herein shown and described.

In the accompanying drawings:—

Figure 1 represents a view in perspective, of a combined dishwasher and soap holder embodying my invention, shown in use.

Figure 2 represents a perspective view of the dishwasher and soap holder shown detached.

Figure 3 represents a view similar to that shown in Figure 2, showing the soap holder in its alternate, operative and inoperative positions, certain parts being shown in section.

Figure 4 represents an end view of the nozzle.

Figure 5 represents a section on line 5—5 of Figure 4.

Figure 6 represents a section on line 6—6 of Figure 8.

Figure 7 represents a section on line 7—7 of Figure 1.

Figure 8 represents a plan view of a container, employed in conjunction with my novel dishwasher and soap holder, shown with the cover thereof removed.

Referring to the drawings in which like reference characters indicate like parts, 1 designates my novel combined dishwasher and soap holder comprising the conduit 2, having at its front end the integral, suitably spaced prongs or bifurcations 3 and 4, and having its rear end connected to one end of a flexible hose or conduit 5, the other end of which is detachably secured to the spigot or other water supply 6. A supporting bracket 7, permanently secured to the conduit 2, carries the soap holder 8 made of wire mesh or the like, in which a cake of soap (not shown) is adapted to be placed. A handle 9 is secured to a rear extension of the bracket 7, for manipulating the conduit, soap holder and their adjuncts. In the nozzle 11 are provided the ports 12, through which the water emerges as at 13. The soap holder 8 is pivotally secured as at 10, within an eye formed in the supporting bracket 7 and may thus be deflected into the operative position shown in full lines in

Figure 1 and shown dotted in Figures 3 and 7, or into the inoperative position shown in full lines in Figures 2 and 3, it being understood that said soap holder is movable to either of its extreme positions independently of the handle, conduit and nozzle, the forward movement of the container 8 being limited by its contact with the nozzle 11 and its rearward movement being limited by its contact with the upper portion of the bracket 7 as seen in Figure 3.

A tray or container 14, comprising the vertical walls 15 and the cover or lid 16, is provided with a removable bottom consisting of the spaced transverse slats 17 suitably secured to the spaced longitudinal members 18. The container 14 is further provided with the legs or stands 19 and the opposed handle slots 20, and is divided into a series of compartments by the removable partitions 21.

Thus, when it is desired to use the novel combined dishwasher and soap holder of my invention, it is merely necessary to connect the free end of the hose 5 to a spigot 6. The water spouting out from the nozzle 11 through the ports 12, and impinging against the soap contained in the soap holder 8, forms soap suds or soap solution which is then played over the dishes positioned in the dish tray or container 14, which in turn is positioned in a conventional kitchen sink in the manner shown in Figure 1.

In practical application the bifurcations 3 and 4 are inserted between any two normally contiguous adjacent dishes 23 and 24 to separate the same, so that the plain water or soap solution 13, as the case may be, may impinge upon the rear side of the former and the front side of the latter as will be apparent from Figure 1. Thus, with the aid of the bifurcations 3 and 4, I am enabled to support two adjacent contiguous dishes to be washed, in spaced relation to each other so that the spray of solution or plain water may have unobstructed access to the entire surface of the dishes to be washed, without the necessity of supporting or separating such dishes by hand as has been the practice heretofore, thereby not only keeping the hands of the operator unsoiled, but also eliminating all risk of the hands being scalded by the hot water ordinarily used in washing dishes.

After the dishes 23 and 24 have been sufficiently washed, the prongs 3 and 4 are withdrawn from therebetween and inserted between the next adjacent pair of dishes to be washed. If it is desired to use plain water, it is merely necessary to deflect the soap holder 8 into the position shown in Figure 2, that is, out of the path of the stream of plain water flowing out from the nozzle 11. Waste water flows out from the tray 14 through the openings 25 in the re-

movable bottom thereof and into the sink drain. In actual use, the cover 16 may be positioned intermediate the tray 14 and the wall of a conventional kitchen sink, to prevent the water from splashing, as will be understood from Figure 1.

It will thus be seen that I have devised a novel combined dishwasher and soap holder which may be effectively used in washing dishes, without in any way soiling the hands or subjecting the same to the effect of cold and hot water and the acid or alkaline solutions generally employed for such purposes. It will be also noted that I have devised an efficient and economical dishwasher whereby the water from the spigot is directed in a plurality of streams upon the dish to be washed and that the soap is consumed only when actually needed and used. Another advantage of my invention is that either the two sides of the same dish or the front and rear sides of adjacent dishes may be washed simultaneously thus effecting a considerable saving in time.

It will now be apparent that I have devised a new and useful combined dishwasher and soap holder which embodies the features of advantage enumerated in the statement of the invention and the above description, and while I have, in the present instance, shown and described a preferred embodiment thereof which is at present preferred by me since it will give, in practice, satisfactory and reliable results, it is to be understood that such embodiment is susceptible of modification in various particulars without departing from the spirit or scope of the invention or sacrificing any of its advantages.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a device of the character stated, a nozzle, a water supply conduit therefor, a perforated soap container pivotally mounted above said nozzle and adapted to be turned towards or away from said nozzle, and a handle for manipulating said nozzle and container.

2. In a device of the character stated, a nozzle, a water supply conduit therefor, a perforated soap container positioned above said nozzle, a handle for manipulating said nozzle and said container and means for adjusting said soap container into and out of the path of the water flowing from said nozzle.

3. In a device of the character stated, a tubular member having a nozzle with integral bifurcations at the front, outlet end thereof and having its rear end adapted to be connected to a water supply, a supporting bracket secured to said tubular member, a perforated soap container pivotally carried by said bracket and adapted to be turned towards and away from said nozzle and a

handle common to said tubular member and said container for manually manipulating the same.

4. In a device of the character stated, a tubular member having a nozzle provided with rigid, integral bifurcations at the front, outlet end thereof, and having its rear end adapted to be connected to a water supply, a supporting bracket secured to said tubular member, a perforated soap container pivotally mounted on said bracket, a handle mem-

ber rigidly secured to said bracket whereby said tubular member and said container may be manipulated, and means for adjusting said container forwardly into and rearwardly out of the path of the water flowing from said nozzle, the front portions of said nozzle and handle support serving to limit the forward and rearward adjustments of said soap container. 15

FRANCIS M. KING, Sr.