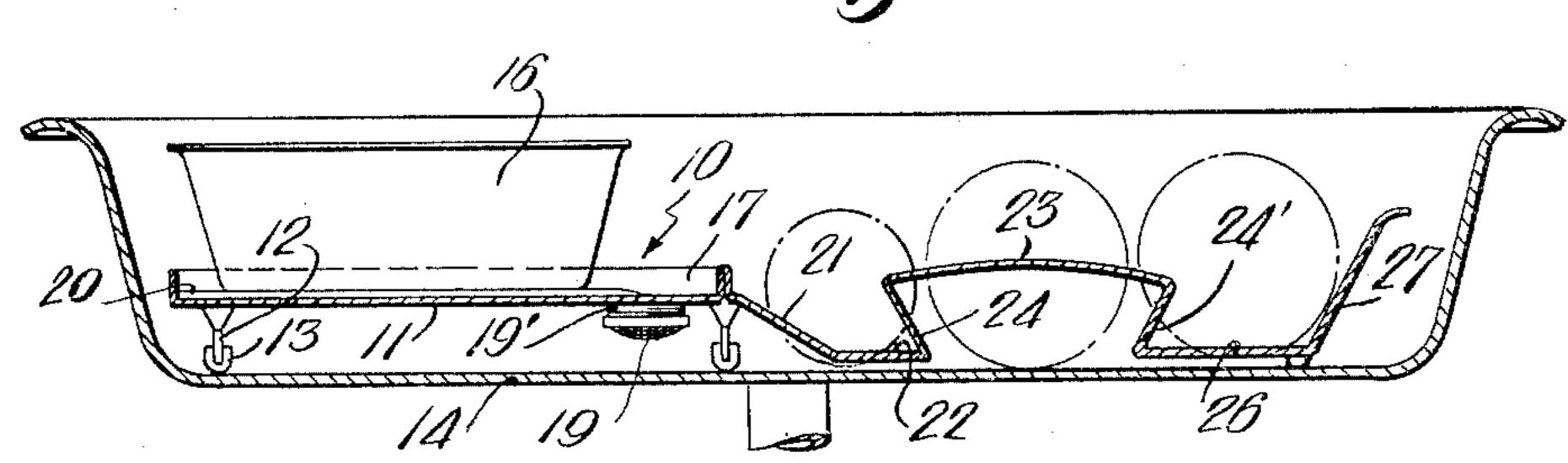
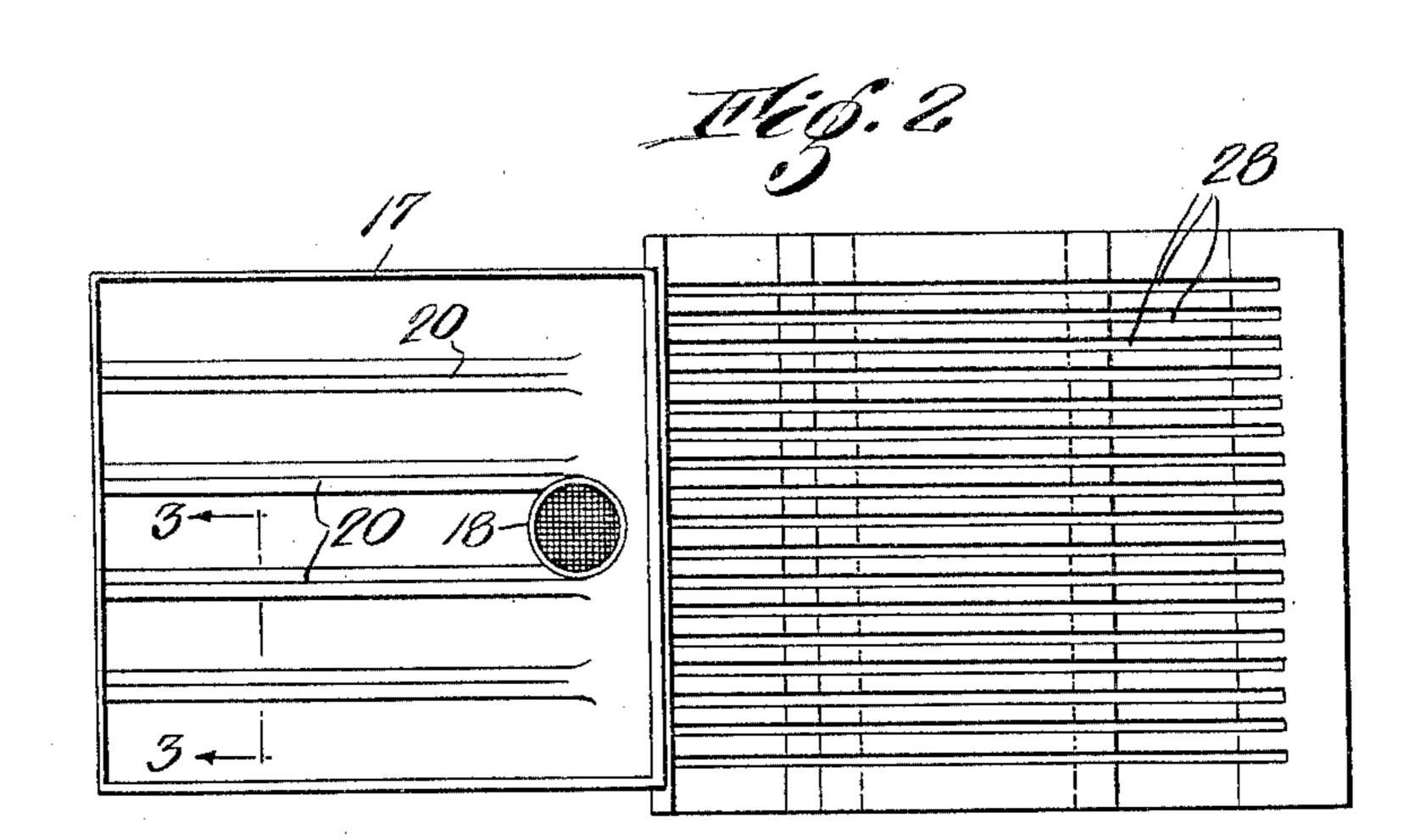
N. I. DE BIE

DISHWASHING APPARATUS

Filed Nov. 22, 1930







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UNITED STATES PATENT OFFICE

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DISHWASHING APPARATUS

Application filed November 22, 1930. Serial No. 497,375.

This invention relates to apparatus for washing water as it is discharged into a sink 5 kitchen utensils and that miscellany of re-spaced substantially vertical positions and 55 10 used herein is intended to include items of few parts which are inexpensive to manu- 60

this general class.

15 removed from the dishes in the process of and relative arrangement of parts. washing remain in the washing water and In the drawing: when the water is emptied into the sink, Fig. 1 is a central longitudinal section together and removed from the usual sink disposed in a sink; 20 strainer by hand, a process which is not by Fig. 2 is a top plan-view of the combined 70 any means agreeable, while on the other stand and rack shown in Fig. 1; and hand, if the sink strainer be removed, and the particles washed down the pipe, they are 25 in the plumbing associated with a sink or other fixture in which this water may be discharged.

50 providing improved means for straining the bottom member 11 in registry with the open- 100

use in washing objects which may be of or other receptacle connected with the various sizes and shapes, such as pieces of plumbing; to provide improved means for china, glassware, and the like, table silver, supporting relatively flat pieces in closely lated articles which are useful in the prepa-yet out of the normal path of other articles ration and serving of food and which are being removed from the pan; to provide apcommonly referred to as dishes. It will be paratus of this character of simple and effiunderstood therefore that the term dishes as cient construction consisting of relatively facture and which will not damage a porce-When articles of this character are washed lain lined or other finely finished sink; and manually in the usual manner, as in a dish also to provide apparatus of the class depan or like receptacle, the particles of food scribed having an improved construction

these particles must be brushed or scraped through a combined stand and drainage rack

Fig. 3 is a section along the line 3-3 of Fig. 2.

liable to clog or at least to restrict the flow. The embodiment of the invention chosen for illustration, is in the form of a platform 75 or stand 10 comprising a substantially horizontally disposed bottom member 11 which It is customary to provide racks for sup- is equipped with supporting legs 12, the latporting washed dishes in suitably spaced ter preferably being fitted with rubber pads 30 upright or inclined positions to facilitate or feet 13 to prevent slipping as well as to 80 drainage thereof before drying. To exper prevent scratching or marring of a fixture dite drainage and ease in drying, as well as such as the sink 14 in which this apparatus to provide a maximum storage capacity for may conveniently be disposed. The bottom a given space, the relatively flat articles, member 11 may have any suitable configura-35 such as plates, saucers, platters and the like tion adapted to receive and support a reshould be supported in substantially verti- ceptacle such as the dishpan 16, but prefercal positions. However, when this is done ably this bottom member 11 is substantially with apparatus commonly provided for this rectangular. A vertically disposed waterpurpose the larger pieces project to such a retaining wall 17 projects upwardly from 40 height as to make it necessary to raise each the edges or periphery of the top member 96 article after it is washed not only over the and preferably extends substantially continside of the dishpan but to whatever addi- uously around the same. At any convenient tional elevation may be required to clear point within the space enclosed by the water other articles standing in a rack for exam-retaining wall 17 the bottom member 11 is 45 ple. This tends to fatigue a person doing provided with a discharge orifice or opening 95 this work and not infrequently results in 18. A cap or strainer 19 having a perfodamage to articles drained in this manner. rated or foraminous bottom is removably Objects of the present invention are to secured by means of a screw-threaded or provide for overcoming these difficulties by other connection 19' to the under side of the

ing 18 for straining water passing through moved, is merely carried over the edge of the latter.

The bottom member 11 is also formed with plated that the direction or courses of these ridges toward the drain 18 may be varied it is sometimes advantageous from a manu-

to extend in substantially parallel relation

across the top member as shown.

Preferably the apparatus is of unitary construction, and is cast, bent, pressed, or otherwise formed to provide a rack portion having a part 21 extending laterally from the member 11 in integral continuation of a portion of the wall 17. This rack portion extends horizontally for a relatively short disdownwardly directed portion 24', another horizontal portion 26, and finally at the extreme end thereof extends upwardly and outwardly as indicated by the reference character 27. It will be seen therefore that as 30 viewed in section in Fig. 1 the drainage rack comprises the portion 21, the longituditions 22 and 26 and the intervening portion comprising the outwardly directed walls 24 and 24' and the curved or arched section 23, connecting these walls. Obviously this rack may be continued to any desired length by merely continuing the formation illustrated. For supporting dishes in substantially up-40 right relatively closely spaced positions, this rack is provided with a series of substantially parallel longitudinally disposed slots 28 which extend from a position in close proximity to the water retaining wall 17 to ap-45 proximately the extreme outer or free end of the rack.

One manner of using the improved stand or rack is illustrated in Fig. 1 from which it will be seen that a dishpan may be dis-50 posed on the bottom member 11 to rest on the ridges 20 which, in addition to giving strength and rigidity to the top member port along which even a heavy pan filled 55 with water and dishes may easily be moved to a position suitable to the user. The parts are preferably so proportioned that the pan is supported above the drainage rack at such an elevation as to make it possible to remove 60 dishes from the pan and place them in the rack, when other dishes are already disposed in this rack, without raising a dish being removed to a greater elevation than that required to lift this dish over the edge of the 65 pan. In other words, each dish, as it is re-

the pan and then moved downwardly, thus requiring a minimum of effort on the part a number of stiffening ridges or corrugations of the person doing this work. The slots ⁵ 20 which are spaced to separate the top 28 are conveniently disposed adjacent to the 70 member into zones. While it is contem- stand 10 to receive the dishes as they are removed. After the washing operation has been completed, or at least whenever it is desirable to discharge water from the pan 10 facturing point of view to form these ridges 16, this water may be poured onto the bot- 75 tom member 11 of the stand from which it is discharged through the drain 19 into the sink and thence into the plumbing associated with this fixture. To facilitate the flow of the water toward the drain 18, the ribs 20 80 may be discontinued near one side of the support 11, or at such other point or points as desired, so that the water may move transversely toward the drain. It will be evitance as indicated by the reference character dent that as the water passes through the 85 22, and from this point a part 24 extends strainer 19 the particles removed from the upwardly preferably to a level above that of dishes in washing will be caught by this the bottom member 11. From this point the strainer. The cap or strainer 19 may then rack extends in an arcuate portion 23 to a be removed and the solid material collected therein may be dumped into a suitable con- 90 tainer, thus avoiding the usual operation of cleaning the sink strainer subsequent to dish washing.

It should be understood that the present disclosure is for the purpose of illustration 95 only, and that the invention is not to be nally spaced substantially horizontal por- limited to the exact sizes, shapes or relative widths or depths of the constituent elements but includes all modifications and equivalents which fall within the scope of 100

the appended claims.

I claim:

1. A portable kitchen utensil adapted to be set in a sink, said utensil comprising spaced supporting elements adapted to rest 105 upon the sink bottom, a bottom member held in elevated position above the sink bottom by said supporting elements, the bottom member having an upstanding peripheral wall adapted to retain dish water, the bottom 110 member also having a plurality of stiffening ribs and a drainage opening so disposed that water may flow freely over the surface of the bottom member toward said opening, a removable strainer device registering with 115 said opening and disposed beneath the bottom member, and, in integral continuation provide a sort of track or line-contact sup- of said peripheral wall, a part having an upwardly arched and slotted portion for positioning dishes while draining.

2. A portable kitchen utensil having cushioned supports adapted to rest upon the bottom of a sink, a substantially rectangular bottom member held in elevated position by said supports, retaining walls extending up- 125 wardly from said bottom member thereby to form with the latter a water retaining receptacle, the bottom member having a drainage opening and upstanding stiffening ribs so disposed as to permit free flow of wa- 130

ter toward the drainage opening, a removable strainer cap registering with said opening and disposed below said bottom member, and, in integral continuation of one of said retaining walls, a member having a slotted portion constituting a rack for dishes to be drained.

Signed by me at Boston, Massachusetts, this 20th day of November, 1930.

NAOMI I. DE BIE.