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C. BARRIE

2,159,365

PLATE BASKET FOR COLLECTIVE DISHWASHING

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Fig. 1

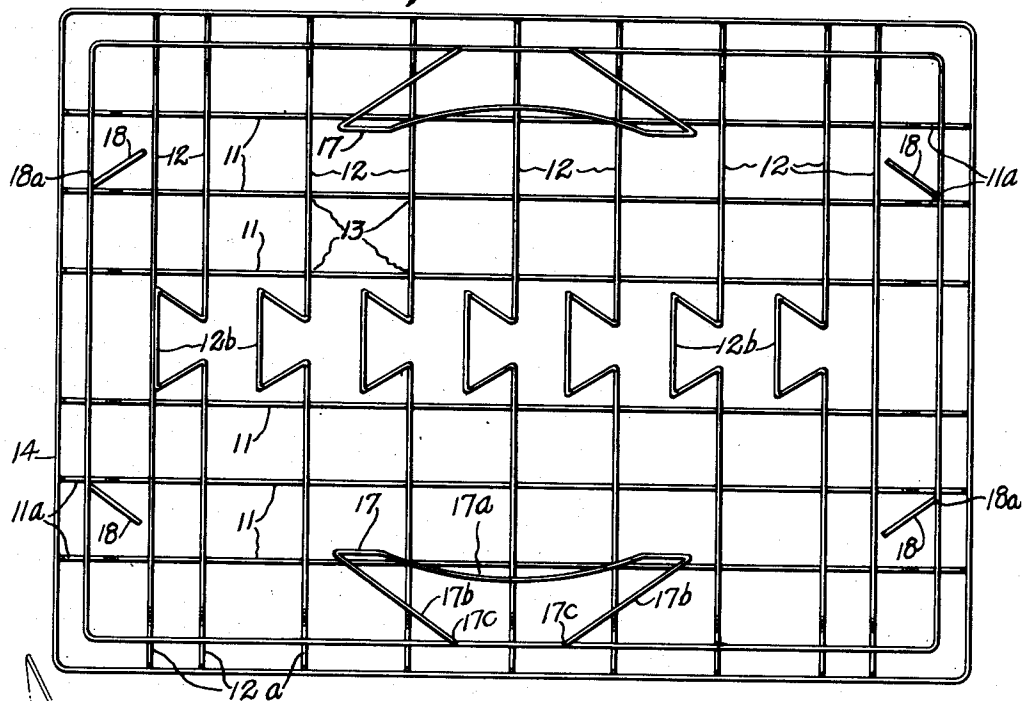


Fig. 2

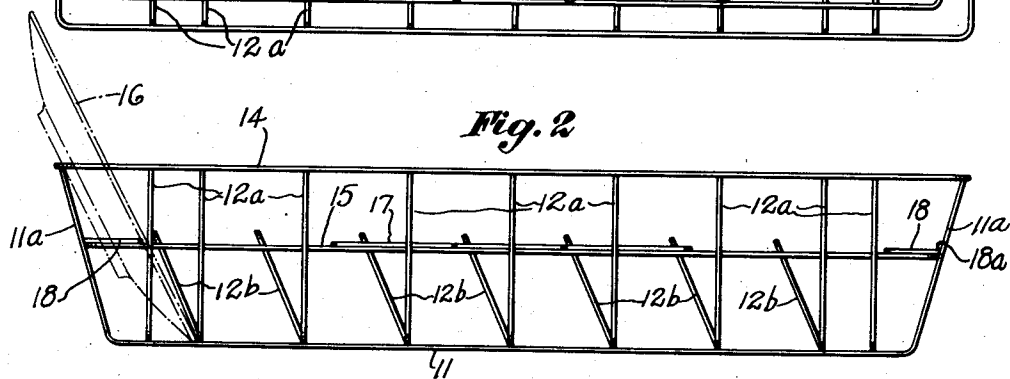


Fig. 3

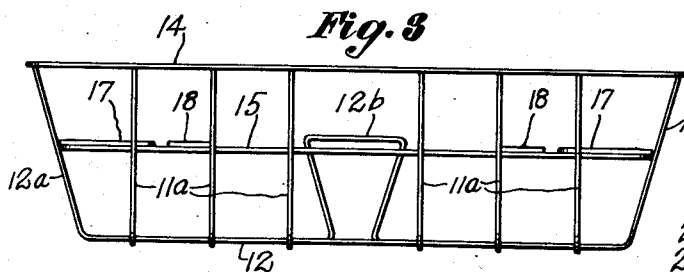
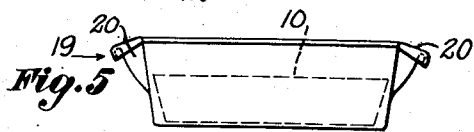
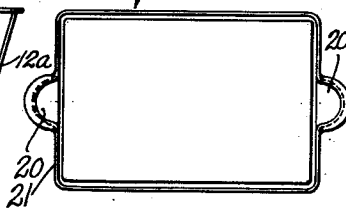


Fig. 4



INVENTOR.
Catherine Barrie
BY
H. Schumacher
ATTORNEY.

UNITED STATES PATENT OFFICE

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PLATE BASKET FOR COLLECTIVE DISH-WASHING

Catherine Barrie, Cold Spring Harbor, N. Y.

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4 Claims. (Cl. 141-9)

This invention relates to devices for the collective washing of dishes and has particular reference to manually operated devices of this character intended for plates.

One object of the invention is to provide a device of the character described having a wire basket and a basin in improved association with each other for the collective washing of dishes.

Another object of the invention is to furnish a device of the nature set forth for holding dishes, such as plates, in upright position, in a secure manner and with a maximum of compactness, for the collective washing of dishes.

A further object of the invention is the provision of a device of the type mentioned having relatively few and simple parts, and which is inexpensive to manufacture, neat, compact, durable, reliable, convenient and efficient in use.

Other objects and advantages of the invention will become apparent as the specification proceeds.

With the aforesaid objects in view, the invention consists in the novel combinations and arrangements of parts hereinafter described in their preferred embodiments, pointed out in the subjoined claims, and illustrated in the annexed drawing, wherein like parts are designated by the same reference characters throughout the several views.

In the drawing:

Figure 1 is a plan view showing a device embodying the invention.

Fig. 2 is a view in side elevation thereof.

Fig. 3 is a view in end elevation thereof.

Fig. 4 is a plan view of the basin.

Fig. 5 is a view in side elevation thereof with the basket of Fig. 1 shown in dotted lines therein.

The advantages of the invention as here outlined are best realized when all of its features and instrumentalities are combined in one and the same structure, but, useful devices may be produced embodying less than the whole.

It will be obvious to those skilled in the art to which the invention appertains, that the same may be incorporated in several different constructions. The accompanying drawing, therefore, is submitted merely as showing the preferred exemplification of the invention.

Referring in detail to the drawing, 10 denotes a device embodying the invention. The same may include a foraminous or reticulated basket, as of wire or like elongated elements, suitably fastened or interconnected, for instance, by soldering, welding or the like.

The container or basket 10 may comprise a base portion consisting of a series of longitudinal spaced wire elements 11, and a series of transverse spaced wire elements 12, secured together at their points of intersection as at 13.

To form the side and end walls of the basket, the wires 11, 12 may be upwardly bent at their opposite ends to form upwardly and outwardly inclined portions 11a, 12a respectively, these being interconnected by a rim wire 14, and by a lower like wire 15 of smaller size.

The cross wires 12 have suitable dish holding and separating means, such as loop elements 12b formed integrally with the wires, and of generally dovetail shape. These holder portions 12b are disposed along a central row longitudinally of the basket, and are all inclined toward one end of the basket, at an angle generally like that of the basket end wall. The spacing of the wires 12 may be such as to render the holder portions 12b effective for their intended purpose, and so that one plate 16 may rest against an end wall, with its lower portion abutting the adjacent holder portion 12b, as shown in Fig. 2, and the remaining plates disposed in generally like manner. For example, a lower part of an upright plate may abut a holder 12b, and an upper part of the plate may rest against a rear holder 12b, or against a plate to the rear thereof. Of course the holders 12b may be made of any desired height to suit, for any required supporting of the plates.

To provide means for holding two bread and butter plates in upright position, I may provide wires such as 17 of generally loop form for receiving the plates therein, these wires lying horizontally at the sides of basket 10 in central alignment with the latter. For instance, each wire 17 may have an inwardly concaved portion 17a for fitting into the plate, and sides 17b that converge toward each other and are secured at their ends at 17c to the wire 15.

To provide for the holding of four more bread and butter plates, short sections of wire 18 are secured at 18a to the wire 15, from which they extend horizontally. These lug or clip-like elements 18 are disposed at opposite ends of the holder 17, generally parallel to the sides 17b and affording plate receiving openings. Plates in upright position are inserted back of the sections 17b and in front of the sections 18 to lie upright, diagonally of the corners of the basket.

The arrangement of the elements 17, 18 is such that plates held thereby will not interfere with the disposition of plates for engagement by the holders 12b. In other words, plates held at

17, 18 lie generally along the sides of the basket, while the plates at the holders 12b extend crosswise between such plates. The center plates may be placed first, and then the sides plates.

5 To wash the plates collectively, the basket 10 may be placed in a basin 19 which fits the basket rather closely and is of sufficient depth to cause full immersion of the plates. Since the basket is generally rectangular, the basin 19 is of like
10 shape. Because the basket is as large as allowed by a basin of relatively standard size, it is difficult to grasp and remove the basket filled with dishes, particularly as the basket lies within the lower part of the basin. Hence I provide central
15 recessed portions 20 in the end walls 21, of sufficient size to permit insertion of the hands, and of sufficient depth to just permit the hands to grasp the top wire 14 of the basket. To lift the basin, the upper edges at 20 may be outwardly
20 bent to provide hand holds.

The plates may be rinsed in the basin, as with the aid of a mop, and while held in the basket. Then the latter may be withdrawn and set down to permit the hot water to drain from the dishes.
25 When the dishes are dry, the basket with the dishes as originally placed therein, may be stored away for later use. The operator need at no time insert her hands in dish water to wash the dishes.

I claim:

30 1. A device for the collective washing of plates, including a wire basket having spaced parallel wires each forming a loop of generally inverted U-shape, the different loops being parallel and sloping and lying in a single row intermediate
35 of the side walls of the basket, said wires each having continuously straight portions extending integrally from the ends of the loops in opposite direction to the side walls of said basket so that the bottom of said basket is plane except

for said loop portions to thus facilitate the washing of the basket, and means for holding plates at the corners of said basket, said means being located wholly above the bottom thereof and including interrupted elements connected to the
5 basket and extending obliquely of a corner thereof to thus hold a plate upright across a corner of the basket.

2. A device for the collective washing of plates including a wire basket, a plate receiving loop
10 shaped wire element connected to a side wall of the basket and extending generally horizontally intermediate of the end walls of the basket, said loop element having arms converging with respect to each other toward said side wall of the
15 basket, and extensions on the end walls of the basket projecting toward said arms and being generally parallel therewith so that plates can be held in the adjacent corners of said basket by
20 said arms and said extensions.

3. A device for the collective washing of plates including a rectangular wire basket, the same having means spaced from the side walls thereof for holding plates in upright position in a row,
25 and means for holding plates upright in the corner portions of the basket, including spaced extensions on the side and end walls thereof lying horizontally along lines oblique to their respective corner portions, a pair of said extensions serving to hold a plate within a corner
30 portion of the basket.

4. A device for the collective washing of plates including a reticulated basket, plate holding loops having convergent arms secured at their inner
35 ends to the side walls of the basket, and finger elements connected to the end walls so as to extend in generally parallel spaced relation to said arms.

CATHERINE BARRIE.