

Dec. 23, 1952

A. M. VON BRÖMSEN, JR

2,622,757

BASKET FOR DISH-WASHING MACHINES

Filed Sept. 20, 1948

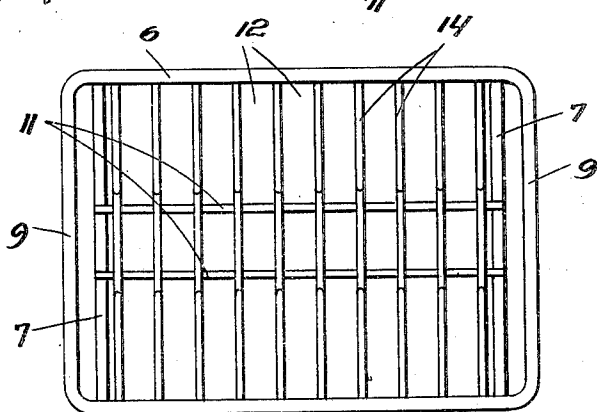
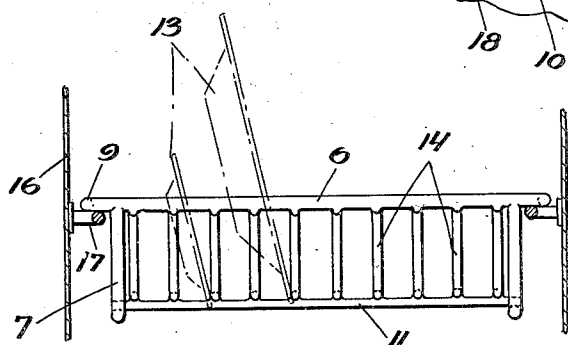
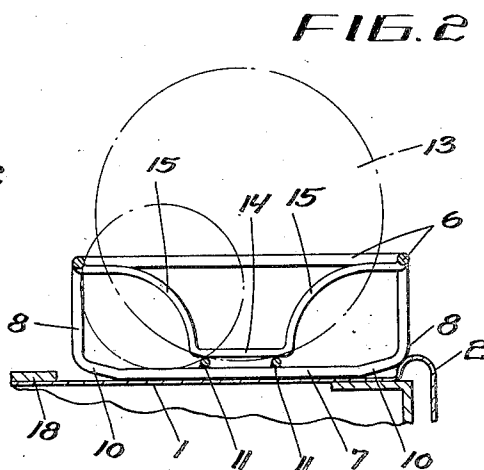
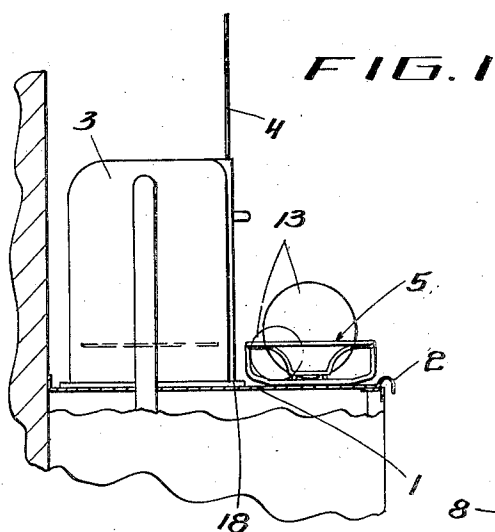


FIG. 4

Inventor:
A. M. von Brömsen, Jr.
By
C. A. R. Nydahl
(Attorney)
by E. F. Skinderoth atty

UNITED STATES PATENT OFFICE

2,622,757

BASKET FOR DISH-WASHING MACHINES

Adolph Magnus Von Brömssen, Jr., deceased, late of Stureby, Sweden, by Claes Axel Robert Nydahl, administrator, Stockholm, Sweden, assignor to Ingeniorsfirman Adolph Von Brömssen A B, Stockholm, Sweden, a corporation of Sweden

Application September 20, 1948, Serial No. 50,184

3 Claims. (Cl. 220—19)

1

2

This invention relates to dish washing machines of the type in which the wash chamber is arranged on a sink so as to leave space enough for the basket for receiving the articles to be washed, to be placed on the sink in front of the wash chamber, and in which the remaining parts of the dish washing machine, such as the motor, the pump and the water tank, are disposed below the sink.

More particularly the invention relates to baskets for such dish washing machines and of the type consisting of wire material and provided with a number of adjacent compartments for plates and the like.

The object of the invention is to provide a new type of basket of the kind mentioned by which an improved washing result is attained by enabling big plates and small plates and saucers, when positioned in the compartments of the basket, to occupy substantially the same inclined position, whereby they do not cover each other or prevent the water jets from hitting the articles to be washed.

To this end, according to certain features of this invention, there is provided a basket for receiving the articles to be washed in a dish washing machine and having a frame work formed into separate compartments and comprising a frame, U-shaped supporting members fixed to said frame at the upper ends of their upwardly directed legs, compartment separating members also in the form of U-shaped members, the legs of said U-shaped compartment separating members being arched upwardly and outwardly, the outer ends thereof being fixed to said frame, and the lower portions of said last-mentioned U-shaped members being fixed to said U-shaped supporting members.

The basket is preferably so dimensioned that only one single row of plates can be received therein.

Owing to this special formation of the dish washing basket a superior washing result is attained.

One embodiment of the invention will be elucidated more in detail, reference being had to the accompanying drawings, in which:

Fig. 1 shows a cross section through a sink with a wash chamber arranged thereon and a dish washing basket according to the invention placed in front thereof.

Fig. 2 on a larger scale shows a vertical section through the basket and the front edge of the sink.

Fig. 3 shows a vertical section through one end wall of the wash chamber and a side view of the basket.

Fig. 4 shows a plan view of the basket.

Referring to the drawings, a wash chamber 3 of a dish washing machine is arranged on a sink

1 which is provided at its front edge with a longitudinal bead 2. The other details of the dish washing machine are not shown. On the front side of the wash chamber there is arranged a vertically displaceable door 4 covering an aperture through which a dish washing basket 5 may be inserted. As is evident from Fig. 1, the dimensions are such that the dish washing basket may be placed longitudinally of the sink 2 along the front edge thereof.

The basket which is made of wire material comprises a rectangular frame 6 and two U-shaped supporting members 7 which at the upper ends of their upwardly directed legs 8 are welded to the side portions of the frame spaced from the end portions 9 of the frame. The horizontal portions of the supporting members 7 are given the form of runners with inclined and well rounded-off portions 10 adjacent the legs 8. Two slightly spaced longitudinal rods 11 are at their ends welded to the runners. The compartments 12 for receiving the articles 13 to be washed are separated by U-shaped members 14, the legs 15 of which are arched upwardly and inwardly and are at their outer ends fixed to side portions of the frame 6. The U-shaped members 14 are at their lower portions welded to the rods 11.

On account of the special formation of the legs 15 of the U-shaped members 14, small saucers as well as plates of ordinary size will occupy substantially the same inclined position, as is seen from Fig. 3. The small saucers will thereby rest against one longitudinal member of the frame, one leg 15 and one rod 11. The plates rest only against the legs 15 and the rods 11.

The end portions 9 of the frame project slightly outward from the U-shaped supporting members 7 and serve as supports for the basket when it is inserted in the wash chamber. In said chamber the end portions 9 each rest on a bracket 17 projecting into the wash chamber from one side wall 16 thereof. Due to the upwardly bent portions 10 of the supporting members 7 the basket, when inserted in the wash chamber, will easily slide over mounting member 18 (Figs. 1 and 2) for the wash chamber 3, which may be provided on the sink 1. When being removed from the wash chamber, the basket will slide gently onto the bead 2 so that no shocks are produced, and thus damage to the articles having been washed is effectively prevented.

I claim:

1. A basket for receiving articles to be washed in the wash chamber of a dish washing machine, said basket being divided into a plurality of adjacent compartments for receiving said articles, said basket comprising a rectangular frame, U-shaped supporting members having the upper ends of their upwardly directed legs fixed to said frame at points disposed inwardly from the end

3

portions of said frame, said frame extending beyond said supporting members to serve as supports for said basket when inserted in said wash chamber, the lower portions of said supporting members having the shape of runners with rounded-off portions adjacent said legs, compartment separating members also in the form of U-shaped members, the legs of said last-mentioned members being spaced inwardly from the sides of the basket, arched upwardly and inwardly and at their outer ends fixed to said frame, longitudinal members fixed to the upper sides of the runner-shaped lower portions of said supporting members and the lower sides of the lower portions of said last-mentioned U-shaped members being rigidly connected to the top side of said longitudinal members.

2. A basket for receiving articles to be washed in the wash chamber of a dish washing machine, said basket being divided into a plurality of adjacent compartments for receiving said articles, said basket comprising a rectangular frame, U-shaped supporting members having the upper ends of their upwardly directed legs fixed to said frame at points disposed inwardly from the end portions of said frame, said frame extending beyond said supporting members to serve as supports for said basket when inserted in said wash chamber, the lower portions of said supporting members having the shape of runners with rounded-off portions adjacent said legs, compartment separating members also in the form of U-shaped members, the legs of said last-mentioned members being spaced inwardly from the sides of the basket, arched upwardly and inwardly and at their outer ends being fixed to said frame, and rod means secured in spaced relation between said supporting members to the upper sides of the runner-shaped lower portions thereof, the lower side of the lower portions of said arched U-shaped members being fixed to the top side of said rod means.

3. A basket for receiving articles to be washed in the wash chamber of a dish washing machine, said basket being divided into a plurality of adjacent compartments for receiving said articles,

4

said basket comprising a rectangular frame, U-shaped supporting members having the upper ends of their upwardly directed legs fixed to said frame at points disposed inwardly from the end portions of said frame, said frame extending beyond said supporting members to serve as supports for said basket when inserted in said wash chamber, the lower portions of said supporting members having the shape of runners with rounded-off portions adjacent said legs, compartment separating members also in the form of U-shaped members, the legs of said last-mentioned members being spaced inwardly from the sides of the basket, arched upwardly and inwardly and at their outer ends being fixed to said frame, longitudinal members fixed to the upper sides of the runner-shaped lower portions of said supporting members and the lower side of the lower portions of said last-mentioned U-shaped members being rigidly connected with said longitudinal members, said supporting runner members and said compartment separating members being arranged parallel with each other.

CLAES AXEL ROBERT NYDAHL,

25 *Administrator of the Estate of Adolph Magnus Von Brömssen, Jr., Deceased.*

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,384,582	Wills	July 12, 1921
1,939,504	Lee	Dec. 12, 1933
1,952,457	Painter	Mar. 27, 1934
2,136,558	Manshel	Nov. 15, 1938
2,190,065	Griffin	Feb. 13, 1940
2,292,055	Collins et al.	Aug. 4, 1942
2,293,966	Best	Aug. 25, 1942
2,433,823	Lindeblad	Dec. 30, 1947
2,479,118	Jonness	Aug. 16, 1949

FOREIGN PATENTS

Number	Country	Date
591,552	Great Britain	Aug. 21, 1947