

No. 817,120.

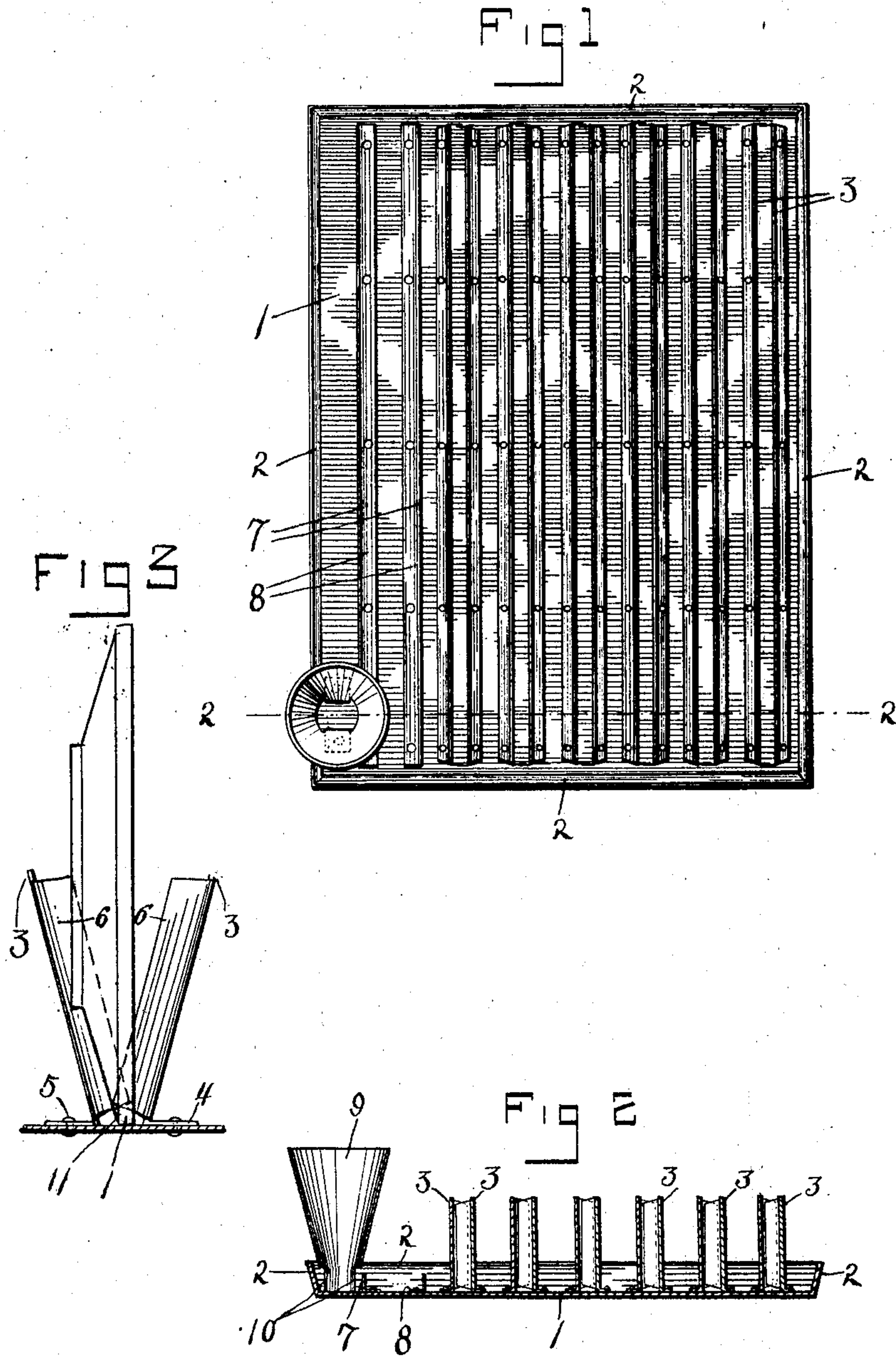
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PATENTED APR. 3, 1906.

A. S. KING.

DISH DRYING DEVICE.

APPLICATION FILED SEPT. 13, 1905.



Witnesses
Edwin Lewis
W. Whipple

Inventor
A. S. King
By Shepherd & Parker
Attorneys

UNITED STATES PATENT OFFICE.

ASBURY S. KING, OF LANCASTER, PENNSYLVANIA.

DISH-DRYING DEVICE.

No. 817,120.

Specification of Letters Patent.

Patented April 3, 1906.

Application filed September 13, 1905. Serial No. 278,269.

To all whom it may concern:

Be it known that I, ASBURY S. KING, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Dish-Drying Devices, of which the following is a specification.

My invention relates to dish-drying devices.

The object of the invention is the provision of a device for this purpose which will be cheap in cost, bringing it within the reach of households of moderate means, compact and durable in construction and arrangements of its parts, its compactness requiring only a minimum amount of space in storing, and its construction and arrangement insuring efficiency in the purpose for which it is intended.

The invention consists, essentially, of a tray or pan, preferably of metal and provided with turned-up sides. Secured to the bottom of the tray and running lengthwise I provide bars, located in pairs, for the reception of dishes or plates. Provision is also made for the drying of cups, and further provision is also furnished for the reception and drying of knives, forks, spoons, &c.

In the accompanying drawings I have illustrated one example of the physical embodiment of my invention constructed according to the best mode I have so far devised for the practical application of the invention.

Figure 1 is a plan view of a device illustrating the novel features of the invention. Fig. 2 is a transverse sectional view on line 2-2, Fig. 1; and Fig. 3 is a broken enlarged detail sectional view of the bottom of the tray, showing the retaining-bars in the position they assume when a plate or dish is located therebetween while drying.

In the embodiment of my invention I provide the rectangular tray with the usual bottom portion 1 and the four turned-up sides 2-2-2-2, the tray and its sides preferably being integral to avoid seams in its construction, which would tend to accumulate dirt or sediment thereabout. The sides of the tray extend upwardly a suitable distance to prevent the escape of water therefrom. Within the tray and secured to the bottom thereof, and preferably running lengthwise, I locate in pairs a series of flat bars, as 3, having flanges, as 4, which are secured by rivets 5 to the bottom of the tray. As before stated, these bars

outer ends are turned in toward each other, forming end flanges 6-6, and between these flanges and the adjacent bars of a pair a compartment is formed for the reception of dishes, plates, &c. In Fig. 2 the pairs of bars are shown in the position they assume before a dish or dishes have been inserted therebetween. In Fig. 3 the elasticity of the bars is illustrated. At the junction of the bars and flanges 5 the metal is elastic or made to spring. Thus when a dish or plate is inserted between the bars said bars will be forced outwardly at their top ends, and the tension of the spring portion of the bars will cause them to bear against the dish or plate and hold it rigidly, the end flanges 6 of the bars overlapping and practically closing the ends of the compartment against the escape of dishes or plates. For the reception of cups and similar receptacles I provide two bars 7-7, situated a sufficient distance apart to accommodate articles of this character and secured to the bottom of the tray by rivets passing through the flanges 8 and the bottom 1 of the tray or pan. The bars are of sufficient height to permit the cups to drain the dish-water therefrom to the tray.

The inverted-cone-shaped receptacle 9, preferably located in one corner of the tray or pan, is for the reception of knives, forks, spoons, &c. This cone or funnel shaped device is suitably secured to the bottom of the tray and provided at its lower end with two openings 10-10 therein for the escape of water draining from the knives, forks, or spoons while drying.

In use after the dishes or plates are washed they are inserted between the bars forming the pairs in the series. The spring action of the bars holds the plates in place, and as they are held in an upright position, or on end, they will be drained off rapidly and dry quickly, the water draining therefrom falling to the bottom of the tray and escaping through the orifices 11, formed by the flanges 6, (when the bars are opened.) The cups are placed, preferably upside down, across the tops of the bars 7, and the knives, forks, and spoons are inserted in the funnel-shaped receptacle 9, and in this both the cups and knives and forks, &c., will dry rapidly, the water draining therefrom passing to the bottom of the tray. After the several articles have been drained and thoroughly dried they are taken from the device, and the same may

be lifted bodily by hand and emptied of the drained water and left to dry.

From the above description, taken in connection with the drawings, it will be evident
5 that I have produced a device as set forth which will perform the functions and fulfil the purposes as disclosed in the objects of my invention.

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

1. In a device of the character described, the combination with a tray, of a plurality of spring-bars arranged in pairs and secured to
15 said tray, said bars having flanges located at the ends thereof which form closures for the

ends of the compartments formed between said bars.

2. In a device of the character described, the combination with a tray, of a plurality of 20 bars having horizontal flanges secured to said tray and having upstanding spring portions adapted to receive dishes therebetween, said bars having flanges located at the ends thereof which close the ends of the compartments 25 formed between said bars.

In testimony whereof I affix my signature in presence of two witnesses.

ASBURY S. KING.

Witnesses:

ADAM M. KLUGH

ADAM DELLET.