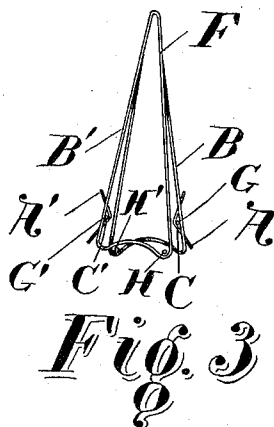
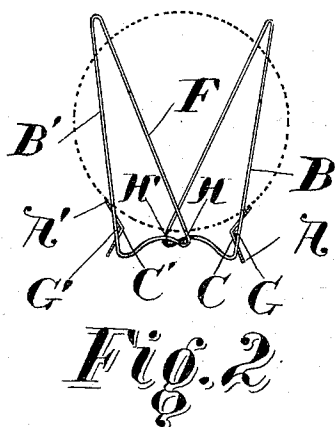
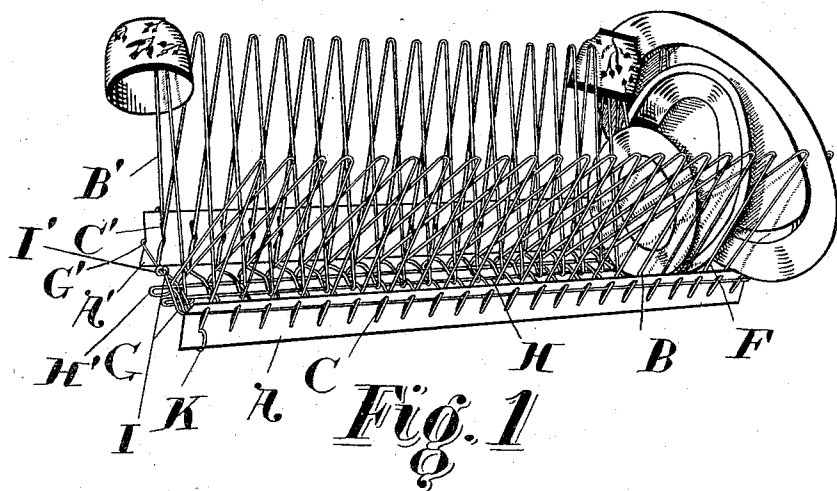


(No Model.)

C. N. JOHNSON.
DISH DRAINER.

No. 542,734.

Patented July 16, 1895.



Witnesses.
L. H. Langdon
J. W. Denny

Inventor.
Chas. N. Johnson.
by his Attys Kincaid & Co.

UNITED STATES PATENT OFFICE.

CHARLES N. JOHNSON, OF SAN FRANCISCO, CALIFORNIA.

DISH-DRAINER.

SPECIFICATION forming part of Letters Patent No. 542,734, dated July 16, 1895.

Application filed January 31, 1895. Serial No. 536,850. (No model.)

To all whom it may concern:

Be it known that I, CHARLES N. JOHNSON, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented certain new and useful Improvements in Dish Drainers and Driers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain improvements in that class of devices employed to facilitate the drying or draining of dishes, and is designed especially for its simplicity, compactness, and cheapness of construction and adaptableness to all sizes and forms of dishes, cups, and other similar articles. An advantage consequent to its novel construction and by no means of minor importance is its capability of being folded or closed into a compact or portable position when not in use.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

In the accompanying drawings, which form a part of this specification, I have clearly illustrated the invention, and in the several views have employed like letters of reference to designate like parts.

Figure 1 is a perspective view of my invention, with several dishes of various sizes positioned thereon. Fig. 2 is a transverse central section of the device. Fig. 3 is a transverse section showing opposite members folded together.

The herein-described dish drier and drainer consists, essentially, of parallel inflexible strips of metal A A', which form the foundation of the drier, and a series of upwardly-extending culminating wire arms or fingers B B', secured to said metal strips A A' and between which dishes or other similar-shaped articles are adapted to be held in an edgewise or vertical position.

The oblong strips A A', which are preferably made of galvanized iron or other suitable light and non-corrosive metal, are punched or perforated with a series of equidistant parallel slots C C', while the longitudinal parallel edges of each strip are bent

slightly outward to form an inner convexed surface, which besides rendering the strips inflexible accomplish another object, which I will explain hereinafter. Extending upward from each of these metal strips A A' is the series of fingers or arms B B', which are formed of a continuous wire F, bent into a series of similar adjoining triangles, the base or shorter side of each of which is concaved. The outer vertical side of each of these triangles enters one of the slots C in the strip A and is held therein by the wire G, the concavity of the strip being sufficient to permit this threading of the wires G G'. These similar metal strips A A' being thus connected, respectively, to the triangles B B', similar vertices of opposite triangles are slightly overlapped and the wires H H' are threaded in a parallel position above the base-wire of one triangle and below that of the adjoining triangle of the opposite series in such a manner that the opposite members of the drier are securely bound together, but at the same time permitted to be folded together into the position shown in Fig. 3.

In order to allow of the opposite members being folded together and at the same time afford a simple fastening for the wires G G', I have caused their extremities to be bent inward at right angles and looped, as at I I'.

As a means for preventing the slipping upward of the strips A A' on the triangles B B', I have bent the extremity K of the wire F upward and hooked it into one of the slots C.

Considering the flexible property of the wires composing the upwardly-projecting arms, it is manifest that their upper vertices are capable of springing apart to the accommodation of various sizes of dishes, and, further, that the inner vertices of the bases of the triangles are capable of considerable spreading apart or lateral movement on the parallel threaded wires H H'.

The construction and arrangement of the several parts of my dish drainer and drier being thus made known, the operation and advantages of the same will, it is thought, be readily understood.

Although I have constructed my drier with the prime object of economy in its manufacture without sacrificing any of its advantages, still I am aware that departure may be made

in the form of particular parts of this device, but still be within the spirit of my invention, and I therefore do not desire to confine myself to the exact construction of the details shown and described.

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

1. In a dish drier the combination of two
10 or more metal strips A A' and a series of arms or fingers secured to and extending upward from each strip, each series of fingers being formed of one continuous wire, and means for
15 securing said series of fingers together, substantially as set forth.

2. In a dish drier the combination of the metal parallel strips A A' and a series of arms or fingers secured to and extending upward from each of said strips, said fingers of each
20 series being formed of one continuous wire and means for securing said series of fingers together and at the same time permitting of their being folded together as set forth.

3. In a dish drier the combination of two
25 or more metal strips A A' having a series of parallel slots punched therein, and a series of triangular shaped arms extending upward

from each strip, each series of fingers being formed of one continuous wire, the lower base of each of said triangular arms being bent inward or concaved, said strips being so constructed as to permit of a portion of each of said triangular arms protruding through the slots therein and a wire G passing between said protruding portions and the outer surface of said strips, and means for securing said series of fingers together substantially as set forth.

4. In a dish drier the combination of two or more metal strips A A', having slots C C' and a series of triangular shaped arms B B' extending upward from and secured to each strip, and parallel wires H H' threaded between overlapping vertices of the opposite series of triangular arms whereby said series of fingers are secured together and at the same time permitted to fold together substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two witnesses.

CHAS. N. JOHNSON.

Witnesses:

HARRY J. LASK,
JOHN BRUCKMAN.