

(No Model.)

R. WOOD.
DISH DRAINER.

No. 542,912.

Patented July 16, 1895.

FIG. 1.

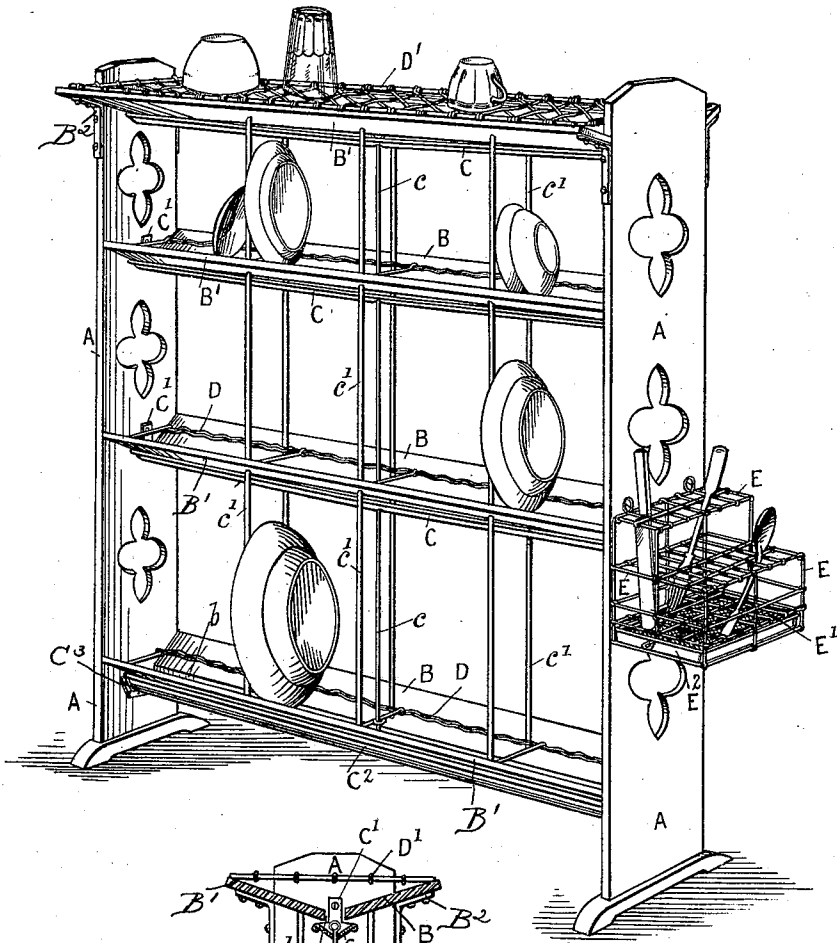
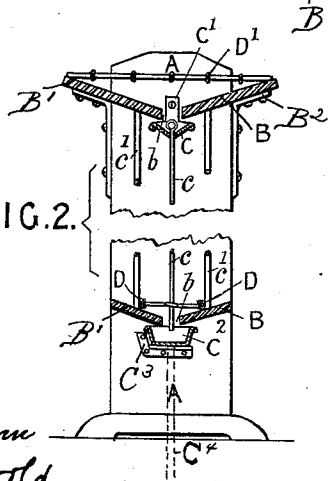


FIG. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

ROBINA WOOD, OF GLASGOW, SCOTLAND.

DISH-DRAINER.

SPECIFICATION forming part of Letters Patent No. 542,912, dated July 16, 1895.

Application filed January 22, 1895. Serial No. 535,788. (No model.) Patented in England May 24, 1894, No. 10,066.

To all whom it may concern:

Be it known that I, ROBINA WOOD, a subject of the Queen of Great Britain and Ireland, and a resident of Glasgow, Scotland, have invented certain Improvements in and Relating to the Drying of Dishes and the Like, (for which I have obtained a patent in Great Britain, dated May 24, 1894, No. 10,066,) of which the following is a specification.

This invention has reference to improvements in and relating to the drying of dishes and the like, and will be very suitable for hotels, restaurants, and kitchen use, and whereby the dishes, after being cleaned, will have the water drained away from them in an automatic manner.

The improvements essentially consist in forming an open draining-away dish-drier comprising vertical end standards, inclined dish-receiving shelves, liquid-receiving gutters, and an automatic draining-away vertical rod, an open-barred divisional frame being also provided in conjunction therewith for drying knives, forks, spoons, and the like.

In order that others skilled in the art to which my invention relates may understand how it may be carried into practice, I have hereunto appended an explanatory sheet of drawings, in which—

Figure 1 is a perspective elevation of the drying apparatus complete, and Fig. 2 is a detached transverse section showing broken away the upper and lower dish-receiving shelves and draining-away gutters and vertical rod.

Referring to the drawings, according to my improvements I erect two vertical end standards A at some distance apart, and between these standards I fit a series of transverse shelves at some distance apart. Each of these shelves consists of two parallel boards B B', secured at their ends to the end standards A and sloping at an angle downward toward the inner center, where an open space *b* would be left between them, and these shelves may be made portable for removal purposes. A gutter C would be fitted below the open center space *b* between the angled boards B B', being preferably screwed through straps C' to the end standards A, and these gutters C would be inclined to have a fall

from the end standards A toward their center, where a draining-away hole would be formed. An adjustable vertical rod *c* would pass up through all the center holes in the gutters C of the boards B B', so as to drain and carry the water down to the bottom gutter C², supported on a bracket C³, which gutters C² would be made portable, so as to be periodically removed for discharging the collected water from it or have an ordinary pipe connection, as indicated in dotted lines on Fig. 2 at C⁴, to a sink or other receptacle. A series of vertical rods *c'* would preferably pass up through all the boards B B' to strengthen the support of these. Horizontal rows of corrugated wire D would extend along each board toward their inner edges to receive the dishes, which would be set on edge over these for the water from them to drain away into the central gutter-receptacles.

The lower shelf would preferably receive dinner-plates, small "ashets," and the like; the second shelf, dessert-plates, corner dishes, and the like; the third shelf, saucers, tea or breakfast plates, and the like, and the fourth, which may be the top shelf, would preferably have a portable open screen D', of wirework, placed on top of it to receive cups, bowls, tumblers, and the like. In the drawings this top shelf is shown as being wider than the lower shelves, the boards B B' extending out beyond the end standards A and supported by brackets B². These dishes, after being washed, would be set on the boards B B' and would be dried by the water automatically draining off into the respective gutters and from these down the central vertical wire *c* to the lower receptacle C².

For drying knives, forks, teaspoons, and the like these may be placed vertically in an open-barred frame E, with divisions for each, and having a lower grating E' and removable tray E² to receive the drained-off water. This barred frame E would be located at the side of one of the end standards A.

What I claim is—

1. A dish drainer comprising, in combination, vertical end standards, inclined shelves, liquid receiving gutters provided each with a hole and a draining rod passing through the holes, substantially as set forth.

2. In dish drainers, the combination comprising vertical end standards, inclined shelves, corrugated wires on said shelves, liquid receiving gutters, each provided with a
5 hole, automatically draining away vertical rod passing through the holes in the gutters, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBINA WOOD.

Witnesses:

JOHN SIME,
R. C. THOMSON.