

E. McNEILL.
CLOTHES DRIER,
APPLICATION FILED SEPT. 13, 1921.

1,409,877.

Patented Mar. 14, 1922.

Fig. 1.

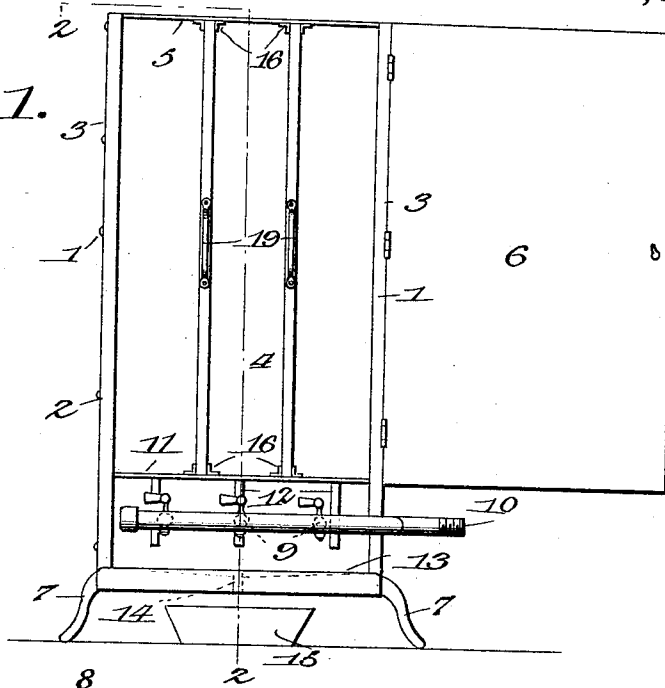
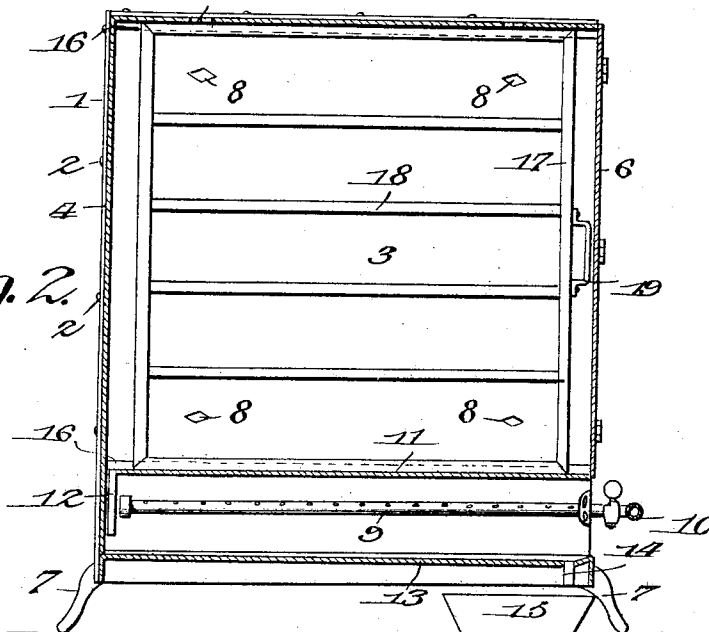


Fig. 2.



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Jewelry
WITNESS:

UNITED STATES PATENT OFFICE.

EDWARD McNEILL, OF NEW YORK, N. Y.

CLOTHES DRIER.

1,409,877.

Specification of Letters Patent.

Patented Mar. 14, 1922.

Application filed September 13, 1921. Serial No. 500,281.

To all whom it may concern:

Be it known that I, EDWARD McNEILL, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented new and useful Improvements in Clothes Driers, of which the following is a specification.

This invention relates to clothes driers and the principal object is to produce a device of this nature which may be compact enough for use in flats and small apartments.

Another object is to provide a device of this nature consisting of few parts, simple in construction, cheap to manufacture, and efficient for performing the work required of it.

Another object is to provide a device of this nature with simple and efficient means for catching and disposing of the superfluous water which may drip from the clothes in drying.

Other objects will appear in the following description and be particularly pointed out in the appended claims.

To this end the invention consists of certain novel construction and combination of parts which will now be set forth and which are fully illustrated in the accompanying drawing comprising one sheet, in which:—
Figure 1 is a front view of my improved clothes drier.

Figure 2 is a vertical sectional view on line 2—2 of Figure 1.

Like characters of reference refer to like parts in both views.

This invention contemplates the providing of a device for drying clothes which consists of a metal cabinet having a gas burner below a metal floor plate and provided with one or more slides having slats adapted to hold the clothes to be dried.

Referring more particularly to the drawings, 1 represents the main frame-work which may be of angle-iron perforated to receive bolts or rivets 2. Secured to the angle-iron 1 by bolts 2 are the sides 3, back 4 and top 5. A door 6 is provided at the front of the device and the whole is supported upon legs 7. Suitable ventilating apertures 8 are provided in the sides, back, top and door.

A gas burner 9 is mounted in the lower part of the structure and is connected with a supply pipe 10, which pipe may be connected with the supply pipe of a range in the kitchen or in any other way joined to

the gas main. Secured to the frame-work above the burner 9 is a floor plate 11 which slopes slightly toward the rear and is provided near its rear end with a hole or holes in which are drip pipes 12. Secured to the frame-work below the burner is a drip plate 13 adapted to catch the drip from the pipe or pipes 12 and sloping toward the front of the device where it is provided with a duct or ducts 14 which will direct the water into a pan 15. It might be remarked at this point, that the top 5 also slopes slightly toward the rear so that the top 5 and floor 11 are run parallel throughout.

Secured to the lower side of the top 5 and to the upper side of the floor 11 and extending from front to rear thereof are cleats 16 forming registering grooves. Slides 17 are adapted to be moved in and out of these grooves. Each of said slides is provided with a plurality of slats or cross-bars 18, and with a handle 19 which is secured at the front edge.

The operation of the above described mechanism is as follows:—

The clothes to be dried are hung on slats 18 and the slides 17 are moved into the grooves between cleats 16. The burner 9 is then lighted thereby heating up the drying chamber, the moisture laden air passing out through apertures 8. Any water which may drip from the clothes on to the floor 11 will be caused to move toward the rear of the device, down through drip pipes 12 onto plate 13, forward and through ducts 14 into pan 15.

While I have described what I deem to be the most desirable embodiment of my invention, it is obvious that many of the details are susceptible of minor changes without in any way departing from the spirit of my invention; and I therefore do not limit myself to the precise details of construction herein set forth nor to anything less than the whole of my invention limited only by the appended claims.

What I claim as new and desire to secure by Letters-Patent is:—

1. In a clothes drier, the combination of side walls, parallel top and bottom walls arranged at an angle to the horizontal, cleats secured to said top and bottom walls, and slides adapted to be moved into the grooves formed by said cleats.

2. In a clothes drier, the combination with means for supporting clothes to be dried,

and a pair of plates underlying said means and arranged at an angle to each other and at an angle to the horizontal as and for the purpose set forth.

- 5 3. In a clothes drier, the combination of a drying chamber having ventilating apertures, means for heating said chamber, re-

movable means for supporting clothes to be dried, and an angularly disposed drain plate, substantially as and for the purpose 10 set forth.

In testimony whereof I have affixed my signature.

EDWARD McNEILL.