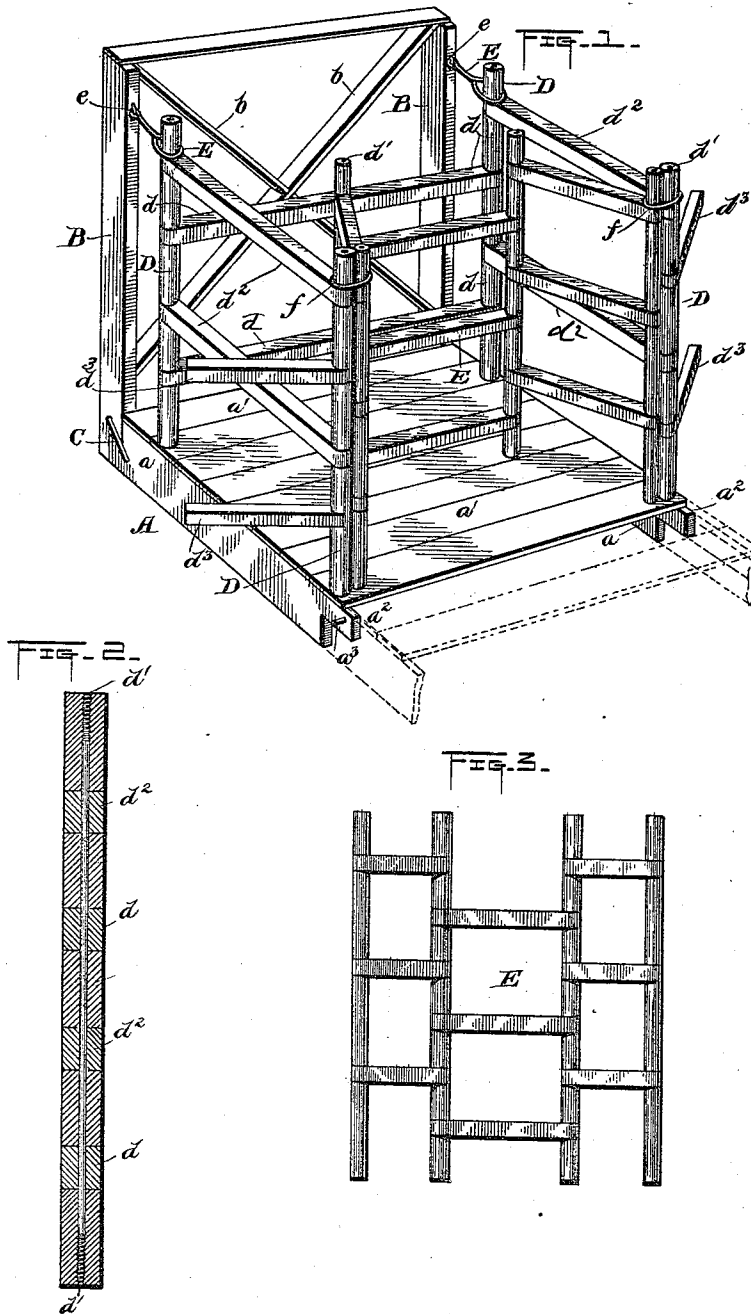


(No Model.)

A. SMITH.  
CLOTHES DRIER.

No. 428,535.

Patented May 20, 1890.



Witnesses

Severance.  
W. W. Deane.

Inventor

*Alexander Smith,*

Deane,  
Attorney

# UNITED STATES PATENT OFFICE.

ALEXANDER SMITH, OF DAYTON, OHIO.

## CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 428,535, dated May 20, 1890.

Application filed November 3, 1888. Serial No. 289,915. (No model.)

### *To all whom it may concern:*

Be it known that I, ALEXANDER SMITH, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Clothes-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.

The invention relates to improvements in clothes frames or driers; and it consists in the construction and novel combination of parts hereinafter described, illustrated in the accompanying drawings, and pointed out in the claim.

The principal object of the invention is to permit the clothes to be moved outside the house when the ground is muddy or there is snow thereon without rendering it necessary that the operator should go outside and thereby wet or soil his feet.

In the accompanying drawings, Figure 1 represents a perspective view of a clothes-drier illustrating the invention. Fig. 2 represents an axial section of one of the parts of the detachable frame of the drier. Fig. 3 represents a front view of a supplementary frame that may, if desired, be attached to the drier.

Referring to the drawings by letter, A designates the platform of the drier, composed of the side runners *a* and the planks *a'* connecting the same. The inner ends *a<sup>2</sup>* of said runners are rabbeted, as shown in Fig. 1, and provided with pins *a<sup>3</sup>*, so that the said platform may be connected with the oppositely-rabbeted outer ends of the runners of a second drier by means of similar pins on the latter and wire loops connecting said pins and the pins *a<sup>3</sup>*.

To the outer end of the runners *a* is secured, preferably by rabbets and the connecting-wires C, the vertical frame B braced internally by the diagonal strips *b b*.

To the inner edges of the side uprights of the frame B, near the upper end thereof, are secured the staples *e*, to which are hooked the ends of the shanks of swinging loops E.

The platform should be sufficiently narrow to pass through a door of ordinary width, else the device could not be moved from the in-

side to the outside of the house. The platform may, however, be as long as desired, provided that it can entirely enter the room in which it is to be filled with clothes.

A detachable folding standard of proper size and proportions to rest on the platform A has at its joints the posts D—four in number—the inner two of which are connected by the horizontal rails *d*, while each inner post is connected to the free or swinging post on the same side by horizontal rails *d<sup>2</sup>*. The length of the rails *d* must be such that the inner posts D, which they connect, may rest upon the platform, as shown in Fig. 1, while the rails *d<sup>2</sup>* may be of any desired length not greater than that of the platform. The inner posts D are placed upon the platform adjacent to the frame B, and the swinging loops E are passed over their upper ends down to the upper rails *d<sup>2</sup>*, thus retaining the folding frame in proper position on the platform.

The manner of using the drier is as follows: The frames are filled with clothes when the device is in the wash-room, and is then slid out of the door till its inner end is clear thereof. When the frame is entirely out of the doorway, the wings of the folding frame, which wings are composed of the rails *d<sup>2</sup>* and end posts D, may be turned outward to any desired angle upon the central part of the folding frame. The runners permit the frames to be moved thus outward over snow or mud, and if it is necessary to inspect the clothes while drying the operator may walk out on the platform without soiling his feet.

The parts are preferably constructed as follows: *d'* is an axial rod, upon which are mounted a proper number of cylindrical blocks between which the ends of the rails *d d<sup>2</sup>* are pivoted on the rod, which is threaded at its ends and has the end cylindrical blocks screwed thereon to keep the rails and remaining blocks in place, as shown in Fig. 2. If desired, arms *d<sup>3</sup>*, having free ends, may be pivoted on the rods *d'* of the end posts D, as seen in Fig. 1.

Fig. 3 shows a secondary frame E of similar construction to the described folding frame, and with its end posts connected to the end posts of said folding frame by wire loops *f*, in the manner shown in Fig. 1.

The wings of the folding-frame may be long

enough to hold sheets and other large articles to dry.

Having described my invention, I claim—

5 The combination, in a clothes-drier, of the platform A, provided with the side runners *a*, and narrower than an ordinary doorway, the frame B, rising from and secured to the outer or front end of the platform and having a width equal to that of the latter, and a frame  
10 standing on the platform, detachably con-

nected to the frame B and having side wings that can be turned outward at right angles to the sides of the platform when the latter has been slid out of a doorway.

In testimony whereof I affix my signature in 15 presence of two witnesses.

ALEXANDER SMITH.

Witnesses:

FRANK S. BLEENE,  
JAMES P. SMITH.