

F. M. CLARK.
CLOTHES-DRIER.

No. 170,235.

Patented Nov. 23, 1875.

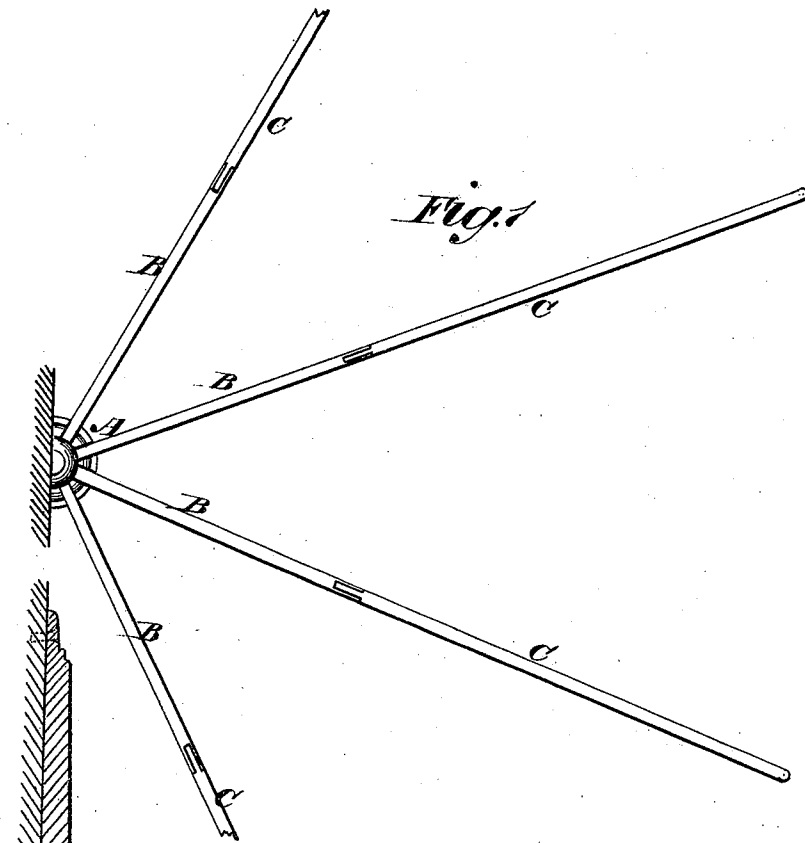


Fig. 1

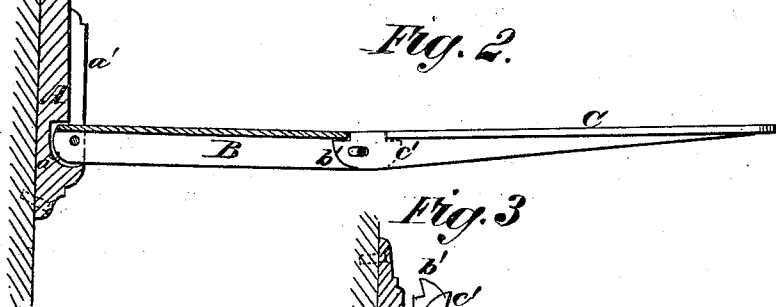


Fig. 2.

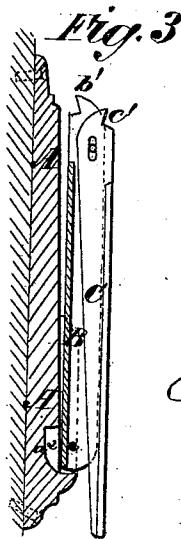


Fig. 3

WITNESSES:

Francis M. Chelle.
A. F. Terry

INVENTOR:

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UNITED STATES PATENT OFFICE

FRANK M. CLARK, OF SOUTH TAMWORTH, NEW HAMPSHIRE.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. **170,235**, dated November 23, 1875; application filed September 25, 1875.

To all whom it may concern:

Be it known that I, FRANK M. CLARK, of South Tamworth, in the county of Carroll and State of New Hampshire, have invented a new and useful Improvement in Clothes-Drier, of which the following is a specification:

Figure 1 is a top view of my improved clothes-drier, shown as opened out for use. Fig. 2 is a vertical section of the same, the inner part of the arm being shown in section. Fig. 3 is the same view as Fig. 2, but showing the arm folded.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved clothes-drier of that kind that is suspended from a wall, which shall be so constructed that it may be folded up into small space when not required for use, and which, when opened out, shall furnish a large amount of drying-surface, and which shall be simple in construction, convenient in use, and not liable to sag or get out of order.

The invention consists in an improved clothes-drier, formed by the combination of the grooved and mortised block and the pivoted jointed arms with each other, in the manner hereinafter fully described, and in the inclination given to the shoulders of the adjacent ends of the parts of the jointed arms, as hereinafter fully described.

A is a block, in the upper and lower ends of which are formed holes to receive the screws by which it is secured to the wall. The inner side of the block A is made flat, to fit against the wall, and the outer side is rounded off. The lower part of the block A is made thicker than the upper part, and in said thicker part are formed two, three, or more vertical grooves, a^1 , to receive the arms when folded up. In the lower part of the block A, at the lower ends of the grooves a^1 , are formed mortises a^2 , to receive the inner ends of the inner parts B of the arms B C, where they are pivoted in place by pins. The upper sides of the mortises a^2 are made straight to furnish a firm support to the upper side of the inner ends of the arms B when extended. The lower sides of the mortises a^2 extend beyond the pivoting-pins, to

receive and support the said arms when extended, the pivoting-pins being thus released from all strain. The lower sides of the inner parts B of the arms are grooved longitudinally to receive the outer parts C when folded, and the lower side of the outer parts C is made narrow to fit into the grooves of the inner parts B. The inner end of the outer part C of the arms has a shoulder, c' , formed upon it, to slip under the middle part of the inner end of the part B, and the outer end of the part B has two shoulders, b' , formed upon it, to slip under the side parts of the inner end of the outer part C, so as to relieve the pins that pivot the adjacent ends of said parts together from all strain. The outer end of the inner parts B, or the inner end of the outer part C, has a short slot formed in it to receive the pivoting-pin, so that the said outer parts C may have a slight longitudinal movement to slip the shoulders c' b' into and out of place in extending and folding the said arms B C. The shoulders b' c' are made inclined, as shown in Fig. 3, to give a slight upward inclination to the outer parts C of the arms, and prevent them from sagging when they have been for some time in use, and thus letting the clothes slip off.

The shoulders b' c' relieve the pivoting-pins from all strain when supporting the clothes.

With this construction, the drier can be folded into small space when not required for use, and when the arms B C are opened out it furnishes a large amount of drying-surface.

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

1. An improved clothes-drier, formed by the combination of the grooved and mortised block A and the pivoted jointed arms B C with each other, in substantially the manner herein shown and described.

2. The jointed arms B C, having inclined shoulders b' c' on their adjacent ends, substantially as and for the purpose set forth.

FRANK M. CLARK.

Witnesses:

L. G. CLARK,
S. B. WIGGIN.