(Model.)

P. DEVERELL.

CLOTHES DRIER.

No. 337,566. Patented Mar. 9, 1886.

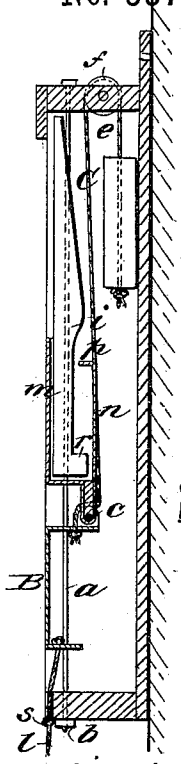


Fig. 1

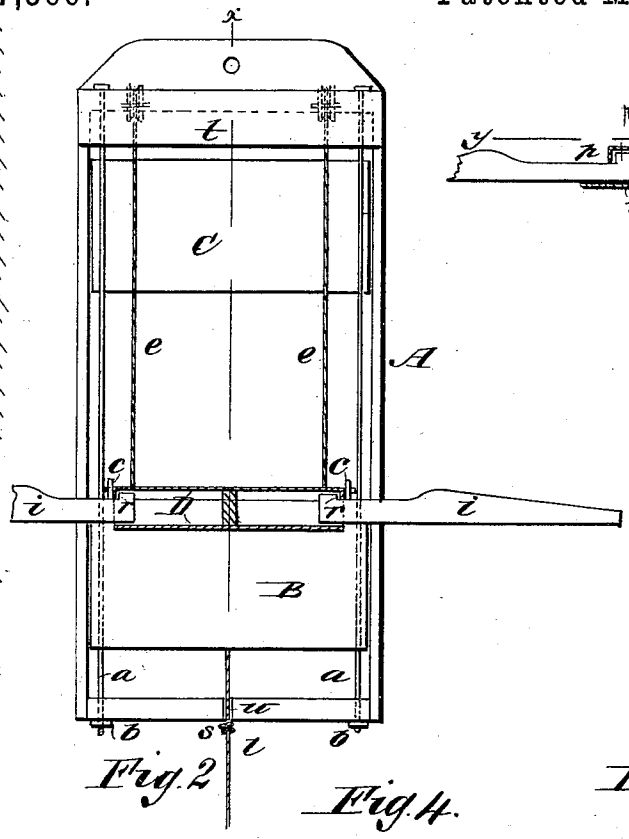


Fig. 2

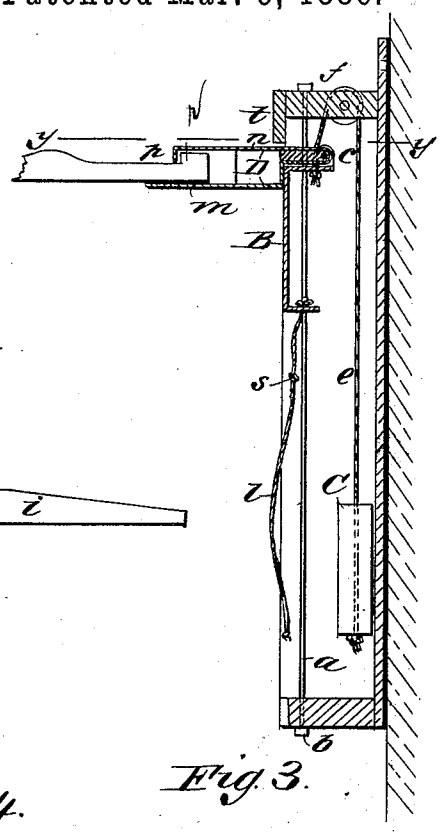


Fig. 3.

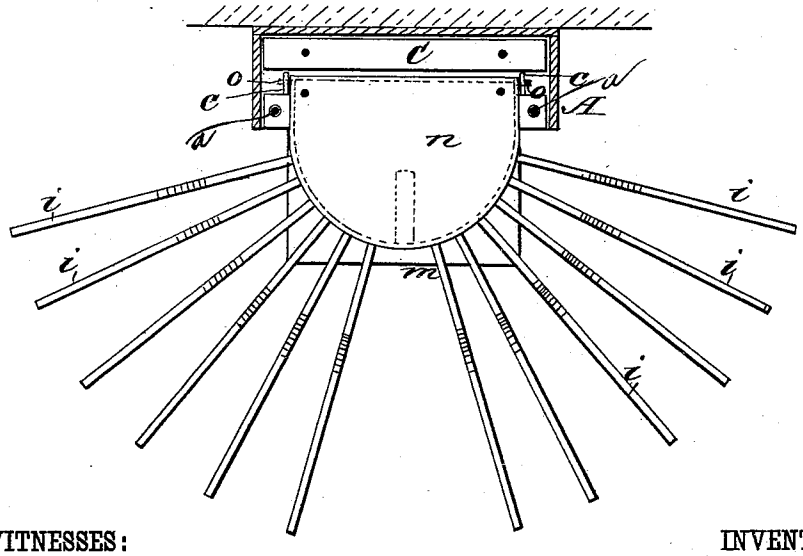


Fig. 4.

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UNITED STATES PATENT OFFICE.

PERSSE DEVERELL, OF ROUSEVILLE, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND JOSEPH B. ROBINSON, OF SAME PLACE.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 337,566, dated March 9, 1886.

Application filed June 22, 1885. Serial No. 169,442. (Model.)

To all whom it may concern:

Be it known that I, PERSSE DEVERELL, of Rouseville, in the county of Venango and State of Pennsylvania, have invented a new and Improved Clothes-Drier, of which the following is a full, clear, and exact description.

My invention relates to that class of devices employed to support clothes that are to be dried within the house, and has for its object to provide a clothes-drier that will automatically elevate the clothes to a position near the ceiling of the room in which the drying is done, but which will be so arranged as not to take up any floor-space.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional side elevation taken on line *x x*, Fig. 2, showing the position of the parts when the drier is not in use. Fig. 2 is a front elevation showing the parts of the drier in position to receive the clothes. Fig. 3 is a sectional side elevation showing the position of the parts when clothes are being dried thereon; and Fig. 4 is a sectional plan view of the drier, taken on line *y y*, Fig. 3.

A represents the inclosing box or casing of my improved drier, which is constructed so that the whole apparatus can be secured to one of the side walls of the room in which the clothes are to be dried.

A sliding frame, B, that is guided by rods, as *a a*, and counterbalanced by a weight, as C, to which it is connected by means of the cords *e e*, that pass over pulleys *f f*, fixed at or near the top of the casing A, serves as the support for a folding box-like frame, D, within which the butt-ends of the clothes-suspending arms *i i* are held.

The connection between the frames B and D is made by means of pivots *o o*, that extend outward from the frame D, and are journaled in bearings formed in the lugs *c c*, that project from the frame B, by which arrangement the frame D can be folded within the casing, as shown in Fig. 1, or be turned down, as shown in the other figures of the drawings.

Referring now to Figs. 3 and 4, it will be seen that the upper side, *n*, of the frame D is about semicircular in form, and that it is provided with a downwardly-projecting flange, as *p*, which serves as a stop and prevents the arms *i i* from being displaced, said arms being formed with lugs or shoulders, as *r*, at their inner or butt ends. The lower side, *m*, of the folding frame D is rectangular, as shown in Fig. 4, and projects somewhat beyond the upper side, *n*, thereby affording a firm steady support for the arms *i i*. The rods *a a* are preferably made in the form of long bolts, that are provided with nuts *b b*, by turning which the rods may be subjected to a longitudinal strain, so as to be held in stiff rigid positions. A manipulating-rope, *l*, is secured to the lower part of the frame B, and provided with knots or knobs *s*, arranged to engage with the sides of a slot, *u*, formed in the bottom of the casing A.

As before stated, my drier is to be secured to one of the side walls of the room, as near as possible to the ceiling, and as when not in use the arms *i i* are folded within the casing A, where they are held in position by the cross-piece *t*, that is fastened to the upper part of the front of the casing A, the whole apparatus is removed from the floor, and does not take up any space in the room that could be utilized for other purposes.

When my drier is to be used, the frame B is pulled down by means of the rope *l*, in order to clear the upper ends of the arms *i i* from engagement with the cross-piece *t*, so that said arms can be turned down and pulled out to the position shown in Fig. 2, the sliding frame B and the parts connected thereto being held, as shown in said figure, by bringing the knot *s* into engagement with the sides of the slot *u*. The arms *i i*, being simply inserted between the sides *m* and *n* of the folding frame D, can be turned to radial positions, as shown in Fig. 4. After the damp clothes have been hung upon the arms *i i* the knot *s* is released from engagement with the sides of the slot *u*, when the weight C will act to raise the frame B, and with it the supporting-frame D and the arms *i i*, so that the clothes will be moved to a position near the ceiling, where

they will be out of the way, and at the same time in a warmer and consequently a better drying-place.

My drier is more especially designed to dry and air clothes after they have been ironed, but could be used with great advantage to suspend clothes taken directly from the wash-tub.

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

1. In a clothes-drier, the combination, with a sliding frame counterbalanced by a weight, of a folding frame pivotally connected thereto, and suspending-arms *i i*, substantially as described.

2. In a clothes-drier, the combination, with a casing, A, provided with guide-rods *a a*, of a sliding frame, B, counterbalanced by a weight, a folding frame, D, pivotally connected to the frame B, and arms *i i*, substantially as described.

3. In a clothes-drier, the combination of the following named elements: casing A, rods *a a*, frames B and D, arms *i i*, weight C, and cords *e e*, substantially as set forth.

4. In a clothes-drier, the combination of the following named elements: casing A, provided with cross-piece *t*, rods *a a*, frames B and D, arms *i i*, weight C, and cords *e e*, substantially as set forth.

PERSSE DEVERELL.

Witnesses:
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