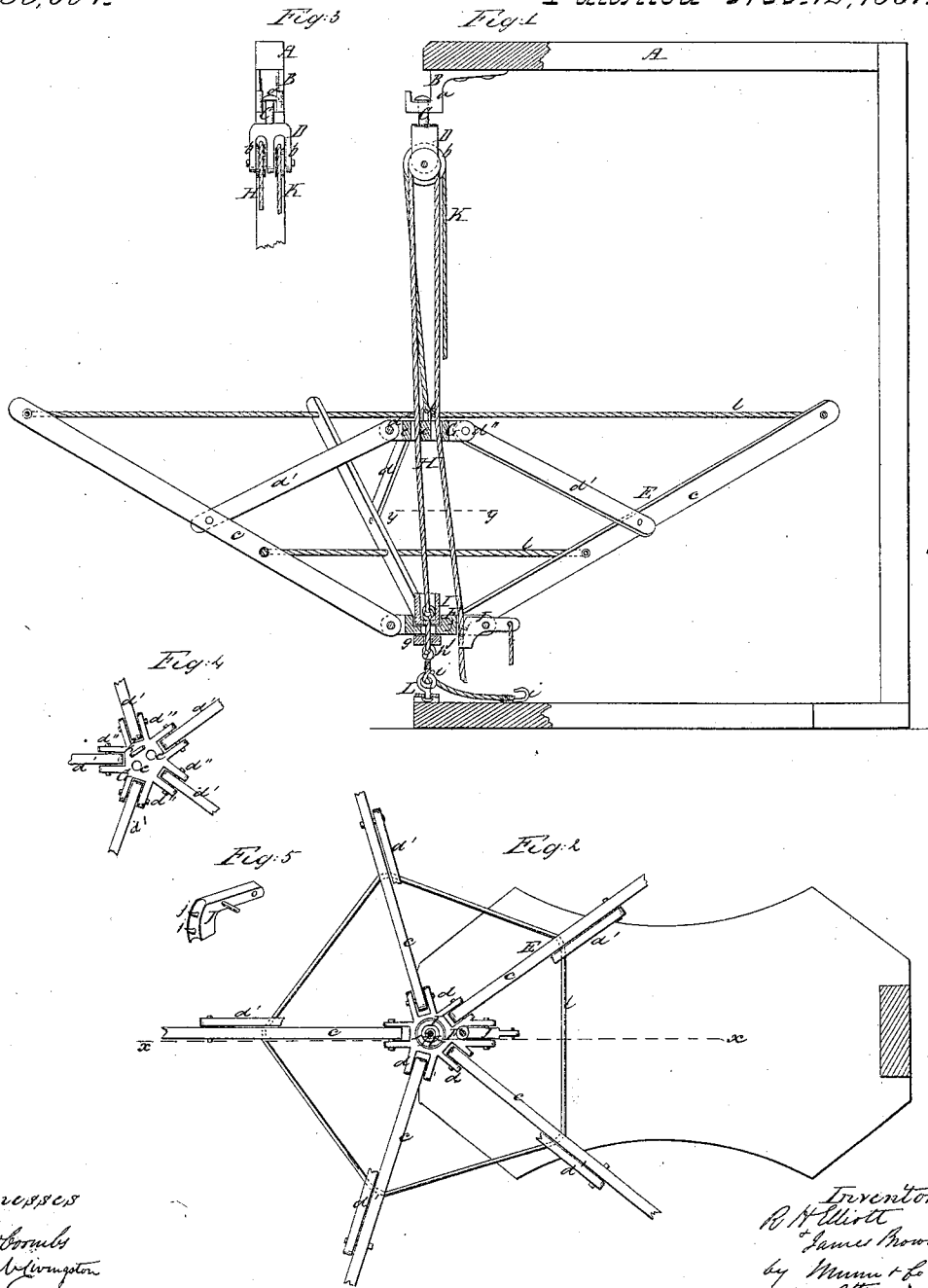


Elliott & Brown,

Clothes Frame,

N^o 33,697.

Patented Nov. 12, 1861.



Witnesses
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UNITED STATES PATENT OFFICE.

K. HIRAM ELLIOTT AND JAMES BROWN, OF MORRISVILLE, VERMONT.

IMPROVED REVOLVING CLOTHES-DRIER.

Specification forming part of Letters Patent No. 33,697, dated November 12, 1861.

To all whom it may concern:

Be it known that we, K. HIRAM ELLIOTT and JAMES BROWN, both of Morrisville, in the county of Lamoille and State of Vermont, have invented a new and Improved Revolving Clothes-Drier; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, forming part of this specification, in which—

Figure 1 is a side sectional view of our invention, taken in the line *xx* of Fig. 2; Fig. 2, a horizontal section of the same, taken in the line *yy* of Fig. 1; Fig. 3, a detached view of the upper block and swivel-connection pertaining to the same; Fig. 4, a detached plan of one of the hubs pertaining to the same, and Fig. 5 a detached perspective view of a clamp pertaining to the same.

Similar letters of reference indicate corresponding parts in the several figures.

The object of this invention is to obtain a revolving clothes-drier which will admit of being suspended from a horizontal arm attached to the side of a building or any proper support and be capable of being readily raised and lowered and secured at any desired height, whereby it is believed the clothes may be more readily placed on and removed from the frame than hitherto and the general manipulation of the device rendered extremely easy and attended with but little labor.

To enable those skilled in the art to fully understand and construct our invention, we will proceed to describe it.

A represents a horizontal arm, which may be attached to a building or any proper support at a suitable height from the surface of the ground, and B is a forked hook, which is attached to the end of arm A and receives the pin C of a block D, the pin C being supported in the hook B by a head *a*. The block D is provided with two pulleys *b b*, which are placed in the block side by side, as shown clearly in Fig. 3.

E is a frame, which is constructed similar to ordinary clothes-drying frames in use, said frame being composed of a series of radial arms *c*, the inner ends of which are secured by pivots or pins *d* in a hub F, which is shown clearly in Fig. 2. The arms *c* are of wood, and the hub F of metal. The arms *c* are con-

nected by braces *d'* to a hub G, which is of metal, like the hub F, the inner ends of the braces *d'* being secured in the hub G by pivots or pins *d''*.

The hub G has two holes *e e'* made through it at opposite sides of its center, as shown clearly in Fig. 4. Through these holes *e e'* a rope H passes, said rope also passing over one of the pulleys *b* of block D. The rope H passes through a thimble I, which is fitted loosely in a circular recess in the hub F, and said rope has a knot *f* formed on it, which knot is in the thimble I and serves as a stop, the rope below passing through the bottom of the thimble, as shown clearly in Fig. 1. The rope H also passes through the center of hub G and through a collar *g*, and a knot *h* is tied in the rope just below the collar, as shown clearly in Fig. 1. The rope H, below the collar *g*, has a series of hooks *i* attached. The opposite end of the rope H passes down by the side of the hub G between said hub and a clamp J, which is pivoted to the hub. A detached view of this clamp is shown clearly in Fig. 5, and its face side is provided with two spurs *j j*.

K is a rope, which passes over the pulley *b* by the side of the one the rope H passes over. The rope K is attached to the hub G at *k*.

From the above description it will be seen that by drawing down the disengaged end of rope H the frame E will be elevated, the height being regulated by the hooks *i*, any one of which may be secured in a swivel-eye L, attached to a post or board on the ground below the frame. The clamp J secures the rope H at any point, and consequently retains the frame in an elevated state.

The swivel-eye L and swivel formed by the pin C and hook B, which swivel secures the block D to the arm A, admit of a free rotation of the frame E, the arrangement of the thimble I, collar *g*, and knots in the rope admitting of the frame freely turning and preventing all binding between it and rope H.

By drawing down the disengaged end of rope K the frame E may be folded, the hub F being drawn up by said movement. The arms *c* of the frame E have cords *l* passing through them, as usual, the clothes to be dried hung on said cords.

From the above description it will be seen

that the frame E may revolve equally as well as when connected to a post or stand, as hitherto, and it will also be seen that the frame may be lowered to the ground, so as to afford the greatest facility for placing the clothes on the cords *l* and removing them therefrom.

We do not claim the folding frame E nor the clamp J, for they have been previously used; but

What we do claim as new, and desire to secure by Letters Patent, is--

1. The frame E, in connection with the lifting-rope H, clamp J, swivel-eye L, and block

D, the latter being connected to the horizontal arm A by the swivel-connection formed of the pin C and hook B, all arranged substantially as and for the purpose set forth.

2. The arrangement of the thimble I, collar *g*, and hub F, with the knots *f h* on the rope H, substantially as and for the purpose specified.

K. HIRAM ELLIOTT.
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Witnesses:

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