E. B. GILDERSLEEVE.

Clothes-Driers.

No. 148,360. Patented March 10, 1874.

Fig. 1.

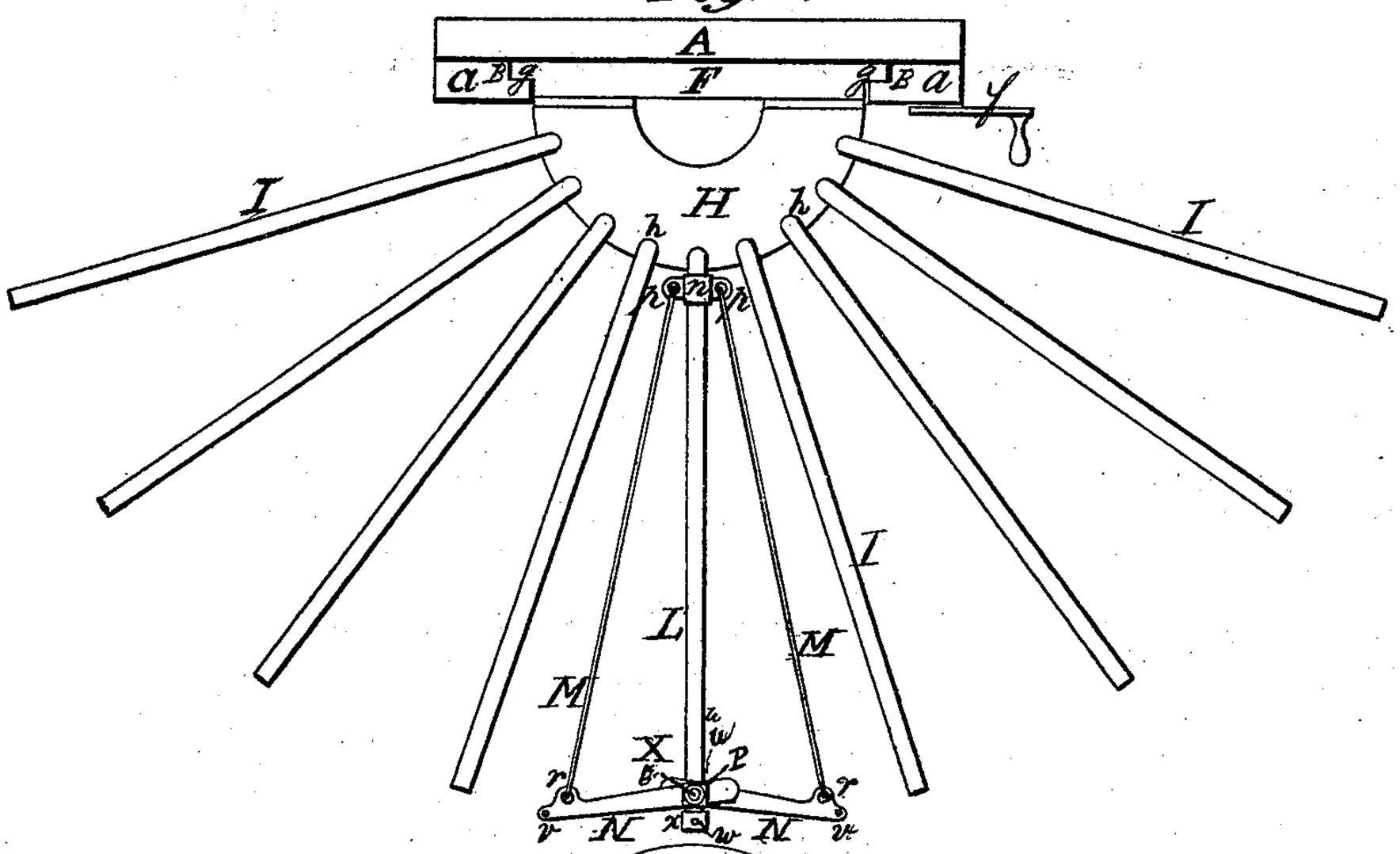


Fig. 2.

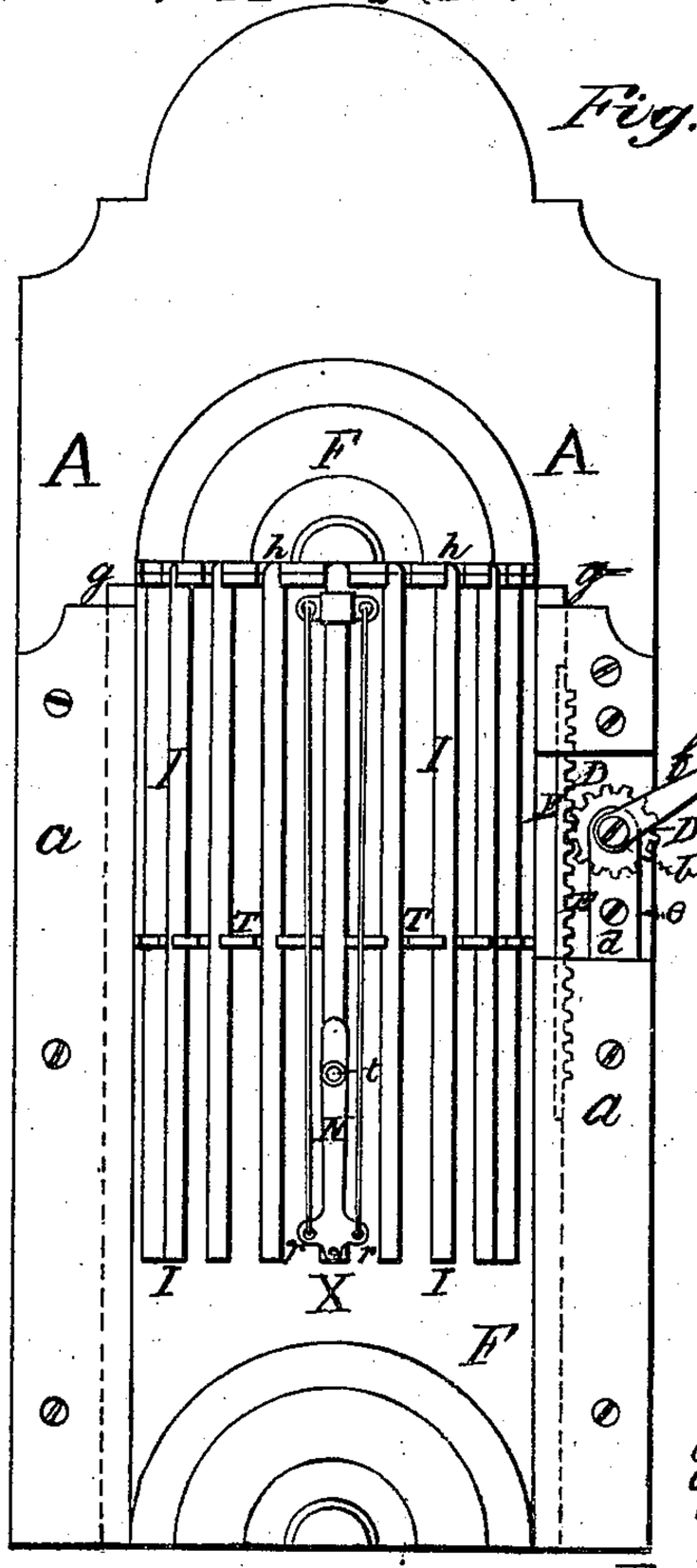


Fig. 3.

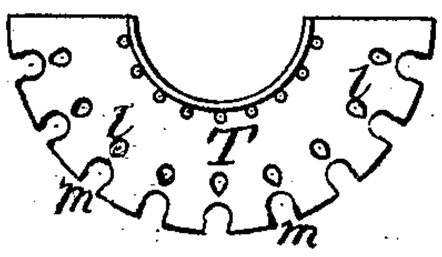
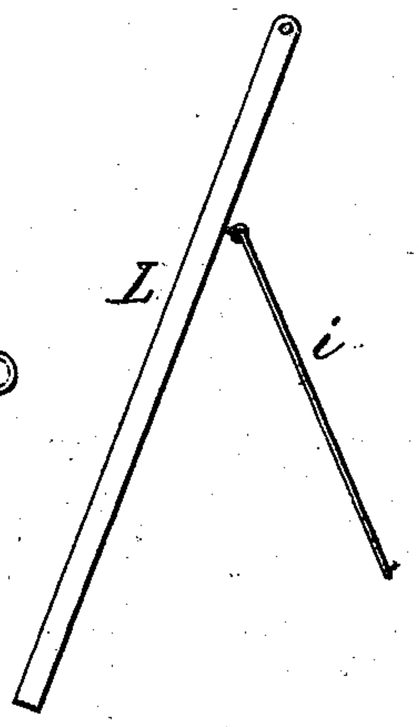


Fig. 4.



Witnesses.
Wm Howard.
Wm E. Schaffer

Inventor.
Ezra B. Gildersleeve
By Cox & Cox Attys.

UNITED STATES PATENT OFFICE.

EZRA B. GILDERSLEEVE, OF WADING RIVER, ASSIGNOR OF ONE-HALF HIS RIGHT TO JAMES E. GILDERSLEEVE, OF BROOKHAVEN, NEW YORK.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. **148,360**, dated March 10, 1874; application filed August 2, 1873.

To all whom it may concern:

Be it known that I, EZRA BREWSTER GILDERSLEEVE, of Wading River, Suffolk county, New York, have invented certain new and useful Improvements in Clothes-Driers, of which the following is a description, reference being had to the accompanying drawings.

The invention relates to the segment of a circle, provided on its periphery with slots, in which are pivoted movable arms having supports, which rest upon a segment below, both segments being attached to a tongued slide, which is movable in slots in a grooved casing by means of a toothed wheel rotated by a crank attached to the casing, and engaging a ratchet fixed to the side of the tongue in the plate; also, to providing said arms with an expanding frame consisting of a collar with ears on each side, in which are secured rods, the outer ends of which are attached to wings or flanges pivoted upon the outer end of the arm upon a pin fixed on a sliding collar, which being moved toward the upper segment the wings are closed, and when moved in an opposite direction they are opened.

The object of the device is to provide a convenient and adjustable means of drying clothes.

Figure 1 is a top view of a device embodying the elements of the invention. Fig. 2 is a front elevation of same. Fig. 3 is a plan view of the lower segmental collar. Fig. 4 is a detached view of one of the arms and supports.

A in the accompanying drawings is a casing, provided on each side with the cleats *a*, the inner portions of which project over the adjacent parts of the slide and form the grooves B. On one side of the slide the cleats *a* are separated, and in this space is placed the toothed wheel D, which is mounted upon the shaft *b* journaled in the plates *d e* and operated by the crank *f*. The teeth of the wheel D engage those of the vertical ratchet E secured upon one side of the tongue *g*, with which its surfaces are flush. The slide F is provided on each side with the tongue *g*, which enter and operate in the grooves B. To the upper part of the slide F is secured the segment H, its curve being outward, and provided with the recesses *h*, in which are pivoted the arms I provided with the supports *i*. At a proper distance below the segment H, and similarly secured to the slide F, is placed the segment T provided with the recesses *l* to receive the arms I and supports *i*, and also with the apertures *m* to receive the ends of the supports when the arms I are elevated. The frame X consists of the arm L, with the collar *n* secured firmly near its base, and having the ears *p*, in which are secured the ends of the rods M, which extend parallel to and on different sides of the arm to a point nearly opposite its other extremity, where they are fastened to ears *r* on the ends of wings N formed of flattened pieces of material, journaled one above the other upon a pin, *w*, on the upper side of the collar P, which is movable upon the guide *u* on the arm L. The lower extremities of the wings N have the holes *v*, through which, when the rings are closed, is passed the pin *w* on the upper side of the head *x* at the extremity of the arm L.

The device, in its present form, is intended to be suspended or placed near or over any heating device, or in any other position favorable for drying purposes. The arms I are elevated and sustained by the support *i*, the clothes placed upon the latter, and, by rotating the crank *f*, the device may be elevated as desired.

If the arms L are employed, the wings N are expanded by pressing their extremities from the pin *w*, and bringing the collar P down the arm until it comes in contact with the head *x*, whereby the rods M are thrown out on each side of the arm, forming therewith additional supporting space.

To fold the frame X, the collar P is slid up the arm until the wings N are closed, when they are secured by passing the pin *w* through the apertures in their extremities.

It is obvious that the means herein described for elevating and lowering the slide F may be applied to a shaft or standard working vertically in a circular casing.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The semicircular segments H and T, in combination with the slide F, casing A, wheel D, and ratchet, E, substantially as shown and described.

2. The frame X, consisting of the arm L, collar *n*, rods *m*, wings N, pin *t*, collar P, and guide *u*, substantially as shown and described.

In testimony that I claim the foregoing improvement in clothes-driers as above described, I have hereunto set my hand and seal this 22d day of July, 1873.

EZRA BREWSTER GILDERSLEEVE. [L. S.]

Witnesses:
H. E. STREET,
W. H. BANSHER.