

(No Model.)

F. M. HARRIS.

CLOTHES DRIER.

No. 306,608.

Patented Oct. 14, 1884.

Fig. 1.

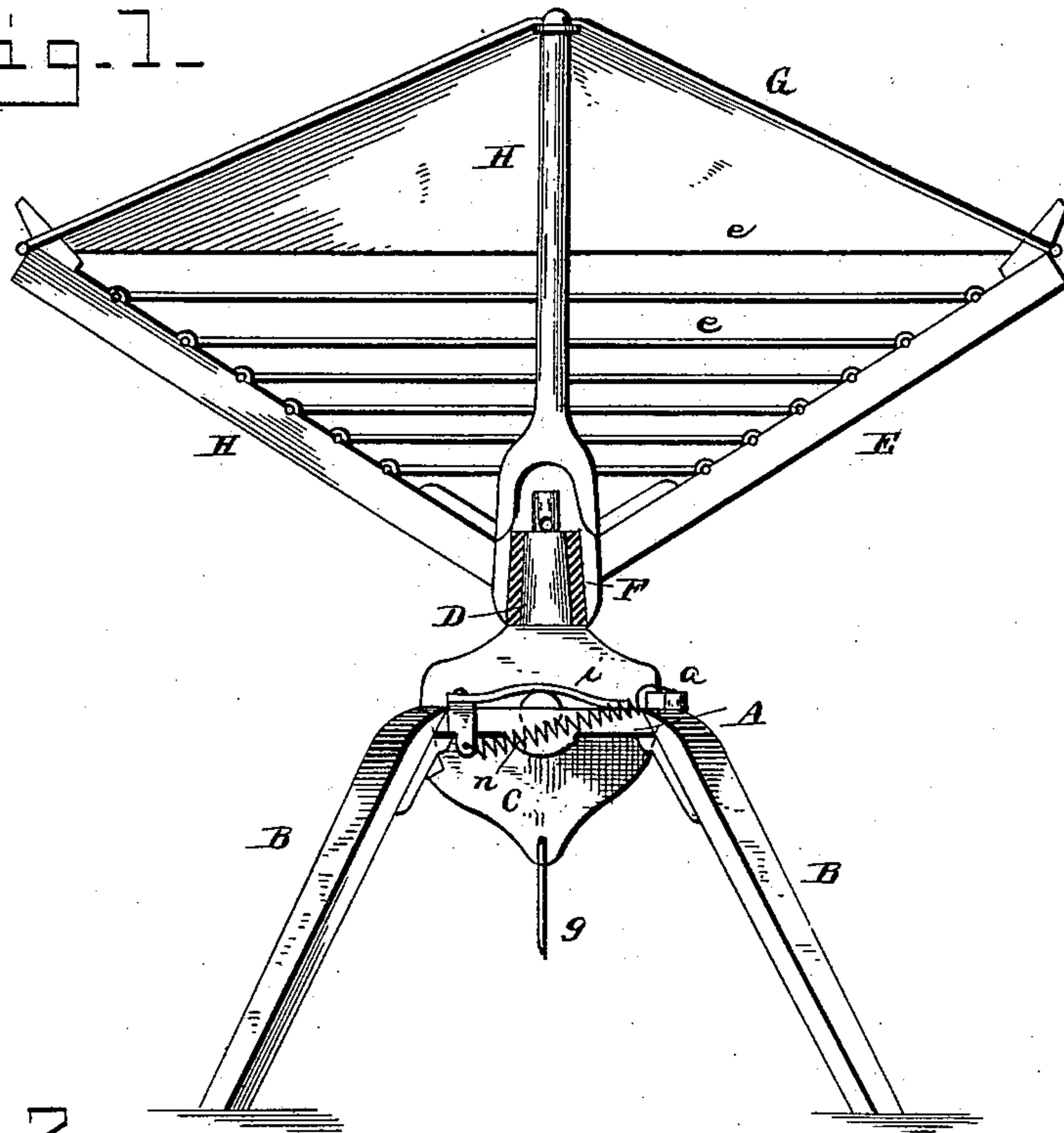


Fig. 2.

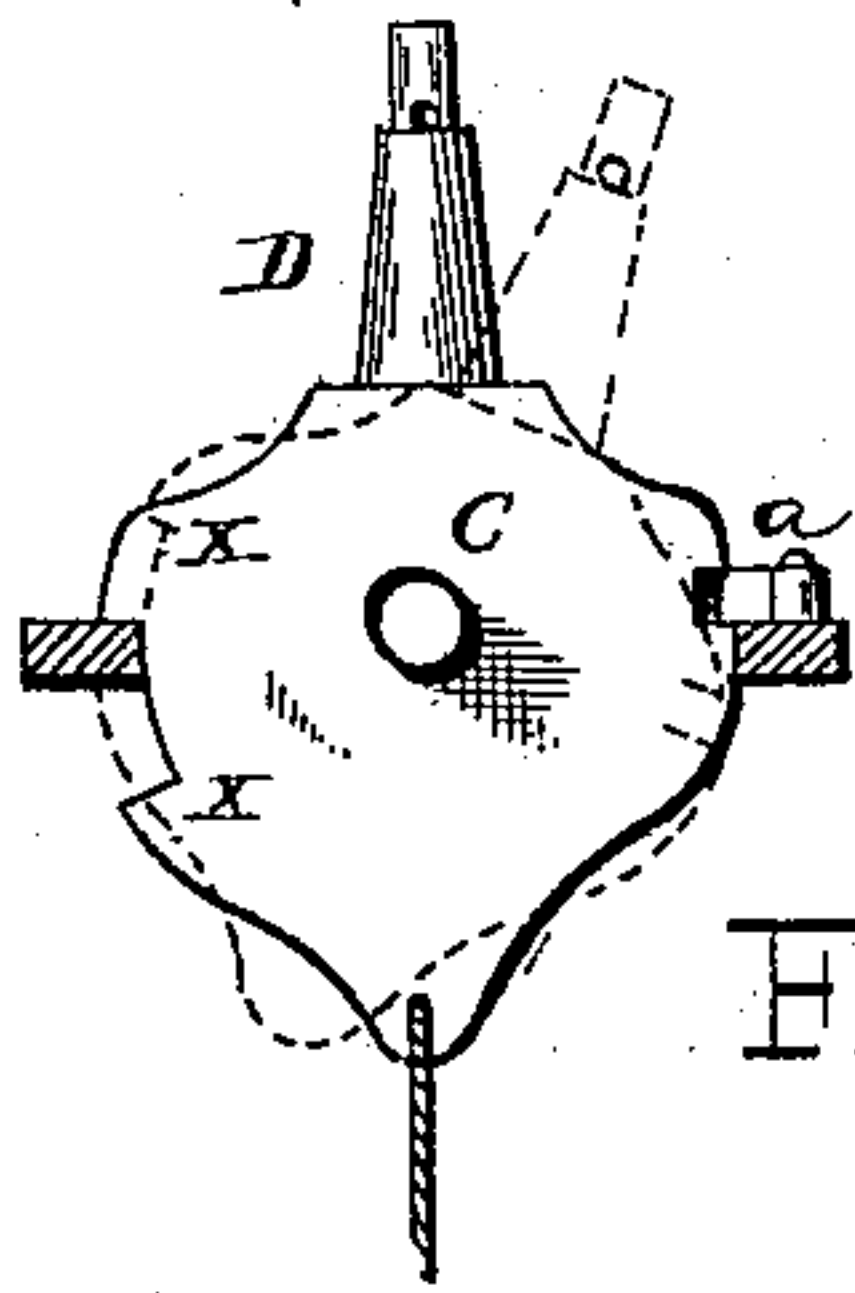


Fig. 3.

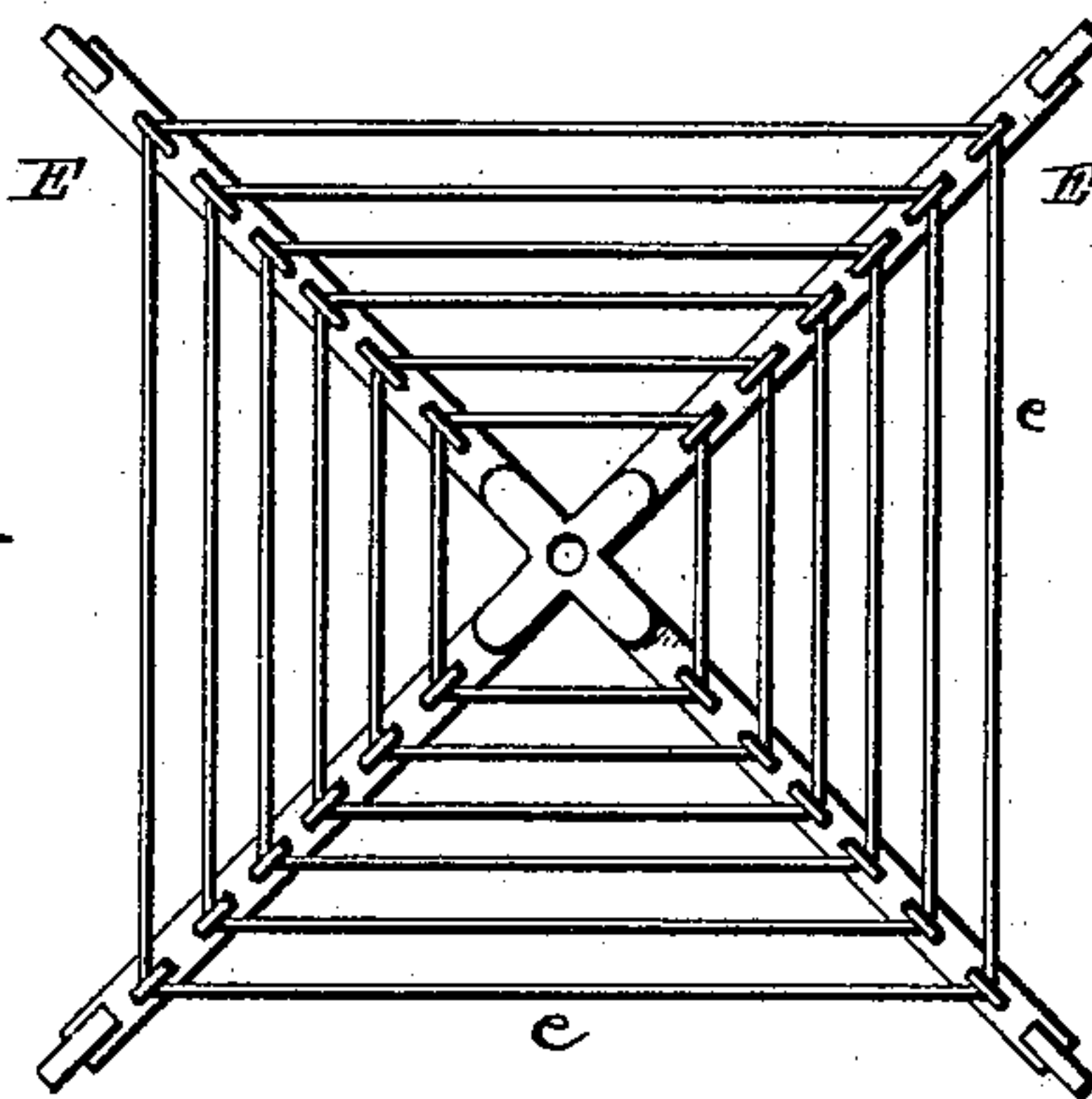
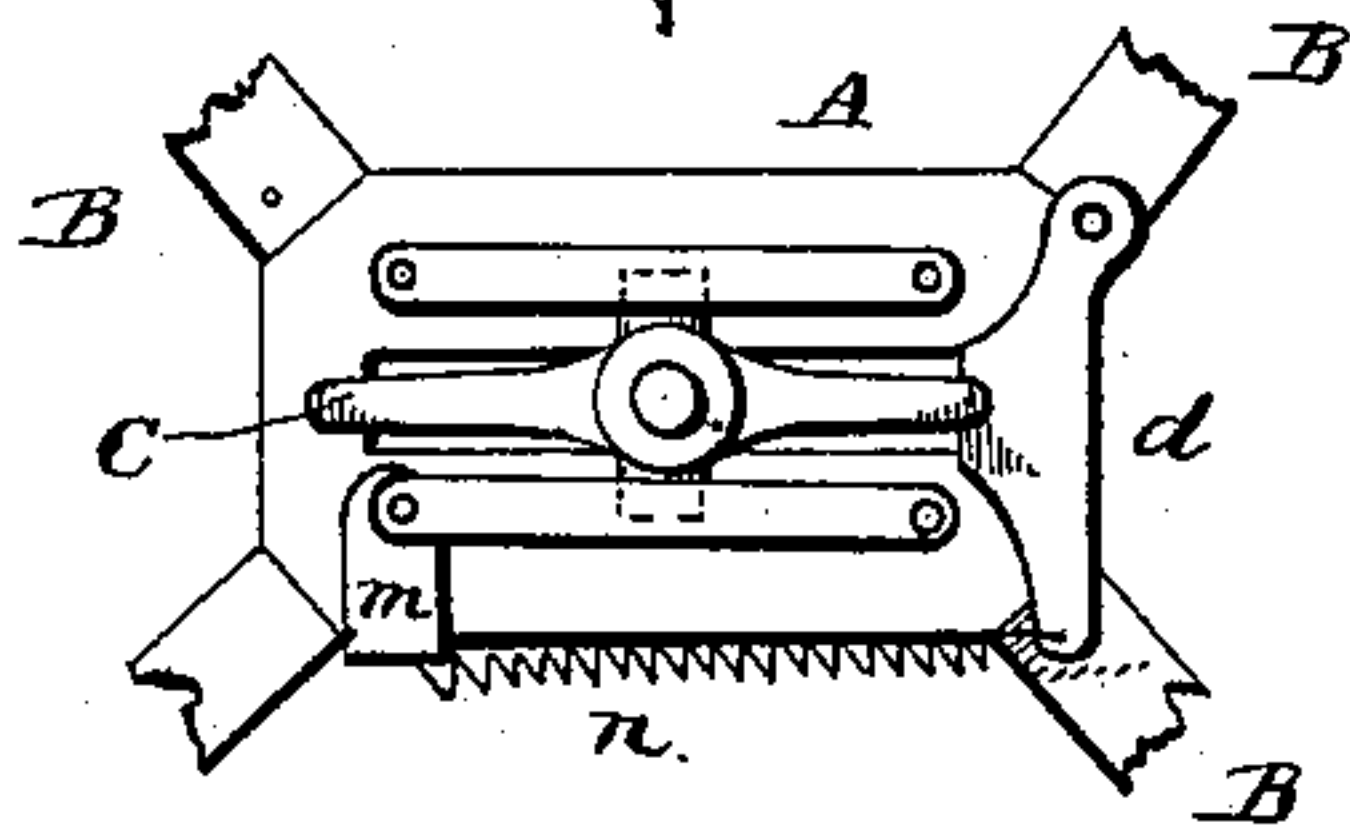


Fig. 4.



WITNESSES

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CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 306,608, dated October 14, 1884.

Application filed March 17, 1884. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS M. HARRIS, a citizen of the United States, residing at Logansport, in the county of Cass and State of Indiana, have invented certain new and useful Improvements in Clothes-Driers, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to clothes-driers, and the object I have in view is to provide a revolving frame strung with cords, having a canopy or cover, and adapted to tilt to one side for convenience in hanging on clothes to be dried, as will be hereinafter more particularly described.

In the accompanying drawings, making part of this specification, Figure 1 represents a side elevation, partly in section; Fig 3, a top view of the revolving frame with cover removed; Fig. 2, a side view of the plate which carries the frame, and Fig. 4 a plan of the base with the revolving frame removed.

In the figures, A represents a base-plate, rectangular in shape, made of metal, having a rectangular opening made in it, and provided on the sides of this opening with half journal-bearings. This plate is supported by four legs, B B, setting at an angle to it and of suitable height.

C represents a metallic plate, which is vertical in position and which plays in the central opening in plate A. This plate C is flat upon its sides, but upon its edges it may be round or elliptical or in part irregular in shape. It has trunnions upon its sides which rest in the half-bearings of plate A, and upon its upper edge an arm, D, which passes into a hub in the revolving frame, as will be set forth. In the opposite edges of this plate are made two recesses, one from x to x and the other designated by the letter a . The plate C oscillates upon its trunnions and the shoulders of the recess from x to x catch against the upper and under sides of plate A, according to the position it is in. When the arm D is in a vertical position, the upper shoulder rests upon the upper side of plate A, but when the frame is tilted to one side the lower shoulder rests against the under side of said plate.

d represents a latch, which is held in normal position by a spring, n , one end of which is secured to the latch and other to a projection, m , on plate A. This latch d takes into the recess a when the frame is in normal position and retains it in that position.

The clothes-frame is composed of four radiating arms, E, having a common hub, F, a cover, G, and a center-supporting post, H, for sustaining the center of said cover. The arm D enters the hub F of the frame and allows said frame to revolve about or around it. From the radiating arms E are stretched cords $e e$, upon which the clothes to be dried are hung. The cover G is of canvas, and is intended to cover the clothing being dried, to protect them from falling dust or cinders or soot or such matter as would tend to soil them. The center-post H keeps the center of the canvas elevated and away from the clothing. When the wind blows, this frame will revolve or is capable of revolving to present the clothes to air as it moves in different positions. A plate, i , rests over the trunnions to keep them in place.

g represents a cord secured to the lower side or edge of plate C, whereby the drier may be anchored to the ground, when desirable.

When clothes are to be hung upon the lines, the latch is loosened from the catch or recess in plate C and the frame is turned down to one side, so that the lines $e e$ can be readily reached. The frame is then strengthened up to its normal position and then partially revolved and again tilted, and so on until the frame is full of clothing. It is then straightened up and left to the air and wind until the clothes are dry enough to be removed.

The frame can be tilted just the same for removing the clothes from the lines as when putting them on.

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

1. The base-plate A, supported upon legs B B and having a central rectangular opening and bearings, in combination with the plate C, with its trunnions, recesses, and arm D, substantially as and for the purpose set forth.
2. A revolving clothes-frame composed of the radiating arms E E, the lines $e e$, standard

H, cover G, and hub F, in combination with the plate C and its arm D, substantially as and for the purpose set forth.

3. The revolving frame as constructed, in
5 combination with the plate C and its recesses, and the spring latch *d*, substantially as and for the purpose herein specified.

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

FRANCIS M. HARRIS.

Witnesses:

W. H. JACKS,

JOHN MACGREEVY.