

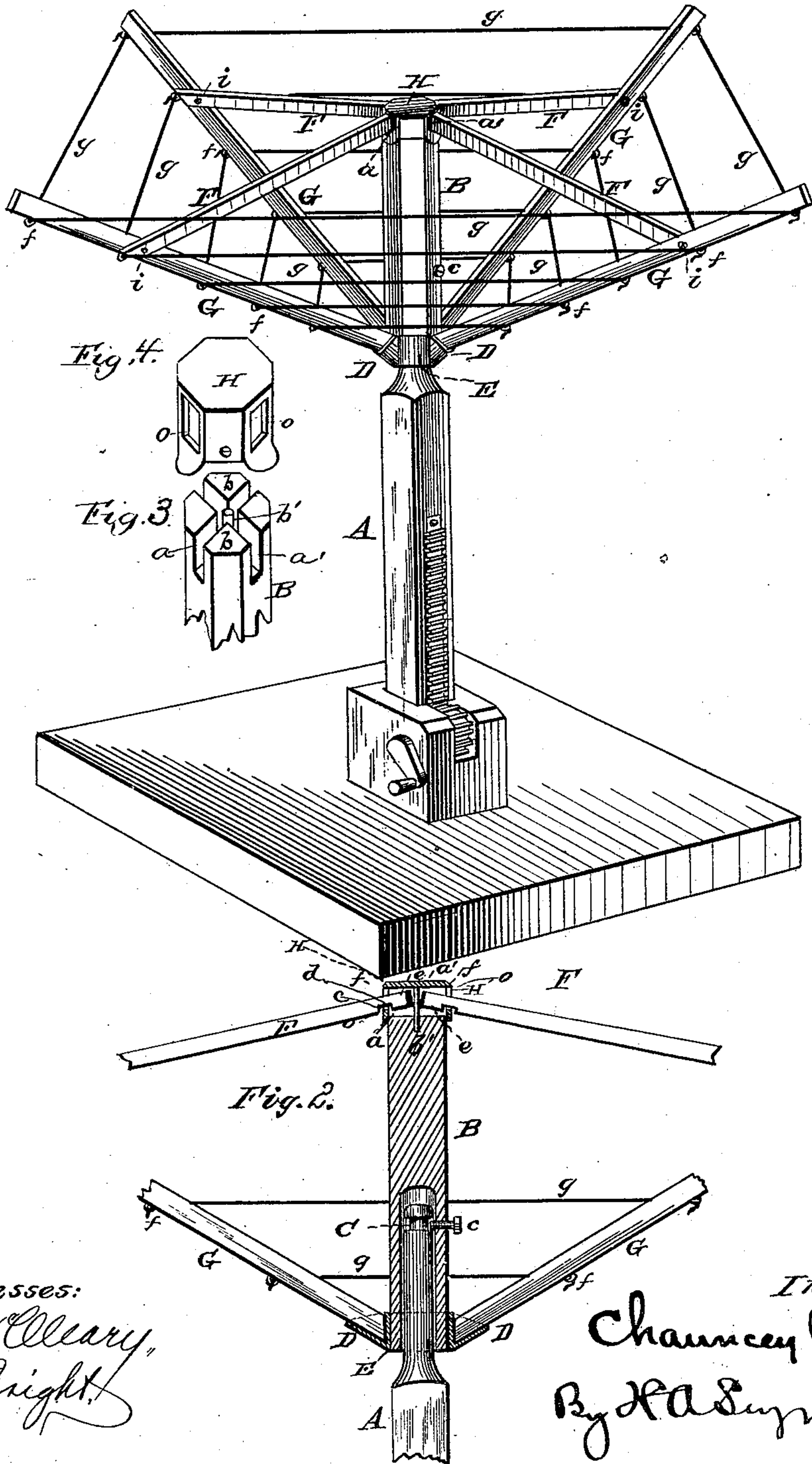
(No Model.)

C. PALMER.
Clothes Drier.

No. 235,008.

Patented Nov. 30, 1880.

Fig. 1.



Witnesses:
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UNITED STATES PATENT OFFICE.

CHAUNCEY PALMER, OF UTICA, NEW YORK, ASSIGNOR TO HIMSELF AND
EUGENE P. PALMER, OF CHICAGO, ILLINOIS.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 235,008, dated November 30, 1880.

Application filed April 29, 1880. (No model.)

To all whom it may concern:

Be it known that I, CHAUNCEY PALMER, of Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Clothes-Driers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in clothes-driers; and it consists in certain details in construction and combinations of parts, as will hereinafter be described, and pointed out in the claim, and disclosed in the drawings.

In the accompanying drawings, Figure 1 is a view, in perspective, of my invention as it appears when set up in a portable standard. Fig. 2 is a vertical sectional view through the sleeve-cap, showing the manner of attaching the supports to the sleeve. Fig. 3 is a view representing the end of the sleeve. Fig. 4 is detail view of the metallic sleeve-cap.

A represents the upright post, which may, as desired, be secured stationarily to the earth or roof of a building, or it may be mounted in a suitable standard to be moved about as convenience may dictate.

The upper end of the post A is formed cylindrical, to allow a sleeve or socketed hub, B, to be slipped and have free rotary movement thereon.

On the upright post and near the upper extremity of the cylindrical portion thereof an annular groove or ring, C, is formed, into which fits a screw, c, or an equivalent therefor, placed at a suitable point on the sleeve and operated from the outside thereof. The object of this device is to enable the sleeve and attached frame-work to be securely fastened to the upright post without in any way interfering with the free rotary movement of the frame, and to prevent it when filled with clothes from being raised or blown from the upright post by the wind.

The lower end of the sleeve B is provided with a socketed metallic band, E, which latter serves the double purpose of strengthen-

ing the thin edges of the sleeve and removing any danger of splitting, and, also, by means of the sockets D, formed on the periphery of the band, presents a suitable place in which to insert the lower ends of the outwardly-flaring frame-pieces G, to which latter the wires g g are attached.

The upper end of the sleeve B has two vertical slots, a a', cut at right angles to each other, and at the point of their intersection a pillar, b', is placed, against which the ends of the longitudinal supporting-pieces F abut, and by virtue of which they are prevented from undue longitudinal movement in the slots.

Over the end of the sleeve B a metallic cap, H, is passed, which latter is supported on the four upright pieces, b, formed by cutting the slots or grooves in the end of the sleeve. This cap H, which protects the sleeve from the action of the weather, has its most important function in offering a convenient and desirable place for adjustably securing and retaining the horizontal supporting-pieces F. To this end elongated apertures o, running parallel with the sleeve, are formed on the periphery or outer rim of the cap H, which is so adjusted on the end of the sleeve B that these apertures o are in line with the two vertical slots a a'.

The apertures o are not as long as the vertical slots a a' are deep, consequently the apertures will open into a slot whose walls are parallel and flush with the sides of the aperture in the metallic cap; but below its edge, as at c, there will be a considerable depression.

The inner ends of the supporting-pieces F are cut off at right angles to the grain of the wood, and on the under side thereof, at a point from the end equal in distance to the radius of the sleeve, a slot, d, is cut, which latter is designed to drop over and engage with the lower edges of the elongated apertures o, formed in the periphery of the cap H. That portion of the lower edge of the supporting-piece F beyond the slot d, and designated in the drawings at e, serves as a key to prevent the withdrawal of the supporting-piece when in position. When, however, it is desired to collapse the frame by simply lifting up the outer ends and exerting a slight blow on the under side of the

piece F near its keyed end it will be unlocked, and may then be removed from the metallic cap and shut down upon the wire-supporting arms G.

5 The outer ends of the supporting-arms F are bolted or otherwise pivotally secured to the arms G at a point, *i*, on their lengths below the point of their attachment to the cap H, so that when so attached their outer ends will in-
10 cline downwardly. The upper edge of the extreme inner end thereof will be pressed up against the under face of the metallic cap H, and the slotted portions pressed down upon the retaining edge *c* of the aperture until the
15 lower ends of arms G rest in the sockets D in the band E, and which arrest their further descent and bear the load of clothes placed upon the rods.

It will be thus seen that the greater the
20 weight of clothes attached to the wires, the greater will be the rigidity of the frame.

At suitable distances apart on the lower edges of the pieces G wire eyes *f* are placed, or wooden or metal pins may be used in lieu
25 thereof, to be secured thereto in any desired way. Into these eyes the wires *q*, on which the clothes are hung, are linked. The wires, preferably of galvanized iron, as that is the
30 least liable to corrode and injure the fabrics, are in separate pieces, and of different lengths,

according to the place upon the frame for which they are designed. One end of the wire is provided with a loop or eye, which latter is linked into an eye on one frame-piece, and the other end is formed with a hook, allowing it
35 to be removably hooked to the corresponding eye in the next adjoining frame-piece, and so on around the frame.

Having fully described my invention, what I claim as new, and desire to secure by Let-
40 ters Patent, is—

In a clothes-drier, the combination, with a standard provided with a cylindrical upper extremity and a rotary sleeve journaled on the
45 latter, of a cap fitted over the slotted upper end of the sleeve, and provided with lateral openings in its depending sides, and frame-supporting pieces, whose inner extremities are inserted in said lateral openings, the lower
50 edges of said frame-supporting pieces being provided with transverse slots which engage with the lower walls of said lateral openings of the cap, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand.

CHAUNCEY PALMER.

Witnesses:

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A. I. SIMMONS.