

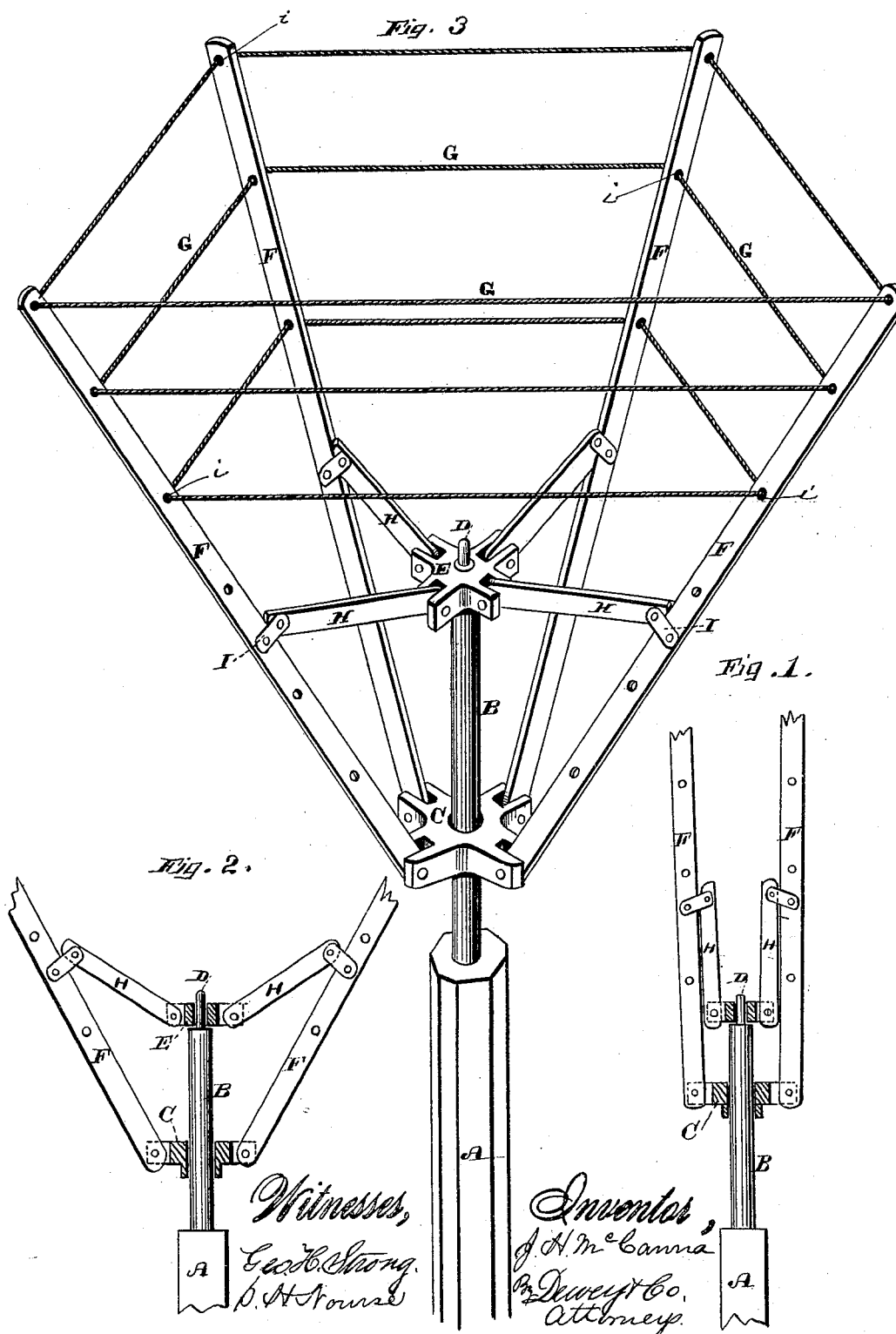
(No Model.)

J. H. McCANNA.

CLOTHES DRIER.

No. 266,040

Patented Oct. 17, 1882.



UNITED STATES PATENT OFFICE.

JAMES H. McCANNA, OF FRESNO CITY, CALIFORNIA.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 266,040, dated October 17, 1882.

Application filed April 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. McCANNA, of Fresno City, county of Fresno, and State of California, have invented an Improved Clothes-Drier; and I hereby declare the following to

be a full, clear, and exact description thereof. My invention relates to certain improvements in that class of clothes-driers in which a number of arms diverge from a supporting center to which they are hinged or joined and have lines extending from one to the other. These arms have usually short braces pivoted to them and meeting midway, the whole being supported upon a central post.

My invention consists of diverging arms the lower ends of which are hinged to a hub which slides loosely upon a vertical post, and their upper ends are united by particularly-arranged parallel lines upon which the clothes are to be hung. A second hub or cross is fitted upon a pin upon the top of the post, and short arms extend from it upward and outward until they meet the longer arms, to which they are connected by links. The angle of these short arms is more obtuse than that of the longer arms, and as the center or hub of the longer arms slides loosely upon the post the weight is supported by the short arms and their hub, and they then operate to keep the outer arms extended, and the greater the weight of clothes upon the lines the tighter they will be stretched.

Referring to the accompanying drawings for a more complete explanation of my invention, Figure 1 is a sectional view of my drier, showing the manner of folding it up. Fig. 2 is a sectional view of the device extended. Fig. 3 is a perspective view of the apparatus extended.

A is a post, which may be set in any convenient or desired position to support the frame. The upper part of the post may be made round at B to receive the hub or cross C, which slides loosely upon it. A stout pin, D, is fixed in the top of the post, and a second hub or cross, E, is fitted upon this pin, resting upon the top of the post, as shown. Arms F have their lower ends hinged to the hub C and diverge from this point upward and outward. These arms have lines G extending between them for clothes.

From the second hub or cross, E, arms H extend at a less angle, and are united with the

outer arms at some point within their length by links I. Above the point where arms H are attached to arms F, and passing through holes *i i* in arms F, are a series of ropes to sustain the clothes to be dried, and these ropes must be of such dimension that arms F cannot separate or spread to such an extent as to allow arms H to come down to a horizontal line, and thereby making the thrust of support on arms H and upper or separating hub E. As these arms make an angle upward between the hub E and their point of connection with the arms F, it will be manifest that the weight of the whole frame is supported from the hub E, and as the arms are slightly drawn down by the weight their outer ends will press the arms F outward, and thus keep the lines G extended at all times, whatever may be the weight upon them. When the frame is removed from the post and folded up the hub E approaches the hub C and the arms H will lie parallel with the arms F.

By this construction the device is supported from the upper hub, and as the lower hub slides loosely the arms are always kept fully distended. The links I allow the arms to adjust themselves, so that the tension will be equal upon all the arms.

I am aware that heretofore clothes-driers having the general characteristics of my invention have been made with their lower hubs both fixed and sliding, said lower hubs supporting the rope-sustaining arms; but in such instances the strain on the ropes does not keep the arms distended by the weight of the clothes.

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

In a clothes-drier, the post B and sliding (unsupported) hub C, to which is pivoted the lower ends of the rope-holding arms F F, in combination with the fixed hub E, pivoted arms H, connecting said hub with arms F, and ropes G of a dimension to prevent arms F from spreading to such an extent as to allow arms H to reach a horizontal position, as set forth.

In witness whereof I hereto set my hand.

JAMES HARASON McCANNA.

Witnesses:

W. J. LUCAS,
S. H. HILL.