

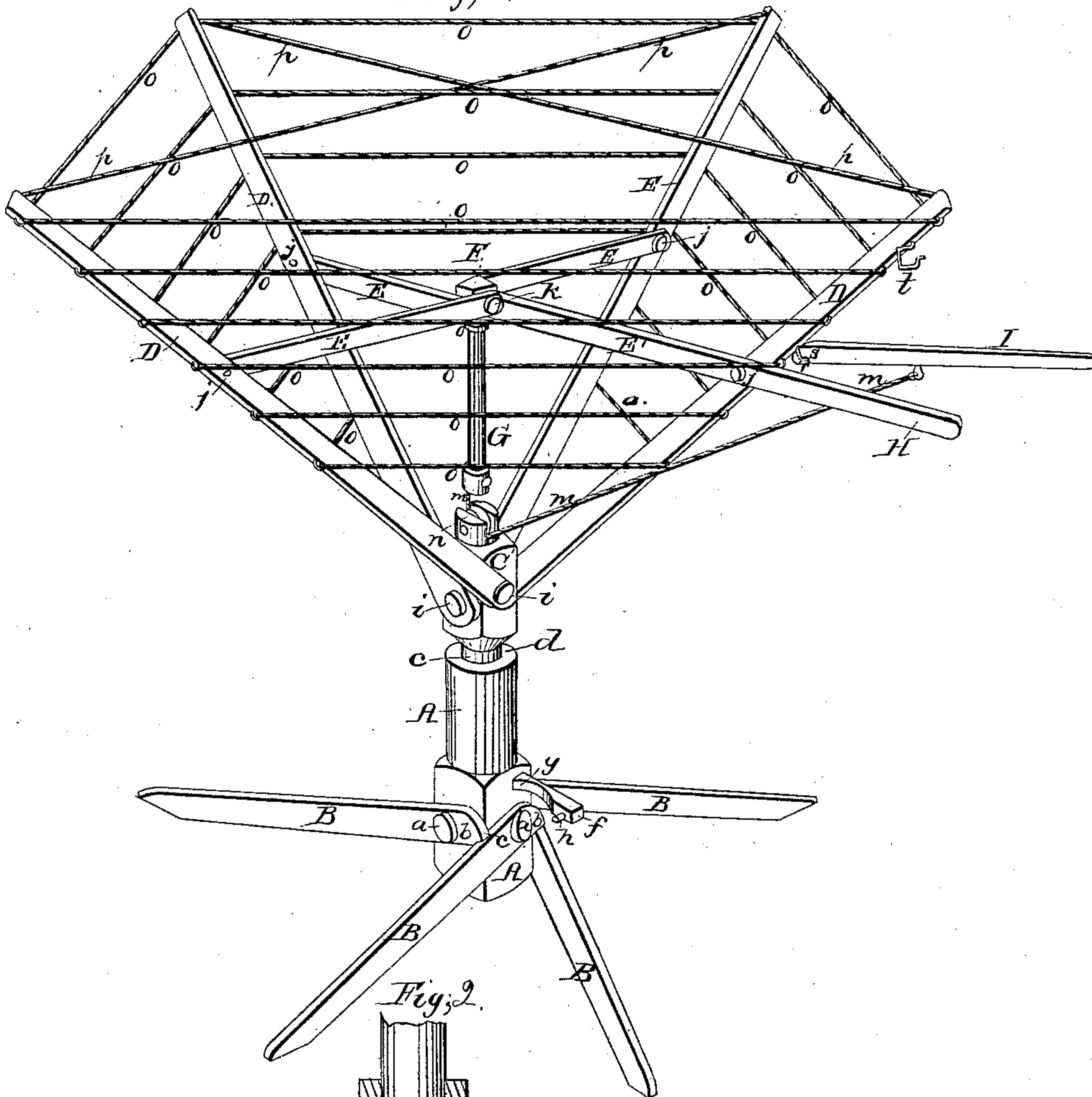
*S. T. Lamb,*

*Clothes Drier,*

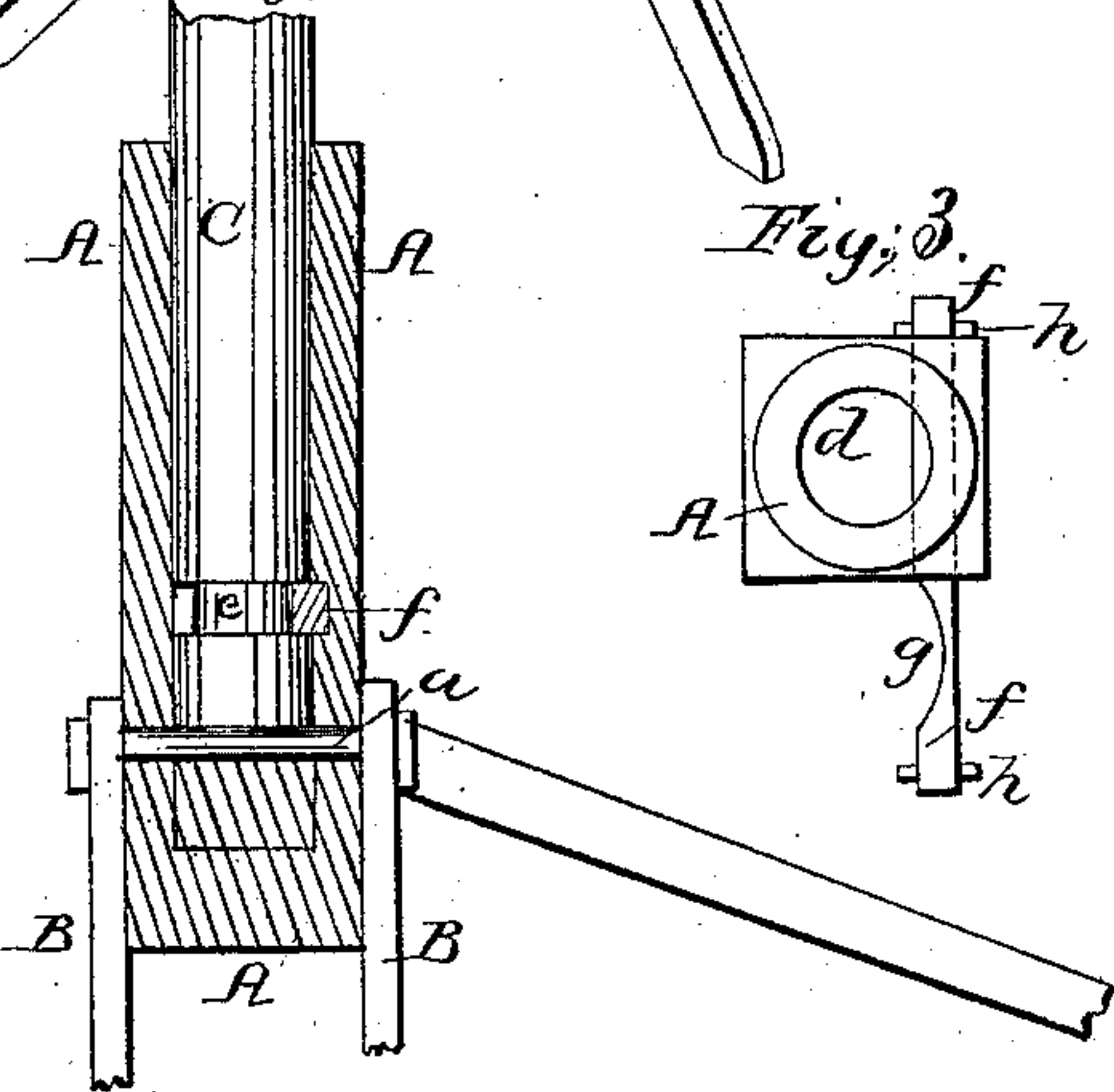
*N<sup>o</sup> 30,069,*

*Patented Sept. 18, 1860*

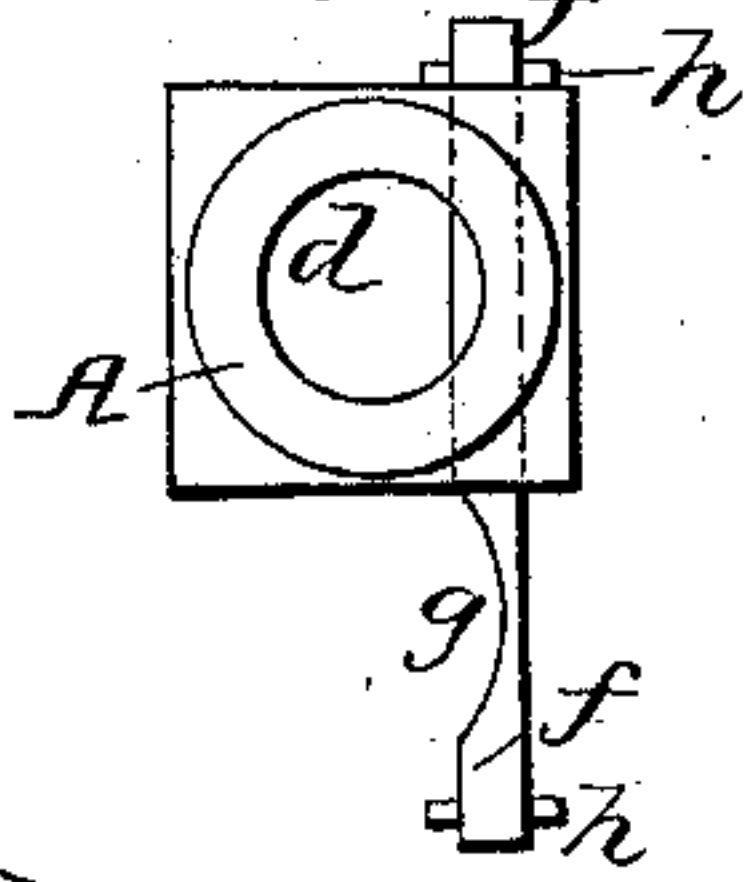
*Fig; 1.*



*Fig; 2.*



*Fig; 3.*



*Witnesses;*  
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# UNITED STATES PATENT OFFICE.

SALEM T. LAMB, OF NEW WASHINGTON, INDIANA.

## CLOTHES-FRAME.

Specification of Letters Patent No. 30,069, dated September 18, 1860.

*To all whom it may concern:*

Be it known that I, SALEM T. LAMB, of New Washington, in the county of Clark and State of Indiana, have invented certain  
5 new and useful Improvements in Clothes-Driers; and I do hereby declare the following to be a full, clear, and exact description of the construction and operation of the same, reference being had to the accom-  
10 panying drawings, making a part of this specification, in which—

Figure 1, represents a perspective view of the clothes drier spread out and ready for use. Fig. 2, represents a vertical section  
15 through the pedestal or stand, and showing how the spindle is connected thereto, so as to freely turn or be removed therefrom, as occasion may require. Fig. 2, represents a top plan of the pedestal.

20 Similar letters of reference where they occur in the separate figures, denote like parts in all the drawings.

The leading feature of my invention consists in the manner in which I connect the  
25 arms of the drier to each other, to the spindle (or the hub thereof), and to a lever extending outside of the frame, so that the person standing outside of the frame, may raise or lower the arms with facility.

30 My invention further consists in combining with the arms and their connections, a straining cord and purchase for spreading, and holding in a spread out position said arms.

35 My invention further consists in the manner in which I make and arrange the hinged or folding legs, so that they will when spread out lap over each other, and bear  
40 equally on each side of the pivot pin, to prevent them from splitting.

My invention further consists in the devices for securing the spindle in the socket of the pedestal or hub, so that the frame  
45 may freely turn in the pedestal, or be removed therefrom, as occasion may require.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the  
50 drawings.

A represents a pedestal, post, or hub, to which are pivoted as at *a*, *a*, the four legs  
B, B, B, B, that support the clothes drier, the portions *b* of the legs, beyond the pivot,  
55 being long enough, to lap over the next adjacent leg, and slightly cut away as at *c*, to make a firm support thereon. This brings

the weight of the frame evenly on each side of the pin or pivot *a*, and thus prevents them from splitting.

A hole *d*, is bored vertically into the  
pedestal, in which the spindle C snugly fits  
and may turn. A groove *e*, is cut around  
the spindle C, near its lower end, and a  
peculiarly shaped key *f*, is passed through  
the pedestal, so as to fit into said groove. 30  
This key *f*, is cut away at *g*, so that when  
this cut away portion is opposite the groove,  
the spindle and frame connected to it may  
be lifted out of the pedestal; but when the  
other portion of the key, as in Fig. 3, is op- 70  
posite the groove, the spindle and frame  
may freely turn on or in the pedestal but  
cannot be removed therefrom. To prevent  
the key *f* from being lost or mislaid, pins *h*  
are passed through its ends, which pins may 75  
also be guides to know when the spindle is  
fast or loose in the pedestal, as when one  
pin is run up to the pedestal the spindle is  
keyed fast, and when the opposite pin is run  
up to the pedestal the spindle can be lifted 80  
out of its socket.

To a hub C', on the spindle C, are pivoted  
as at *i*, four arms D, D, D, D, which extend  
upward and outward as seen in Fig. 1, and  
at or near the central portions of these arms, 85  
are pivoted as at *j*, four arms E, E, E, E',  
which project toward a common center,  
where they are also pivoted to a hub F, as at  
*k*, said hub being formed at the upper end of  
a rod G, which extends downward, and in 90  
line with the spindle C, said rod being sus-  
pended to, or by the inner ends of the arms  
E. The arm E', of the series, extends out  
beyond the arm D, to which it is pivoted,  
far enough to form a lever H, which can be 95  
grasped and operated by a person standing  
outside of the frame, for raising or lowering  
said frame.

A cord or rope *m*, is fastened to the lower  
end of the rod G, by one of its ends, and 100  
thence passing under a pulley *n* fastened to  
the top of the spindle C, its other end is  
fastened to a straining lever I, this being for  
the purpose of straining up, and holding the  
cord or line *o* that is reeved or run through 105  
the arms D; and to prevent the arms D from  
spreading too far, and to relieve them of the  
weight which would tend to draw them  
down, cross ropes *p* are united to them,  
which tie them together at their tops. The 110  
straining lever I, has a notch cut in its end,  
which takes into or under a staple or catch



*r*, in the arm to which the long or lever arm *E'*, is pivoted, and then by raising up said lever *I*, the arms *D*, are pressed outward and tighten up the line *o*; the end *s* of said lever  
 5 may then be passed into the hook or catch *t*, and there held, which holds the frame in its extended position.

When the frame is to be let down, the lever *I* is first detached, and then by drawing  
 10 down the lever *H*, the arms all come together and closely fold up. The legs may also be folded up together, and the frame and pedestal disconnected. In this position the clothes drier, lines and all, occupies but  
 15 little space, while the frame when extended though occupying less than ten feet square in space, will take some one hundred and fifty feet of clothes line—those *p*, being also available to hang clothes upon.

20 Having thus fully described the nature and object of my invention, what I claim therein as new, and desire to secure by Letters Patent, is—

25 1. In combination with the series of hinged and folding arms *D*, *E*, the lever *H*,

extending out beyond the frame, for the purpose of raising or lowering said frame, substantially as described.

2. In combination with the series of hinged and folding arms *D*, *E*, the straining  
 30 lever *I*, with its cord *m*, for straining up and holding in a strained up position the clothes lines substantially as described.

3. In combination with the groove *e*, on the spindle, the cut away key *f*, in the pedest-  
 35 al, for the purpose of removing the spindle from the pedestal when necessary, or for locking thereto, but always so that it may turn around substantially as, and for the  
 40 purpose described.

4. So shaping and arranging the legs *B*, on the pedestal, that their upper ends shall  
 45 lock or lap over each other, and bear equally on each side of the pivot pin, to prevent their splitting, substantially as described.

SALEM T. LAMB.

Witnesses:

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 I. HIRSCH.