

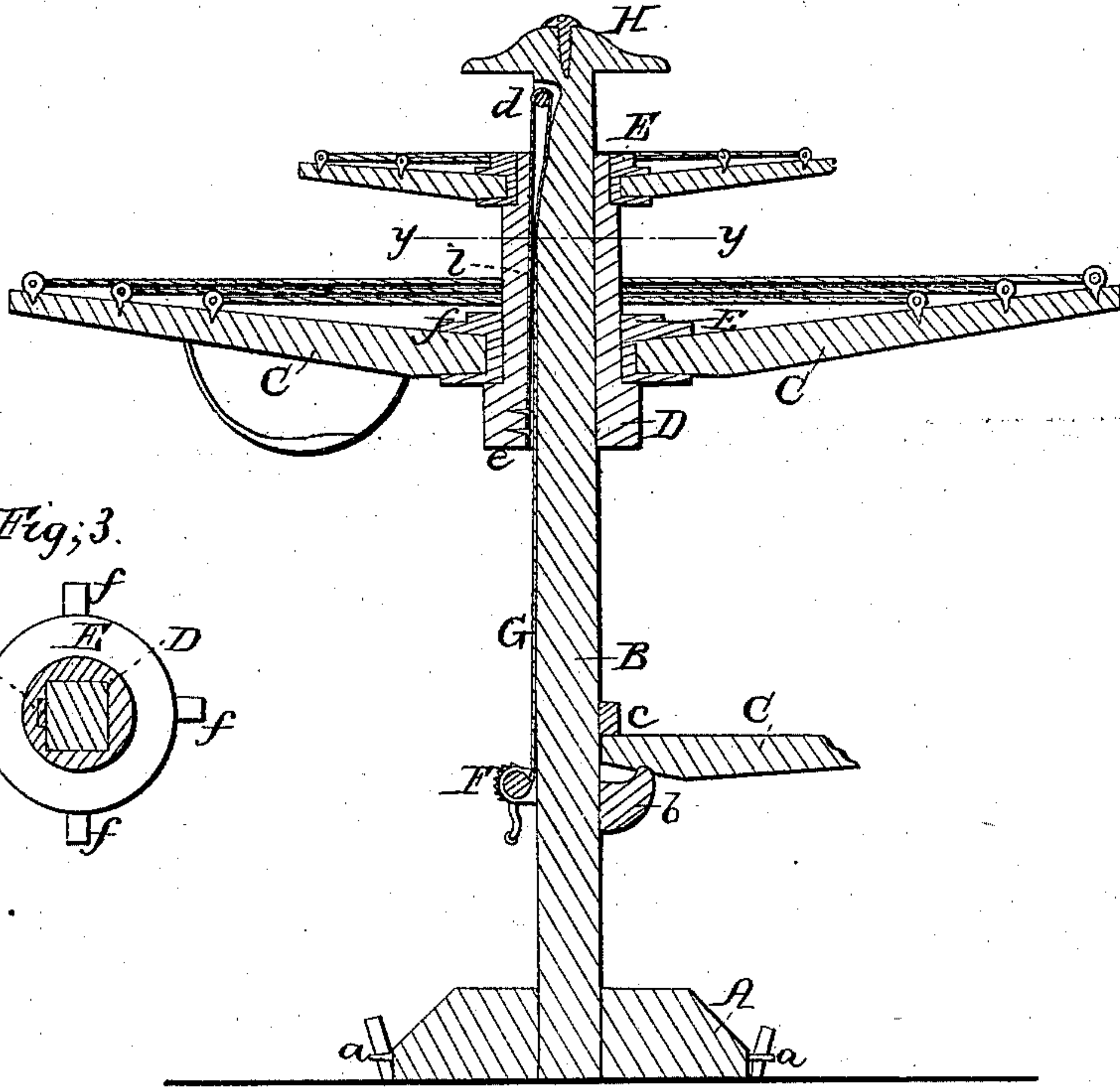
W.F. Redding,

Clothes Drier,

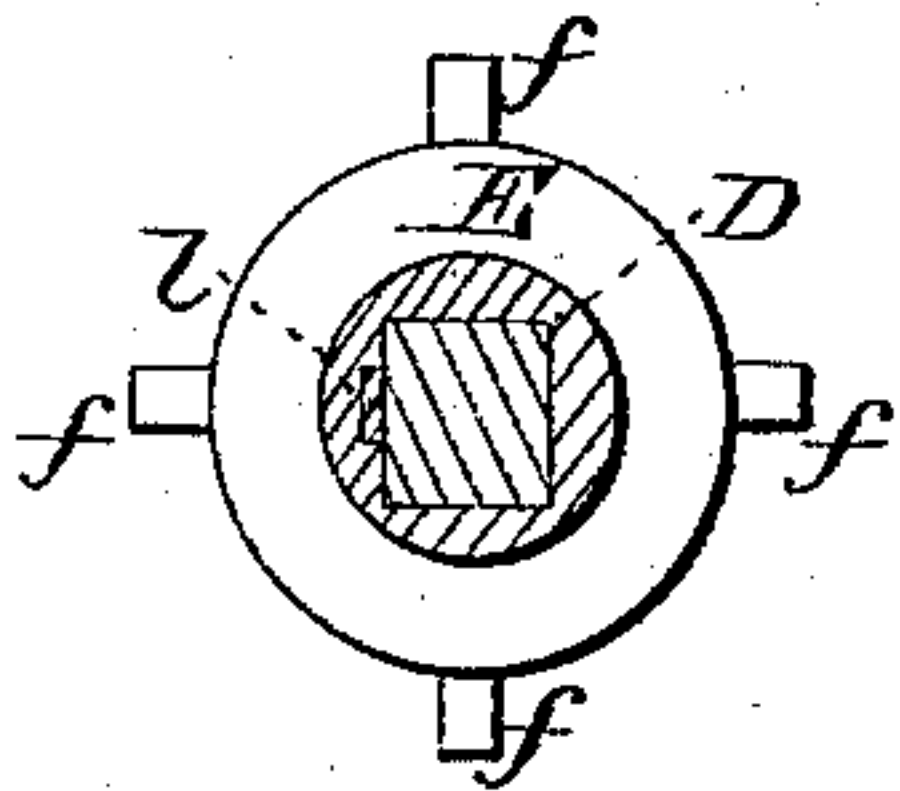
Nº 66,520,

Patented July 9, 1867.

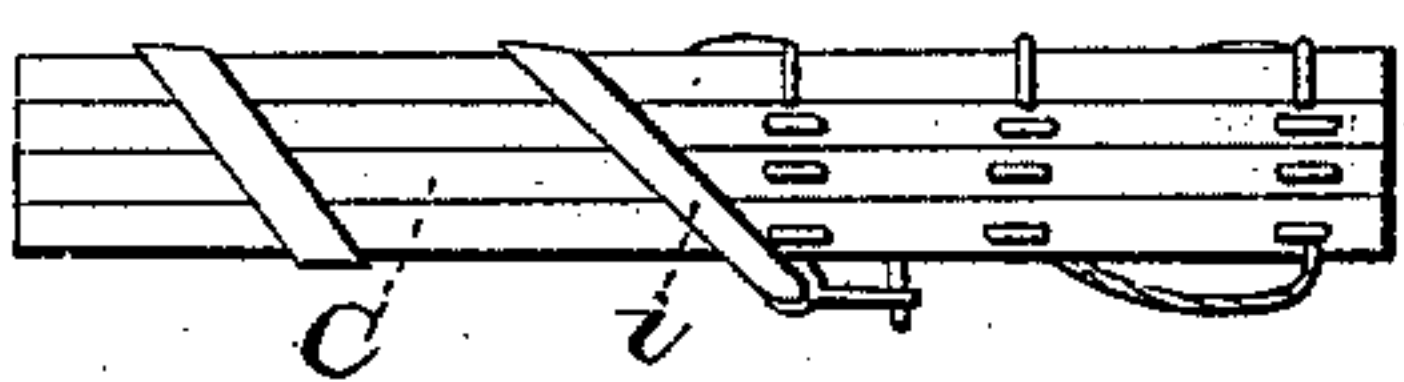
Fig; 1.



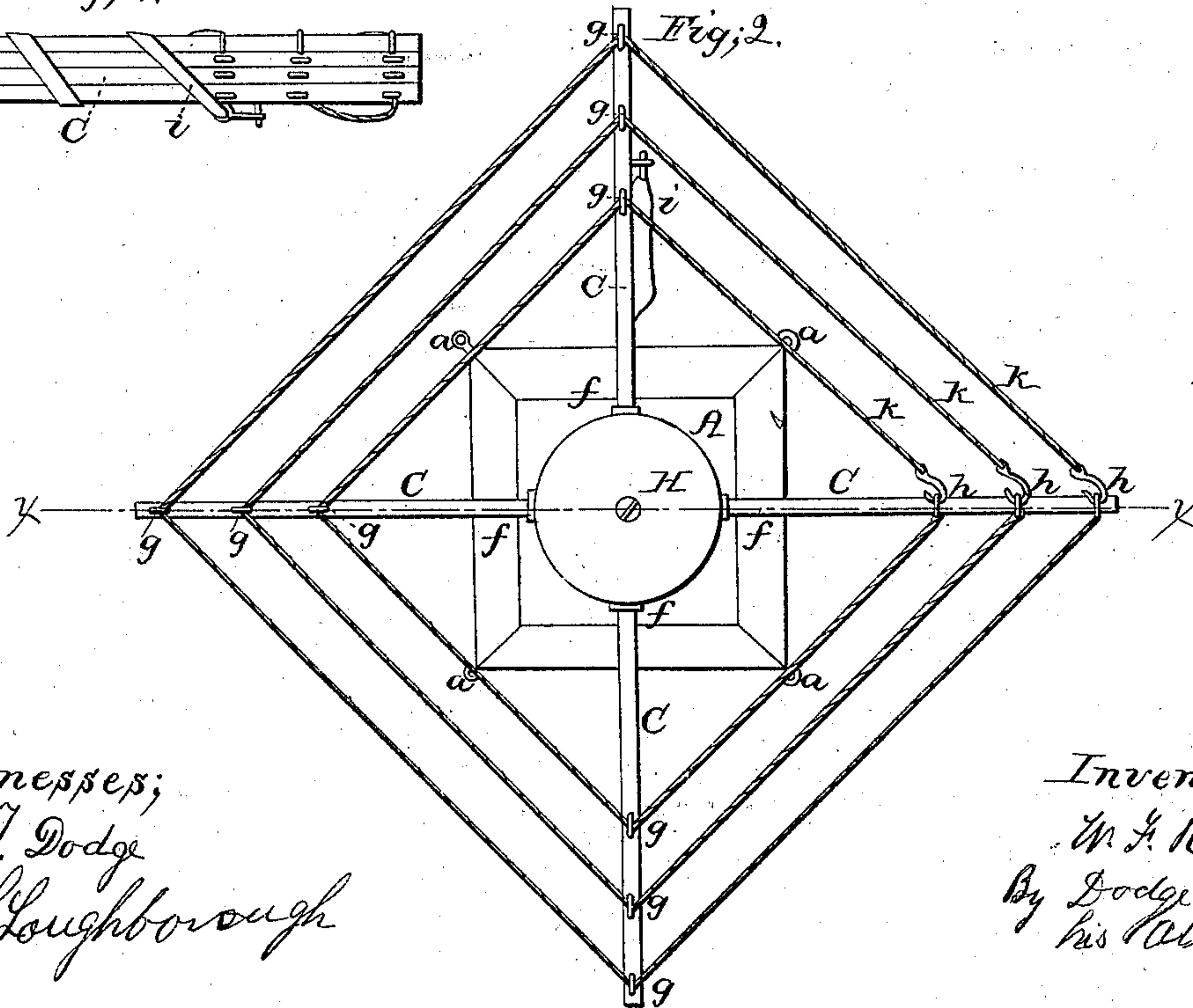
Fig; 3.



Fig; 4.



Fig; 2.



Witnesses;
P. J. Dodge
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United States Patent Office.

W. F. REDDING, OF SARATOGA SPRINGS, NEW YORK.

Letters Patent No. 66,520, dated July 9, 1867.

IMPROVED CLOTHES-DRYER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, W. F. REDDING, of Saratoga Springs, in the county of Saratoga, and State of New York, have invented certain new and useful improvements in Clothes-Drying Apparatus; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use my invention, I will proceed to describe it.

My invention consists of a new and improved clothes-dryer for convenient use in the yard or on the top of the house, or other suitable place. In the drawings—

Figure 1 is a vertical sectional view on the line *x x*, fig. 2.

Figure 2 is a top plan view.

Figure 3 is a horizontal sectional view on the line *y y* of fig. 1; and

Figure 4 is a plan view of the arms when removed from the collar and tied up.

I construct my clothes-dryer of a solid square base, A, and square post, upright, or standard B, framed firmly to it. At each corner of the base A I fasten an eye, *a*. Upon the square post B I place a sliding-tube, D, so as to move vertically; and upon the tube D I place a collar, E, which rotates horizontally, and rests upon a shoulder made around the tube. I can make the tube long enough to receive two collars, one smaller than the other, and place them far enough apart to prevent the use of the upper one from interfering with the lower, and make two shoulders or bearings on the tube, as shown in fig. 1. The collars E I provide with four hollow projections, as shown in figs. 1 and 3, and into these projections place arms C of any desired length. These arms are provided on their upper surfaces with eyes *g*, arranged to stand parallel with them, except upon one arm; on this arm they are arranged to stand at right angles with it, and are marked *h*. The cords or lines are fastened to the eyes *h* at one end; the other ends are passed through the eyes *g*, and are each provided with a hook to fasten to the eyes *h* after being passed through the eyes *g*, as shown in fig. 2. The collar E, arms C, and lines *k*, form a reel upon which the clothes are hung to dry. The post B I provide at a convenient height with two bearings *b* and *c*, and far enough apart to receive the ends of the arms C. The lower bearing *b* is turned up a little at its outer end, and is made to project farther from the post than the upper bearing *c*, as shown in fig. 1. The upper bearing *c* receives and supports the sliding-tube D, with whatever may be attached to it. Near the upper end of the post, and on one side of it, I place a pulley, *d*, in a groove cut in it for that purpose; and at a convenient height from the bottom of the post, in the vicinity of the bearing *b*, I place a small windlass, F, provided with a ratchet and pawl, or hook, or strap, or any convenient device for holding it in any desired position. To this windlass I attach one end of a thin, flexible metallic strip, G, and pass the other end up over the pulley *d*, and down through a groove, *l*, on the inner side of the sliding-tube D, and fasten it near the bottom or on the under side of the tube. On the top of the post B I place a cap, H. One of the arms C I provide with an eye, *i*, on its side, and to the same arm I attach a strap sufficiently long to pass two or three times around the arms, when they are removed from the post and placed together, and fasten or hook into this eye. These arms I keep tied up in this way when not in use; and when so tied up the hooks at the ends of the lines may also be fastened into the same eye.

In using my clothes-dryer I place the standard in any convenient place, whether upon the ground or on the top of my house; if upon the ground I fasten it by driving stakes or pins through the eyes *a*; if upon my house, then by hooks attached to cords fastened to the house, and caught into these eyes. I then take out the arms C, which have been provided with the lines *k*, and tied together, and rest them between the bearings *c b*. Unhooking the strap which binds them together, I place the arms C, one after the other, into the hollow projections of the collar E, turning each arm from me after it is so placed, and, after all are in position, hook the ends of the lines into the eyes *h*. This done, the clothes are placed upon the lines, and the reel elevated by means of the windlass to the position desired. When the clothes want to be removed from the lines, I lower the reel, take down the arms, tie them up, and carry them into the house till wanted again.

For elevating and lowering the reel, I prefer a thin, flexible metallic strip, for the reason that it is not affected by the weather, and will last an indefinite length of time. Cord, or leather, or wire may be made to

answer a similar purpose. The cap upon the post serves to protect it, as well as the pulley placed just beneath it. By my method of putting up and taking down the arms, they may be used whenever desired, and conveniently kept in the house, and, with the lines attached, protected from the weather.

Having thus described my invention, what I claim, is—

1. The combination of the sliding-tube D, mounted on the square post, and collar E, provided with recesses for supporting the arms, substantially as shown and described.

2. The metal belt G, passing over the pulley *d*, and fitting in the groove *l*, when used in connection with the tube D and windlass F for raising and lowering the reel, as herein set forth.

3. The blocks *b c*, or their equivalents, attached to the post B, for holding the arms when putting them up or taking them down, as shown and described.

4. Providing the base A with the staples *a*, for securing the apparatus in place, substantially as described.

W. F. REDDING.

Witnesses:

P. T. DODGE,

THEO. YATES.