

(No Model.)

C. F. BUEHLER.

CLOTHES DRIER.

No. 331,864.

Patented Dec. 8, 1885.

Fig. 1.

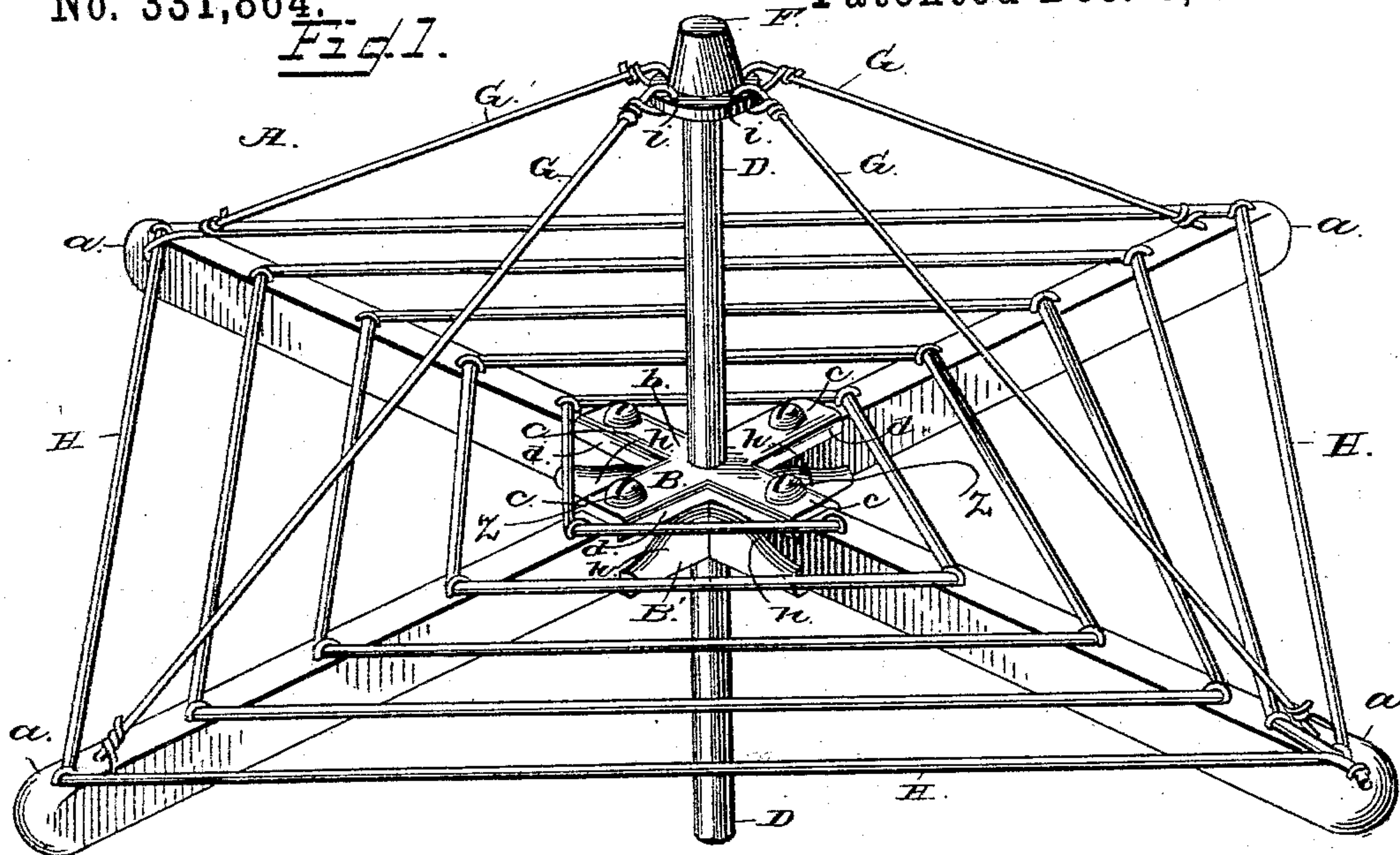


Fig. 2.

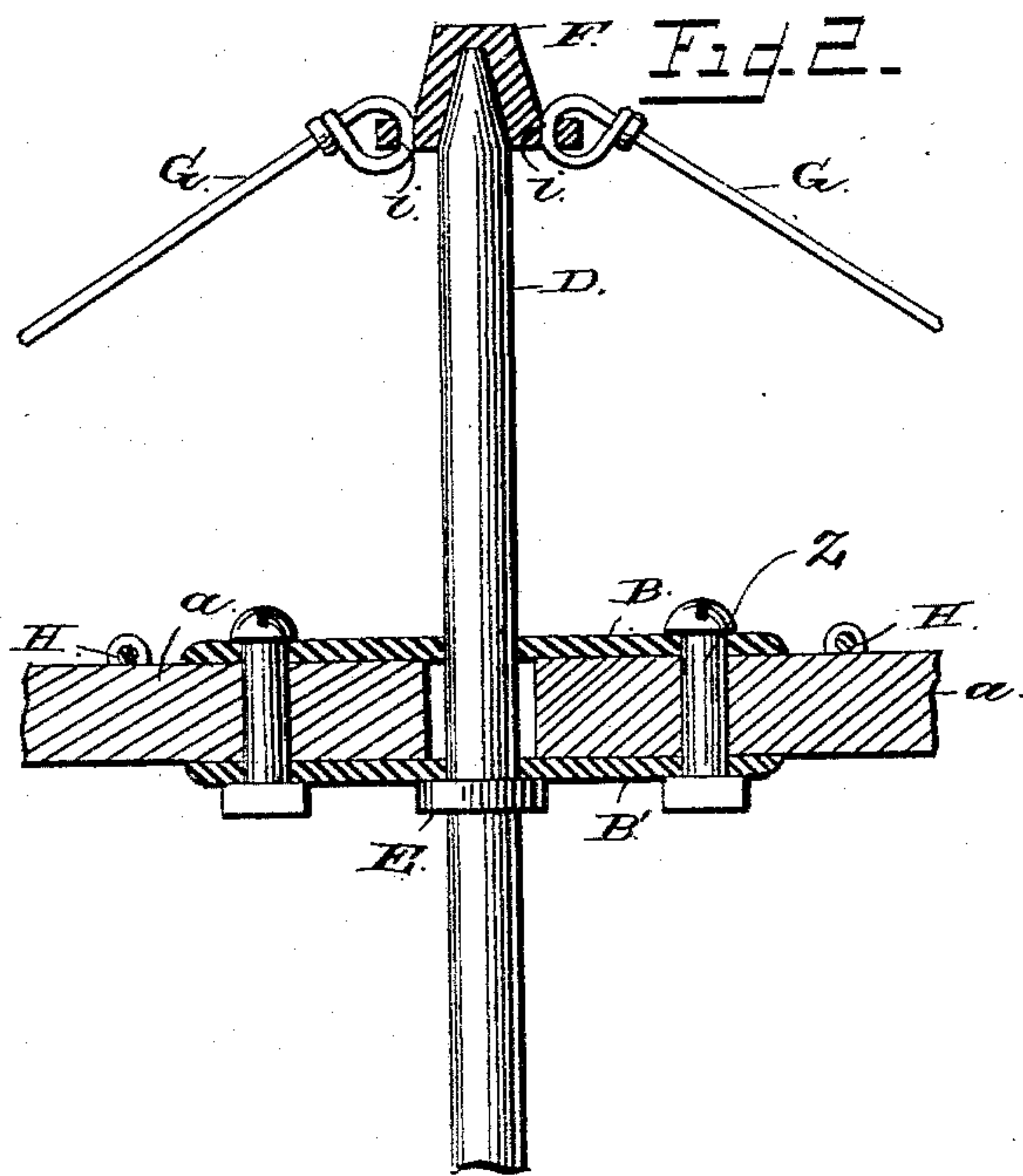


Fig. 3.

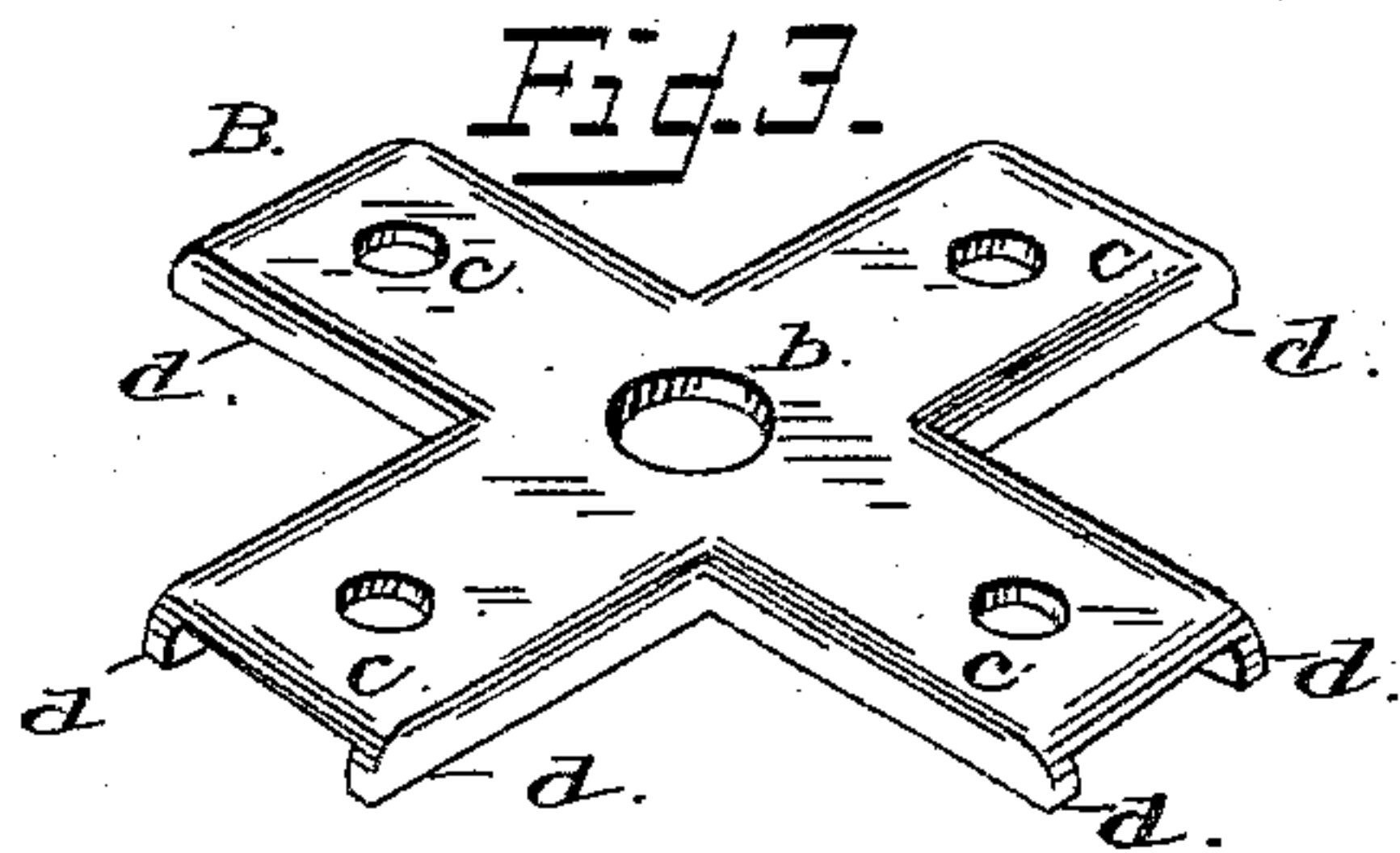
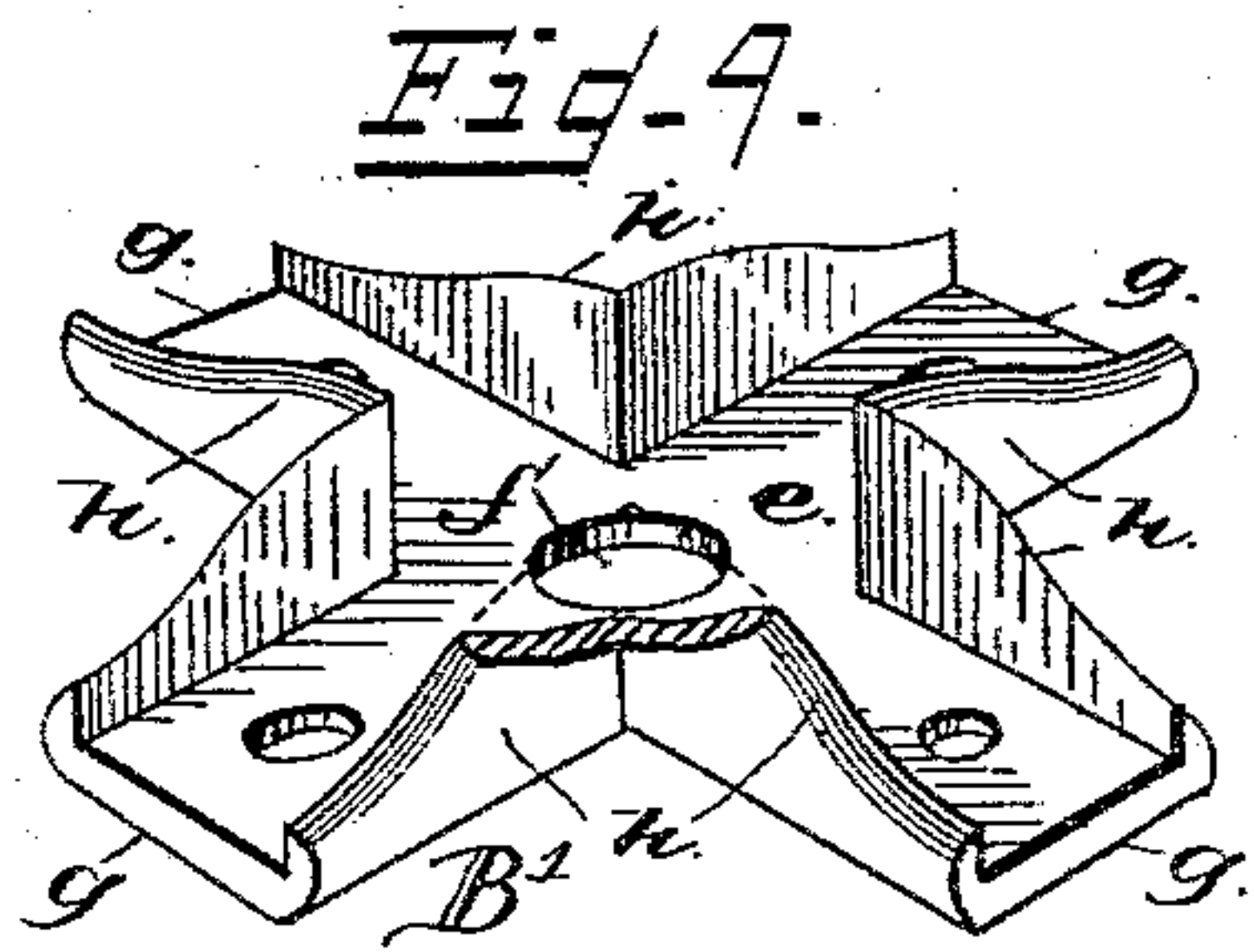


Fig. 4.



WITNESSES

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CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 331,864, dated December 8, 1885.

Application filed January 24, 1885. Serial No. 153,890. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. BUEHLER, a citizen of the United States, residing at Spencerville, in the county of Allen and State of Ohio, have invented a new and useful Improvement in Clothes-Driers, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to clothes-driers, and more particularly to that class in which a frame is adapted to revolve upon a suitable supporting-rod; and it has for its object to provide an improved bearing for the support of the said frame upon the rod, and to provide said rod with an integral collar, upon which the frame is adapted to bear or rest.

A further object of the invention is to provide improved means for bracing and connecting the inner ends of the bars or strips composing the frame.

With these ends in view the invention consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a clothes-drier constructed in accordance with my invention. Fig. 2 is a vertical section of the same, and Figs. 3 and 4 are detail views of the bracing-plates connecting the inner ends of the strips or bars composing the frame.

In the accompanying drawings, in which like letters of reference indicate corresponding parts in all the figures, A represents the frame, which consists of a series of four strips, *a*, having their inner ends connected and resting between metal plates B B'. The upper of these plates, B, is composed of a main or central portion, *b*, having a hole or opening, and provided with the outwardly-extending arms *c*, having the downturned flanges *d*, which are adapted to bear against the sides of the bars or strips *a*, the said top plate, B, approximating a Roman cross in form. The lower plate, B', is of the same form as the plate B, and consists of a central portion, *e*, having a hole or opening, *f*, and a series of opposite outwardly-extending arms *g*. The said arms *g* are provided with upwardly-extending side flanges, *h*, which at their inner ends bear against the downwardly-extending flanges of the upper plate, B, thus entirely inclosing the inner ends

of the arms *a*, and bracing the same against movement or detachment. The inner ends of the arms *a* only extend inwardly as far as a point on a vertical line with the points of junction of the arms *c* and *g*, with body portions *b* and *e* of the plates B B', thus leaving sufficient space for the passage of the end of a supporting-rod, D. The plates B B' are clamped firmly on the inner ends of the radial arms of the reel by bolts Z, which pass through said plates and through the inner ends of the arms, as shown at Fig. 2. This supporting-rod D is formed with a collar, E, which supports the frame, the plate B' bearing or resting on said collar. The upper end of this rod is conical, and is adapted to fit a conical seat in a thimble, F, having an annular flange at its lower end, which annular flange is provided with a series of openings, *i*, in which are secured the ends of wires G, their other ends being secured to the outer ends of the bars or strips *a*, thus affording a double support for the frame A and holding the same in position.

H represents the clothes line or wire—in the present instance wire—which is secured at one end to one of the bars or strips *a* near the inner end thereof, and from there to the next strip, and so on around the frame, the line being secured upon the bars or strips *a*, preferably by staples, as shown.

The above-described clothes-drier is simple in its construction, may be manufactured and supplied at a slight cost, is strong and durable, and provides convenient and effective means for the purposes intended.

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

1. The combination, in a clothes-drier, of the rod, the thimble thereon, the rotating reel on the rod, and brace-rods connecting the reel with the thimble, the reel consisting of the radial arms *a*, the plates B and B', having the central openings for the rod, and the side flanges, *d* and *h*, for embracing the sides of the radial arms, the said flanges meeting at the inner ends of the arms, the plates being clamped upon the arms and secured together by bolts Z, passing through said plates and through the inner ends of the arms, substantially as described.

2. The herein-described clothes-drier, con-

sisting of the reel having the upper and lower plates, B B', provided with the central openings, the radial arms having their inner ends terminating on each side of the openings, and
5 secured by vertical bolts Z between the plates, the supporting-rod D, having an integral collar, E, and provided with a conical upper end, a conically-recessed thimble receiving the upper end of the rod, an annular flange formed
10 around the base of the thimble, and wires G,

connecting the flange with the radial arms, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

CHARLES FREDERICK BUEHLER.

Witnesses:

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J. N. BAILEY.