

O. P. Allen,
Clothes Drier,

Nº 29,943,

Patented Sept. 11, 1860.

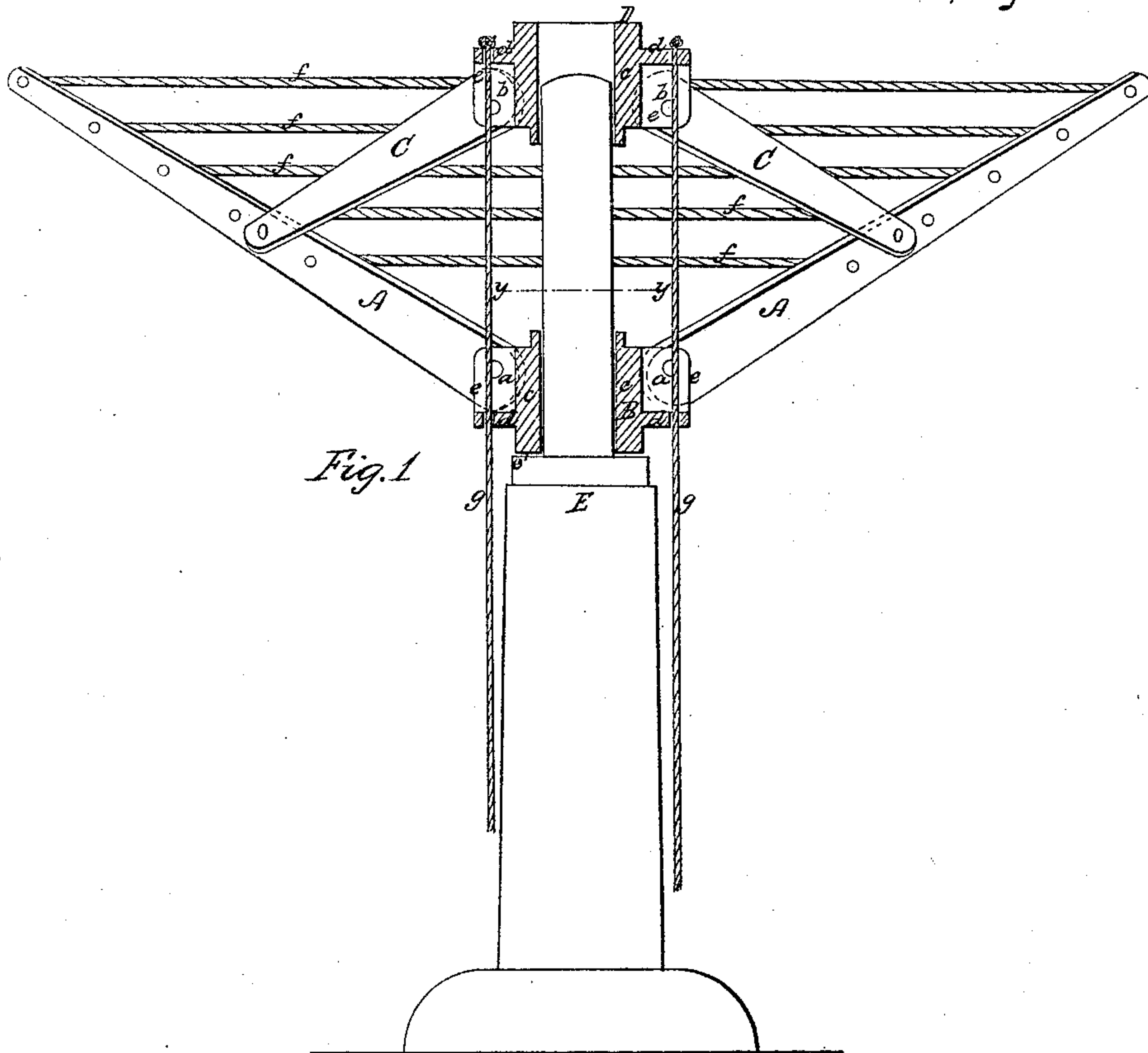


Fig. 1

Fig. 2

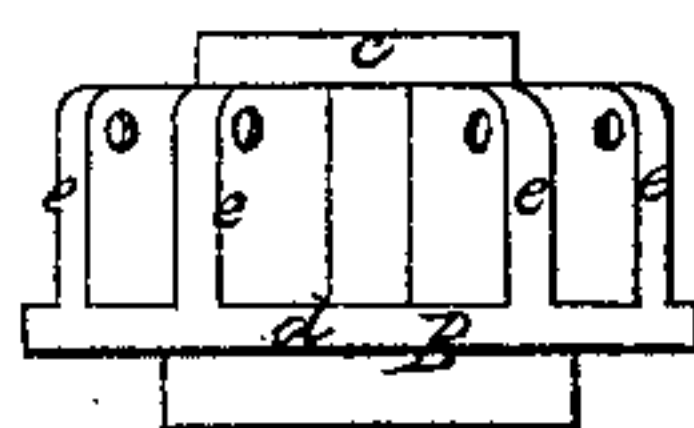
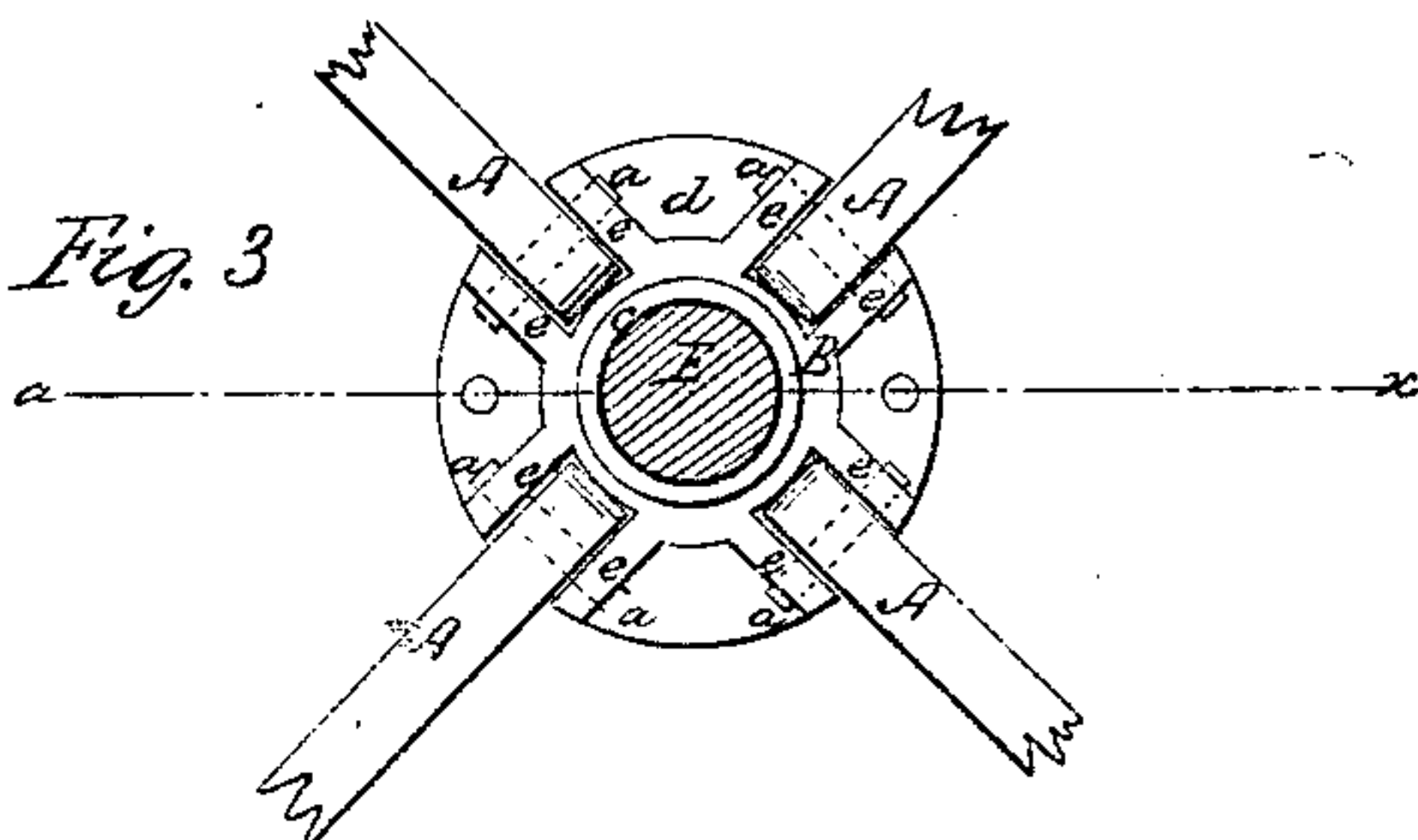


Fig. 3



Witnesses;
J. W. Coombs
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Inventor;
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per Munnyc

UNITED STATES PATENT OFFICE.

O. P. ALLEN, OF RINDGE, NEW HAMPSHIRE.

CLOTHES-DRIER.

Specification of Letters Patent No. 29,943, dated September 11, 1860.

To all whom it may concern:

Be it known that I, O. P. ALLEN, of Rindge, in the county of Cheshire and State of New Hampshire, have invented a new and Improved Clothes-Drier; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a vertical central section of my invention the line *x, x*, Fig. 3, indicating the plane of section. Fig. 2 is a side elevation of one of the guide brackets detached. Fig. 3 is a horizontal section of my clothes drier taken in the plane indicated by the line *y, y*, Fig. 1.

Similar letters of reference in the three figures indicate corresponding parts.

To enable those skilled in the art, to make and use my invention I will proceed to describe its construction and operation with reference to the drawings.

My clothes drier is constructed out of four or more arms A, which are secured to the lower guide bracket B, by means of a wire or rivets *a*, and which are steadied and retained in their position by braces C, that are secured to the upper bracket D, by a wire or rivets *b*. Said brackets are constructed with a central ring or sleeve *c*, and with a flange *d*, which support the ears *e*, between which the ends of the arms and braces are placed. If the ends of the arms and braces are secured to the brackets by the rivets or wires *a, b*, said ends bear against the sleeves and flanges, so that the arms and braces do not depend entirely for support on the rivets or wires and that the largest portion of the strain to which said arms and braces may

be subjected, is supported by the sleeves and flanges.

The lower bracket B, rests on the shoulder *e'*, which is formed on the post E. This post consists of two parts the lower part being the thickest. This part is secured in the ground and the upper part or stem is inserted into it, leaving the shoulder *e'*, for the bracket B, to rest on as clearly shown in Fig. 1, in the drawing. A washer of metal or leather may be placed under said bracket to facilitate its motion around the stem. When the arms A, are spread as far as the cords or lines *f*, which unite the same will permit, the upper bracket D, passes over the stem, and two ropes *g*, which are firmly secured to the flange of the upper bracket, serve to depress said bracket and to spread the arms until the lines *f*, are taut. The ropes *g* extend through holes in the lower bracket B, close down by the sides of the post E, so that they can easily be reached from the ground.

By these means I am enabled to produce a cheap and durable clothes drier, which can easily be managed and which can not easily get out of order.

What I claim as new, and desire to secure by Letters Patent, is—

A clothes drier having in combination the metallic brackets B, D, with sleeves *c*, and flanges *d*, rivets or wires *a, b*, ropes *g, g*, arms A, braces C, and post E, and operating as and for the purpose herein set forth.

O. P. ALLEN.

Witnesses:

GEO. W. TODD, Jr.,

STEPHEN B. SHERWIN.