(No Model.)

F. E. TRUDE.

CLOTHES DRIER.

No. 496,961. Patented May 9, 1893.

Fig 1

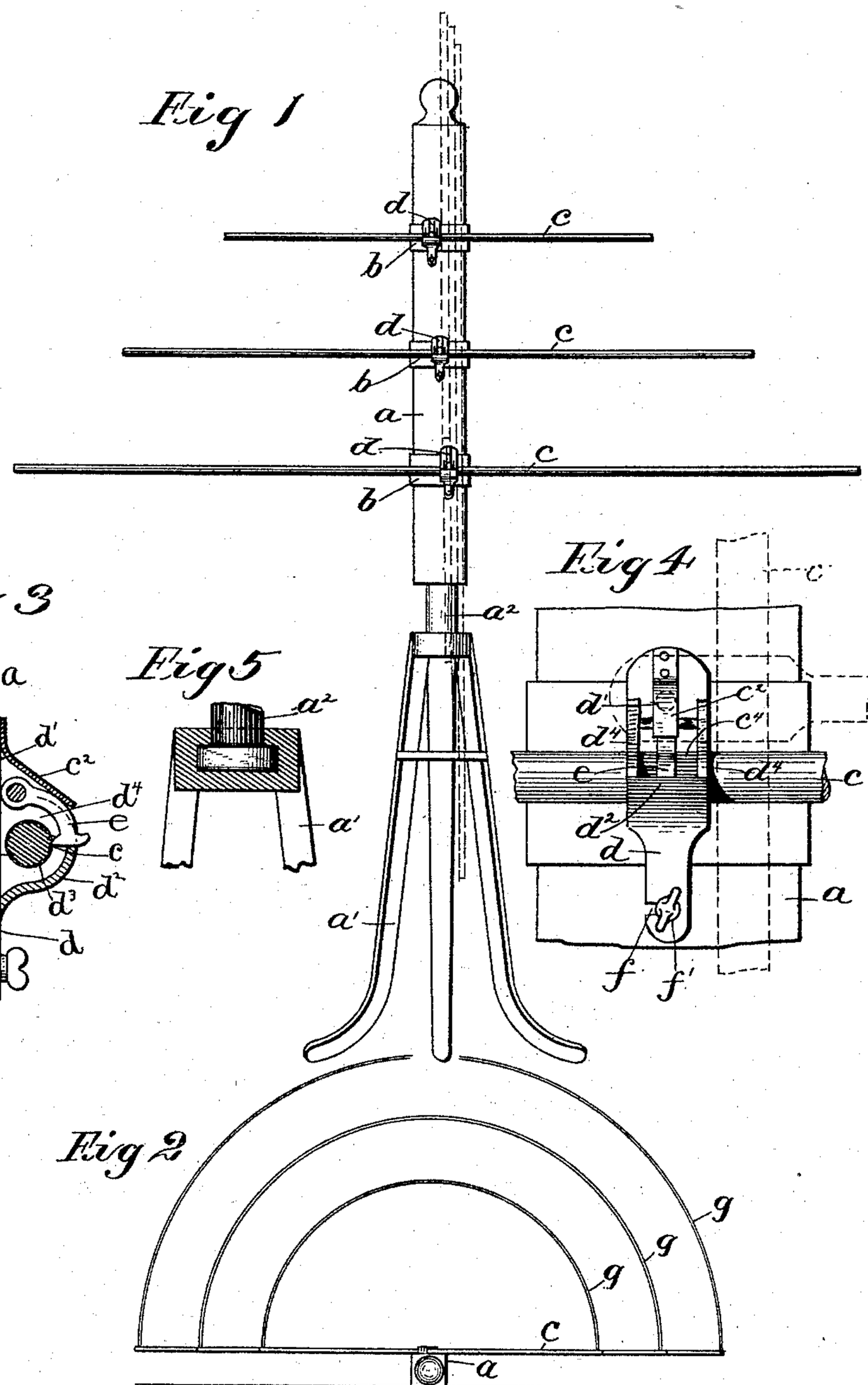

Fig 3

Fig 5

Fig 4

Fig 2

WITNESSES:

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FRANK E. TRUDE, OF AMBOY, ILLINOIS.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 496,961, dated May 9, 1893.

Application filed October 24, 1892. Serial No. 449,788. (No model.)

To all whom it may concern:

Be it known that I, FRANK E. TRUDE, a citizen of the United States, residing at Amboy, in the county of Lee and State of Illinois, have invented certain new and useful Improvements in Clothes-Driers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in clothes driers and it has for its object to produce an arrangement which will be more simple, durable and inexpensive than any heretofore produced, and one that will combine with the above mentioned points that of effectiveness.

To these ends my invention consists in certain details of construction and arrangement of parts that will be more fully described hereinafter and pointed out in the claim.

Referring to the accompanying drawings—Figure 1 represents a side elevation of my invention; Fig. 2, a plan view; Fig. 3, an enlarged sectional view showing the arrangement for securing the drier bars to the main standard; Fig. 4, a front elevation of the same, and Fig. 5, a sectional detail view illustrating the means by which the standard or body of the arrangement is mounted on the base.

The reference letter *a* indicates a vertically extending standard, revolubly secured to the base *a'* at a^2 and having secured to it the collars *b*, to which the rods *c* are fastened. These rods are preferably six in number but this is immaterial and may be varied or changed at will. The rods *c*, are located three on each side of the standard and decrease in length as they arise one above the other, the lowest rod being the longest and the highest the shortest.

The collars *b* are rigidly secured to the standard and each provided with plates *d*, to which are fastened the rods *c*. These plates are pivotally attached to the collars at their upper ends, by means of the rivets or pins *d'*, in a way that will admit of swinging them laterally for a purpose that will hereinafter appear, and are located out of vertical alignment with one another to allow the swinging of the rods in a truly vertical position. Fixed rigidly to each of the plates *d* or formed integral therewith is a stud d^2 provided with a semi-circular depression d^3 into which one of the rods *c*, is adapted to fit, and the curved arms d^4, the two forming a bearing for the rods. Formed on that portion of the rods *c*, which fits into the depression d^3 is a series of ratchet teeth or serrations *c'*, which are engaged by the pawl *e*, pivoted to the plate above the rods and actuated by means of a spring c^2. By this means the rods *c*, may be held in various positions. The lower ends of the plates *d* are provided with a slot *f* extending laterally through the same. This slot receives a thumb screw *f'* working in the standard *a*. Rigidly fixed to the free end of each of the rods *c*, is a semi-circular rod (metallic) or wire *g*, which projects outwardly on each side of the standard. On these wires or rods the clothes to be dried are hung. Owing to the decrease in length of the rods *c*, as they extend up the semi-circles, the wires *g*, will also decrease in size as they ascend. This fact allows the clothes to hang downward out of engagement with each other and in a way that will warrant their effective drying.

My invention is only shown in the drawings as being extended and ready for use and when it is not in use the rods *c*, may all swing around to a vertical position, thereby making the machine more compact. This is the province of the arrangement shown by Figs. 3 and 4 and the operation is effected by loosening the thumb screw *f'* working in the slot *f*, of the plates *d*. When this has been accomplished the rods may be swung to a vertical position as shown by dotted lines in Fig. 1.

The machine may be rendered even more compact by turning the rods *c*, in their bearings. This may be done by loosening the pawl *e*, which will allow the rods to turn easily. This will place the group of wires on either side of the standard parallel to each other, thereby making the arrangement very compact when not in use.

By means of the revoluble joint a^2 between the base a' and standard a the drier may be turned around to a position that will suit the convenience of the attendant.

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

In a clothes drier the combination of a vertical standard, a series of swinging plates pivotally secured thereto, a rod affixed to each plate, said rod being provided with serrations, a pawl on the plate adapted to engage the serrations and a semi-circular wire secured to each bar.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK E. TRUDE.

Witnesses:
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P. M. JAMES.