

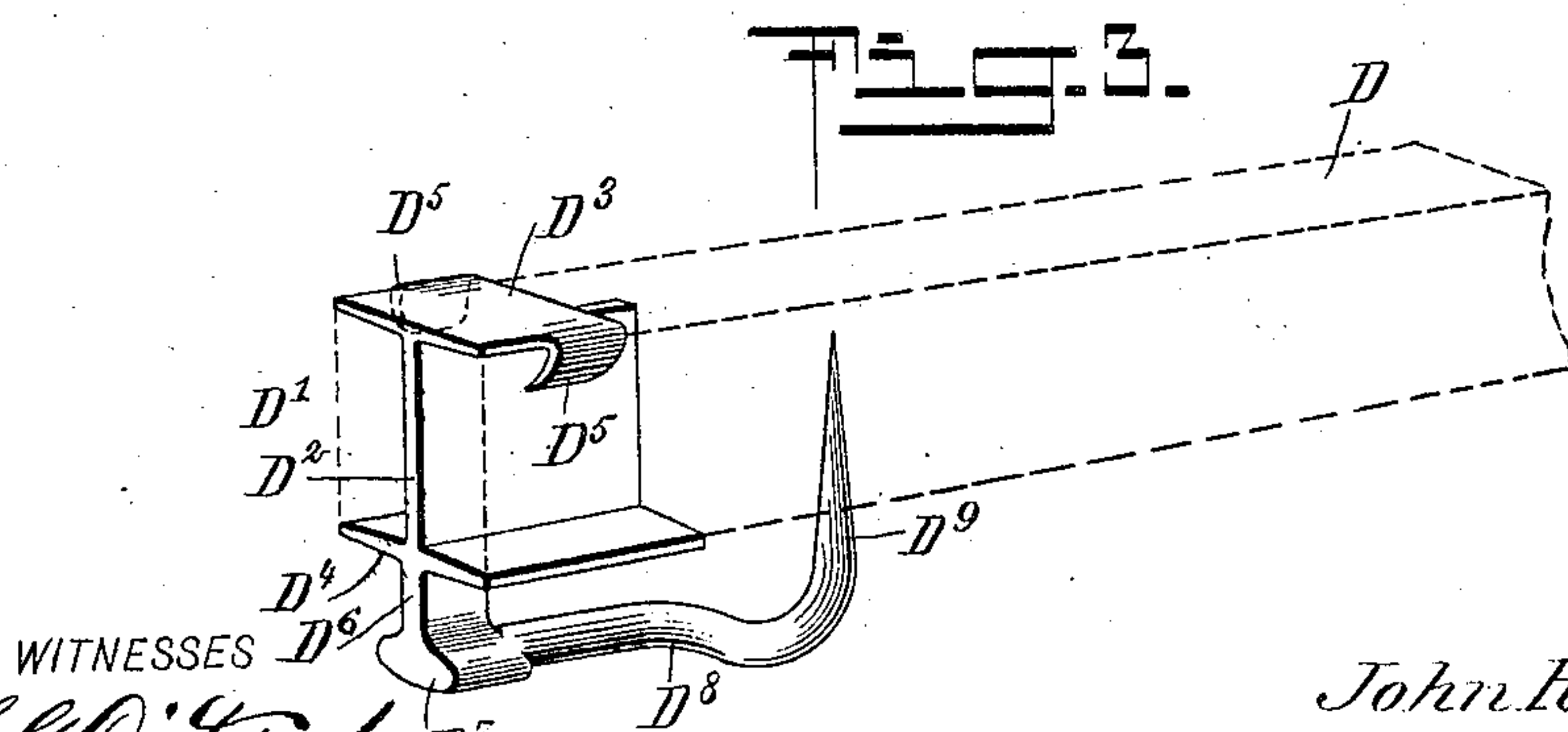
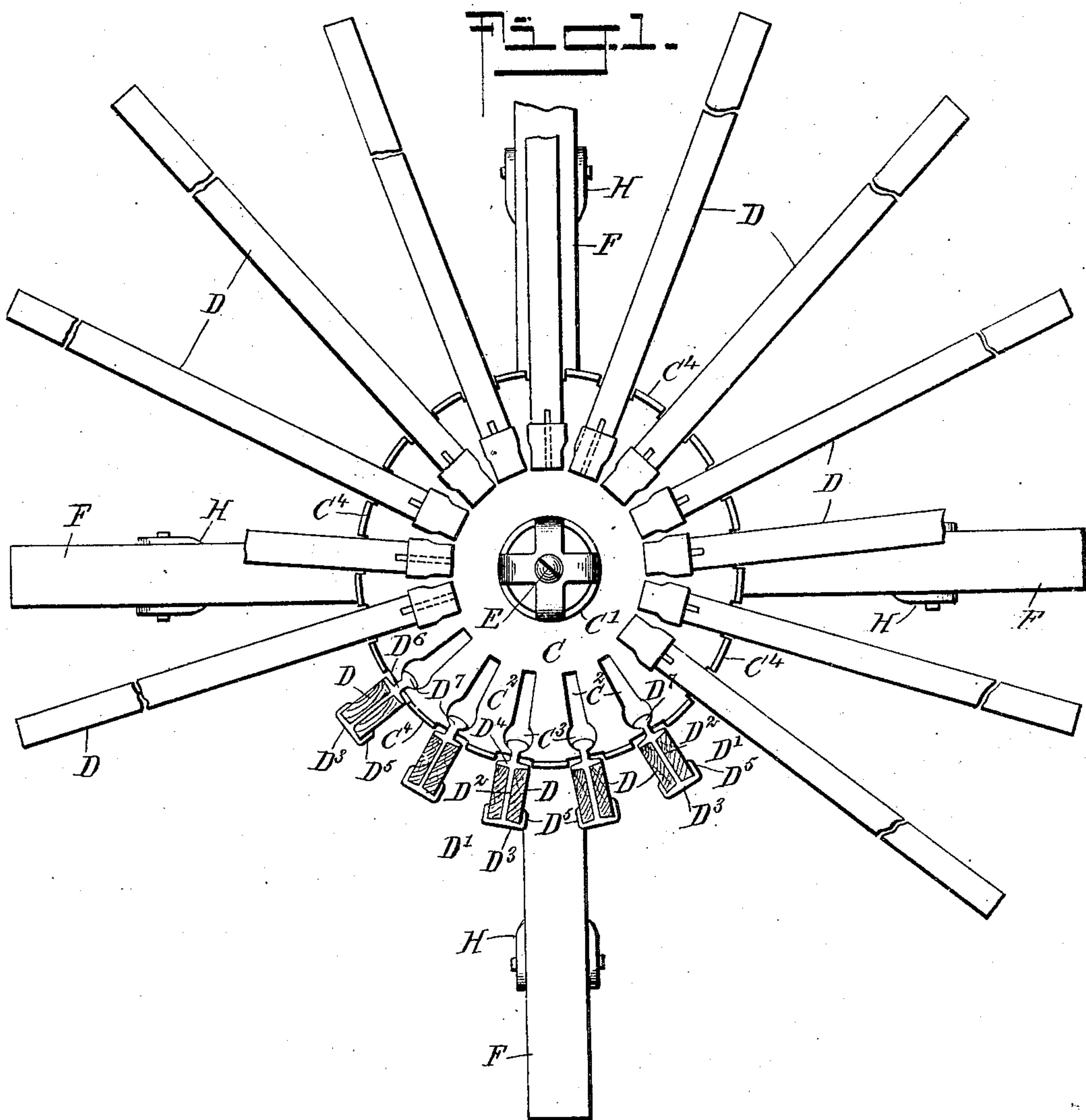
No. 879,799.

PATENTED FEB. 18, 1908.

J. R. SCHMIEDER.
CLOTHES DRIER.

APPLICATION FILED JAN. 17, 1907.

2 SHEETS—SHEET 1.



WITNESSES
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Geo. F. Hooster

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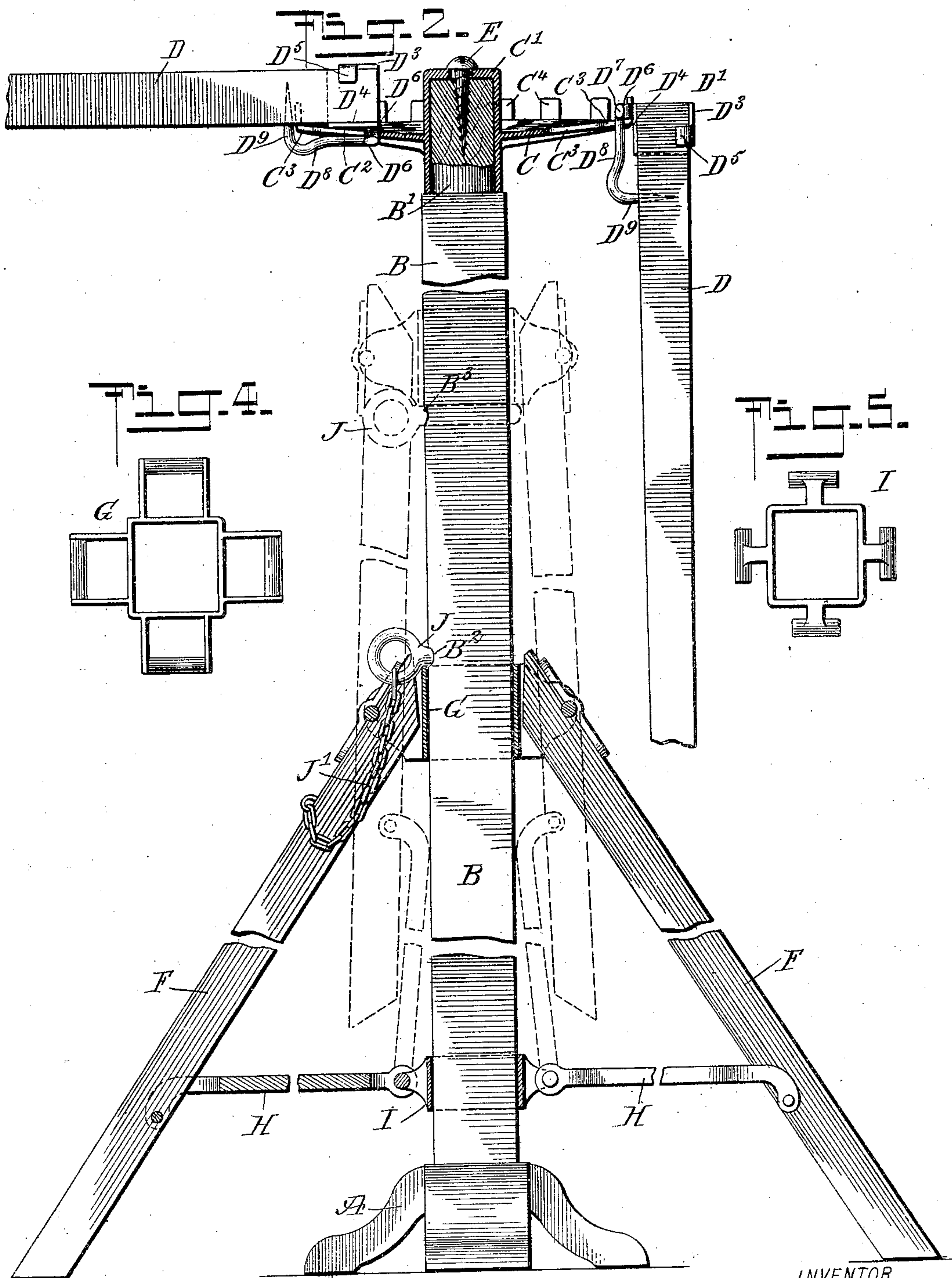
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H. G. Dieterich
Rev. G. Hooster }

INVENTOR

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UNITED STATES PATENT OFFICE.

JOHN R. SCHMIEDER, OF CINCINNATI, OHIO, ASSIGNOR, BY MESNE ASSIGNMENTS, OF ONE-HALF TO WILLIAM WESLEY STERLING, OF CINCINNATI, OHIO.

CLOTHES-DRIER.

No. 879,799.

Specification of Letters Patent.

Patented Feb. 18, 1908.

Application filed January 17, 1907. Serial No. 352,716.

To all whom it may concern:

Be it known that I, JOHN R. SCHMIEDER, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio; have invented a new and Improved Clothes-Drier, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved clothes drier, which is simple and durable in construction, and arranged to accommodate a large amount of clothes in a comparatively small space, and to permit of quick folding into a compact form for conveniently storing the clothes drier.

The invention consists of novel features and parts and combinations of the same, which will be more fully described herein-after and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of the improvement, sundry of the clothes arms being in an extended position, and the remaining ones in a folded position; Fig. 2 is a sectional side elevation of the improvement; Fig. 3 is a perspective view of the head of a clothes arm; Fig. 4 is a plan view of the slidable leg fixture, and Fig. 5 is a like view of the fixture for the leg braces.

On a suitably constructed base A is erected a post B terminating at its upper end in an integral pivot B' engaged by the hub C' of a holding plate C carrying the clothes arms D for supporting the clothes to be dried. A screw E screwing in the pivot B' holds the hub C' against accidental displacement on the pivot B' but allows free turning of the holding plate C on the pivot B'. The holding plate C is provided with radial slots C² having their outer ends C³ enlarged, as plainly indicated in Fig. 1, and for the purpose hereinafter more fully explained.

The inner end of each clothes arm D is provided with a head D' of I form, the web D² of the head engaging the slot in the end of the clothes arm D, and the top and bottom flanges D³, D⁴ of the head D' engaging the top and bottom of the clothes arm D. The top flange D³ is provided at its ends with integral clenching prongs D⁵ for clenching the sides of the clothes arm D to securely fasten the

head D' in position on the inner end of the clothes arm D. The web D² has an extension D⁶ at the under side of the bottom flange D⁴ and this extension D⁶ terminates in a knob D⁷, from which extends integrally a bar D⁸ approximately parallel with the under side of the clothes arm D, the bar D⁸ having an angular point D⁹ adapted to be driven into the clothes arm D at the bottom thereof, so as to firmly hold the head D in position on the arm D. Now the head D⁷ is adapted to pass through the enlarged end C³ of the slot C², and is adapted to rest on the under side of the holding plate C on opposite sides of the slot C², to support the corresponding clothes arm D in a horizontal position, as will be readily understood by reference to Figs. 1 and 2. By having the bar D⁸ arranged as described the clothes arm D is permanently attached to the holding plate C, and allows convenient movement of the clothes arm D, to permit the operator to move the clothes arm either into a horizontal extended position or into a folded vertical position, as indicated in Figs. 1 and 2. As the head D' is made of a single piece of metal it can be cheaply manufactured, and by its construction can be readily secured in place on the head D', it being understood that the point D⁹ is only bent into angular position and driven into the clothes arm D after the bar D⁸ has been engaged with the radial slot C².

In order to hold the clothes arm D against lateral movement, the holding plate C is provided with upturned lugs C⁴ alternating with the slot C², so as to engage the opposite sides of a clothes arm, to prevent the same from shifting laterally.

In order to give greater stability to the clothes drier, legs F are provided pivotally connected at their upper ends to a sliding fixture G mounted to slide on the post B, and the legs F are pivotally connected near their lower ends with braces H pivoted on a fixture I secured to the post B near the lower end thereof. Now by the arrangement described the sliding fixture G may be moved up on the post B, so as to swing the legs F inwardly into a folded position, as plainly indicated in dotted lines in Fig. 2, to permit of folding the device in a comparatively compact form, with the clothes arms D in a vertical position, so that the entire device takes up very little room.

In order to lock the sliding fixture G in

either a lower or upper position, a pin J is provided, adapted to pass through either of two apertures B², B³ formed in the post B at points directly above and below the slidable fixture G, when the latter is in a lowermost or uppermost position, as will be readily understood by reference to Fig. 2. Thus when the pin J is in the lowermost position shown in full lines in Fig. 2, it holds the slidable fixture G against upward movement, and when the latter is in the uppermost position it rests on the pin J then engaging the upper aperture B³. In order to prevent the pin J from being lost, it is attached to a chain J' secured to one of the legs F, as indicated in Fig. 2.

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

1. A clothes drier provided with a holding plate having radial slots, each enlarged at the outer end, a clothes arm and an attaching head fixed on the inner end of the said clothes arm, for holding the latter in either an extended or folded position on the said holding plate, the said head being of I-shape, the web of the head engaging a slot in the end of the clothes arm and the flanges of the head engaging the top and bottom of the clothes arm, the said web of the head having an integral extension at its underside, the extension terminating in a knob for passing through the enlarged end of the said slot, and a bar extending integrally from the said knob approximately parallel to the clothes arm, the bar having an angular point at its end for engagement with the underside of the clothes arm.

2. A clothes drier provided with a holding plate having radial slots each enlarged at the outer end, a clothes arm, and an attaching head fixed on the inner end of the said clothes arm for holding the latter in either an extended or folded position on the said holding plate, the said head being I-shape, the web of the head engaging a slot in the end of the clothes arm, and the flanges of the head engaging the top and bottom of the clothes arm, the top flange having integral clenching

prongs for engaging the sides of the clothes arm, the said web of the head having an integral extension at its underside, the extension terminating in a knob for passing through the enlarged end of the said slot, and a bar extending integrally from the said knob approximately parallel to the clothes arm, the bar having an angular point at its end for engagement with the underside of the clothes arm.

3. A clothes drier comprising a base, an apertured post erected thereon, a holding plate mounted to turn on the upper end of the post, clothes arms held on the said holding plate and adapted to be moved into an extended horizontal position or into a folded vertical position, legs, a leg fixture slidable on the said post and to which the upper ends of the legs are pivoted, braces pivotally connected with the said legs, a brace fixture on the said post adjacent to its base and to which the said braces are pivoted, and a pin for engagement with the apertures of the post, to hold the leg fixture in its uppermost and lowermost positions.

4. In a clothes drier, the combination of a holding plate having radial slots with enlarged outer ends and clothes arms, each having a headed projection on its under side at its inner end, and a bar extending from the head of the projection approximately parallel with the arm.

5. In a clothes drier, the combination of a holding plate having radial slots with enlarged outer ends, and clothes arms provided with heads at their inner ends, having prongs for securing the heads to the arms said heads being each provided on its under side with a headed projection and with a bar projecting from the head of the projection and having its end secured to the clothes arm.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN R. SCHMIEDER.

Witnesses:

WILLIAM HASLINGER,
EMMA REIS.