

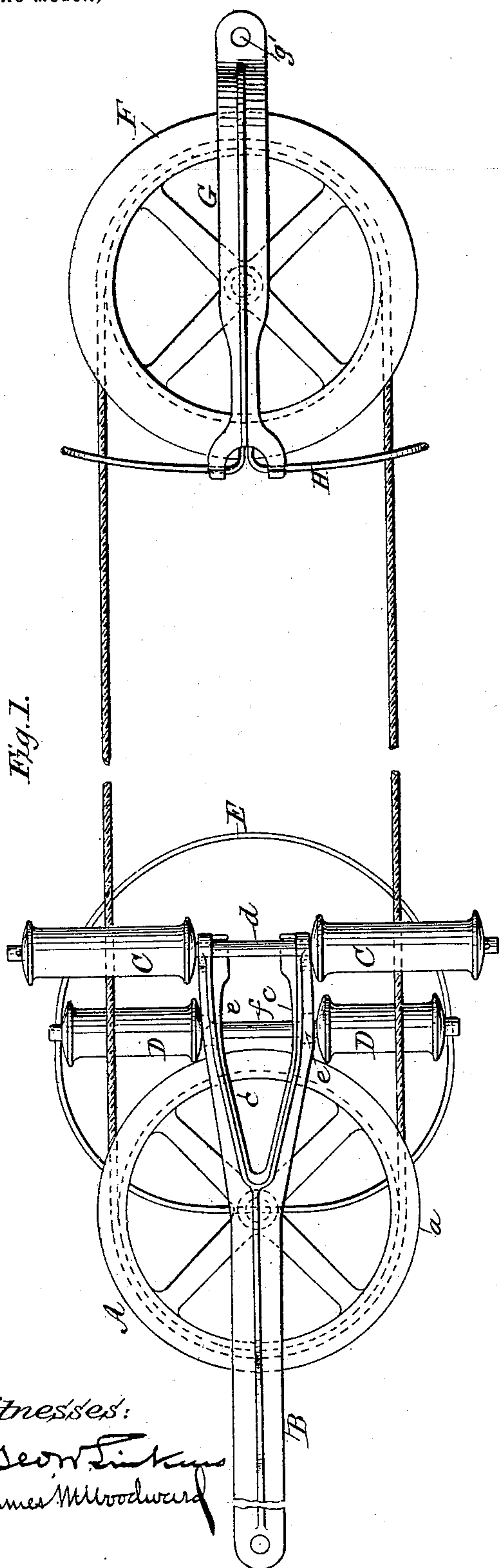
No. 622,982.

Patented Apr. 11, 1899.

W. W. ST. JOHN.
CLOTHES DRIER.

(Application filed Feb. 21, 1898.)

(No Model.)



Witnesses:

George Linker
James Woodward

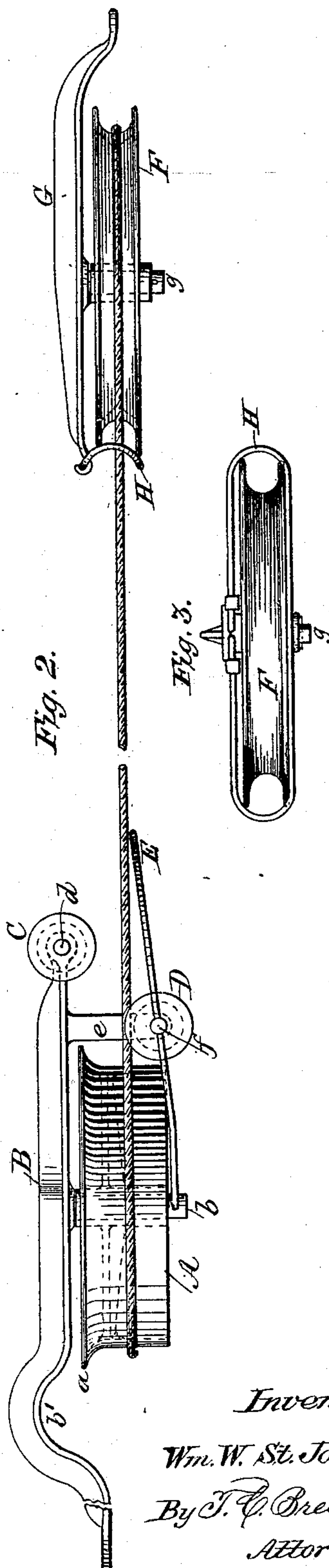
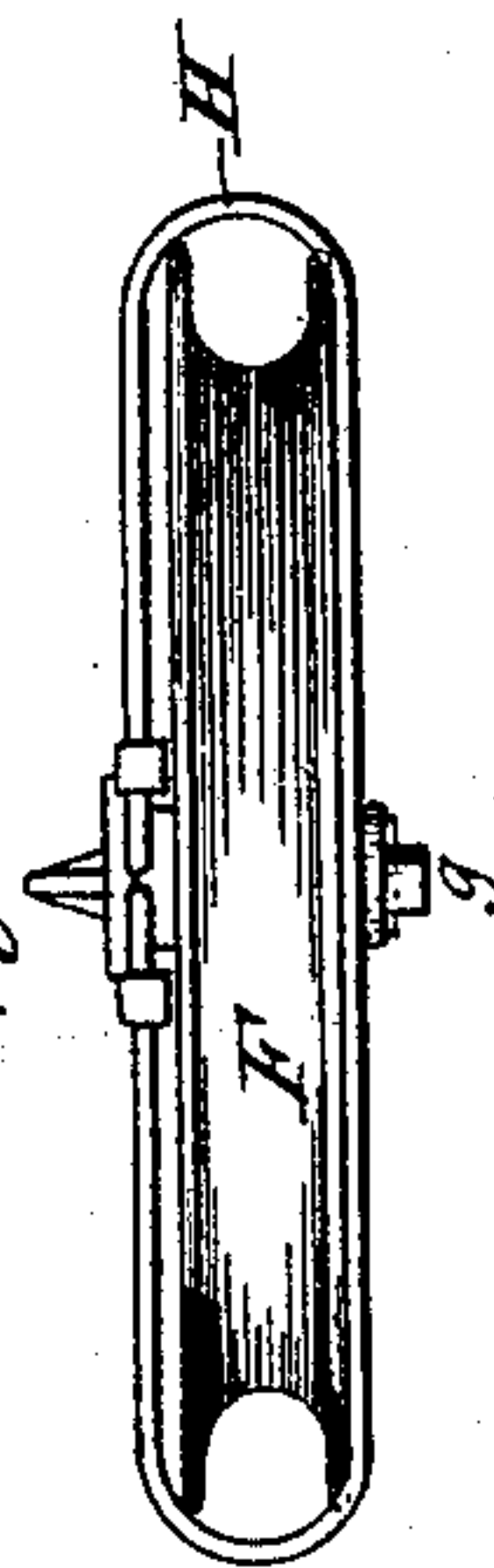


Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM W. ST. JOHN, OF BINGHAMTON, NEW YORK.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 622,982, dated April 11, 1899.

Application filed February 21, 1898. Serial No. 671,057. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. ST. JOHN, a citizen of the United States, residing at Binghamton, in the county of Broome and State of New York, 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 that class of clothes-driers in which an endless clothes-line is suspended from certain places, so that the clothes can be attached and removed from a stationary point.

The object of the invention is to produce devices that are of simple construction, easily manipulated, and not liable to get out of order.

With this object in view my invention consists in the peculiar construction of devices and the novel arrangement of parts, as will be more fully described hereinafter and specifically pointed out in the claims, reference being had to the accompanying drawings and the letters marked thereon.

Like letters indicate similar parts in the different figures, in which—

Figure 1 represents a plan view of the clothes-drier. Fig. 2 is a side view of the same. Fig. 3 is a detail view of one of the pulleys, showing a looped guard.

In the drawings, A is a pulley having a flange *a* at its upper side, but being plain at its lower side. This pulley is attached by a pin *b* to a light frame B and secured to it and so as to freely revolve on said pin. The frame is provided with the arms *c c*, having eyes in their outer ends, supporting a shaft *d*, upon which the flanged rollers C are jour-

naled. The frame B has a bend or curved part *b'* in it to allow the clothes and pins to freely pass under it. In close proximity to said rollers the frame has the arms *e*, in which a shaft *f* is mounted and carries the flanged rollers D. Through the outer ends of the shaft *f* a curved wire E is extended and passes through the lower end of the pin *b* and serves to hold the pulley A in place. It also serves as a guard for the clothes in passing over the rollers D and prevents them from tangling or catching.

At any suitable distance from the pulley A is placed a grooved pulley or sheave F, supported upon a pin *g*, attached to a light frame G, which can be placed with one end by a hole *g'* on a hook, nail, or equivalent secured to a post, wall, or other desired place. To this frame G is secured a loop-shaped guard H, which serves to hold the clothes-line in position on the pulley F, and it also facilitates the ready introduction of said line in a looped manner onto the pulley.

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

1. The combination of the pulley A, a curved frame B, having the arms for the rollers C, C, and D, D, with the curved guard E, all arranged as shown and specified.

2. The combination of the pulley A on the curved frame B, having the arms for the rollers C, C, and D, D, and the guard E, with the pulley F, a frame G and looped guard H, all arranged as shown and for the purpose set forth.

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

WILLIAM W. ST. JOHN.

Witnesses:

GEO. W. LINKINS,
JAMES M. WOODWARD.