

(No Model.)

W. W. ST. JOHN.  
CLOTHES LINE.

No. 598,878.

Patented Feb. 8, 1898.

Fig. 1.

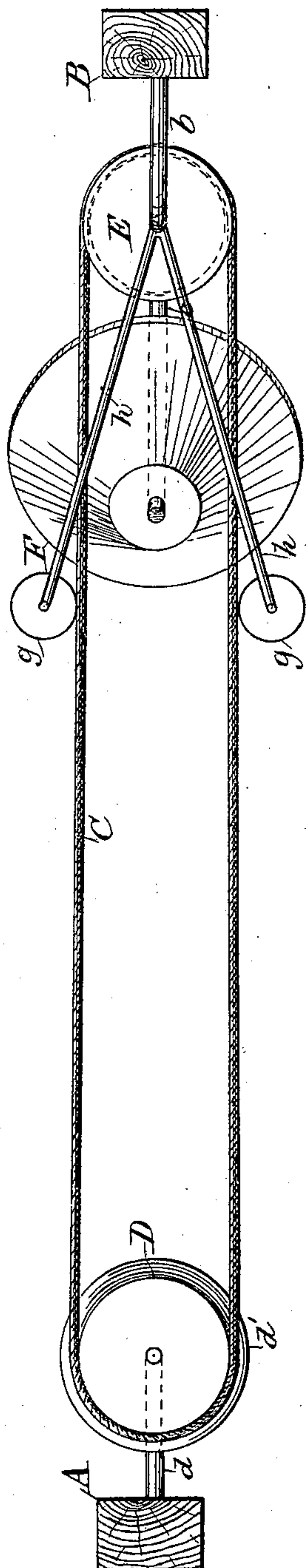
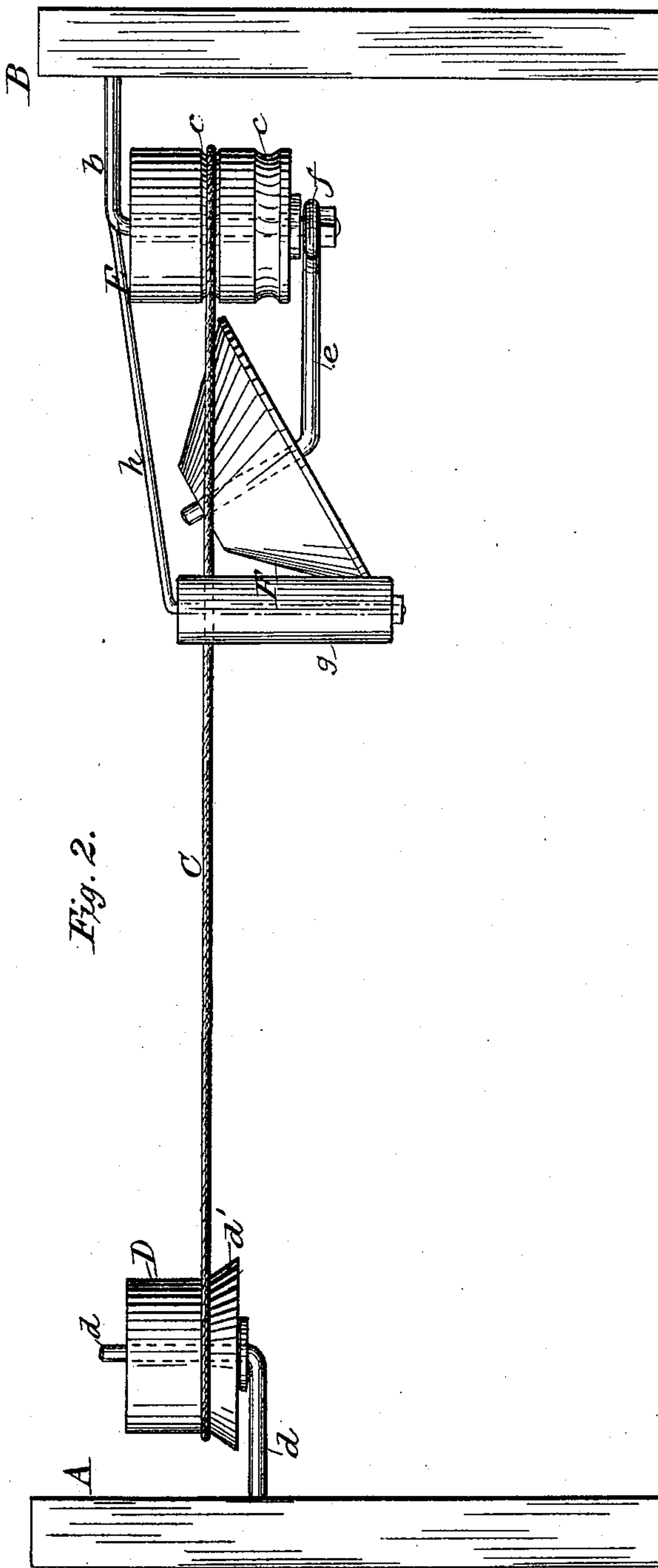


Fig. 2.



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# UNITED STATES PATENT OFFICE.

WILLIAM W. ST. JOHN, OF BINGHAMTON, NEW YORK, ASSIGNOR OF ONE-HALF TO S. A. BYRON, OF SAME PLACE.

## CLOTHES-LINE.

SPECIFICATION forming part of Letters Patent No. 598,878, dated February 8, 1898.

Application filed February 18, 1897. Serial No. 623,977. (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-Lines; 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 improvements in clothes-lines of that class in which a continuous or endless line passes around pulleys; and the objects of my invention are to produce a clothes-line by which the clothes can be dried by being attached to an endless rope or line by means of clothes-pins or their equivalent, so that said clothes can be attached from one standpoint while the clothes-line is revolved. A conical pulley also keeps the line up in its proper place, at the same time rocking the pin in such way that the line passes both pulleys with perfect freedom to both pins and clothes, and, finally, to produce these devices at a very reasonable expense.

My invention consists in the construction of certain details and the peculiar 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 thereon.

Like letters indicate similar parts in both figures of the drawings, in which—

Figure 1 represents a top or plan view of a clothes-line embracing my invention. Fig. 2 is a side elevation of the same.

In the drawings, A and B represent posts, to which the clothes-line C is attached in the following manner: To the post A is secured a pulley D in a vertical position by a bent rod *d*, said pulley being provided with a flange *d'* at its lower end to support the clothes-line at that end. Another pulley E is secured to the post B by a rod *b*, but bent downward and in reverse direction to the rod *d*. This pulley is provided with grooves *c* to receive the line C in a horizontal position. On the same rod *b* is secured by a nut another bent rod *e*

by an eye *f* and serves to support loosely a cone-pulley F in an angular direction. I call this pulley the "cone" wheel or pulley, and it is revolved by the line in its passage thereon. It serves to guide the line and keep it in its proper place, while at the same time it rocks the pin in such way that the line passes both pulleys with perfect freedom to both pins and clothes. It makes no difference what kind of clothes-pins are used, as all pass over with the same ease, and this is a great advantage over those now in use.

To prevent the clothes or the line C being blown off or leaving the cone-pulley F by being slack or swayed, two small vertical rollers *g g* are arranged so as to revolve on a forked wire *h*, supported by rod *b*.

The many advantages of my improved clothes-line will be apparent to those skilled in the art, and among them may be mentioned that it can be easily and quickly attached in any place desired. The clothes can be hung up and passed outward from one standpoint and will not be interfered with by anything on its way, but pass the outer pulleys with perfect freedom to both pins and clothes, and the entire length of the line can be used to hang up clothes in an expeditious manner and in any direction.

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

1. In a clothes-line the combination of the pulley D, having a flange *d'* at its lower end and a pulley E, provided with grooves, and said pulleys respectively secured to the posts A and B, with a clothes-line C and a cone-wheel, supported by rod *e*, all arranged as shown and specified.

2. In a clothes-line, the combination of a conical pulley arranged at an angle, for supporting an endless clothes-line, a vertical grooved pulley and a flanged pulley secured to posts at the opposite ends of the line and the rollers *g, g*, arranged on the forked wire *h*, as specified.

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

WILLIAM W. ST. JOHN.

Witnesses:

WM. A. SMITH,  
JERRY BUNZEY.