

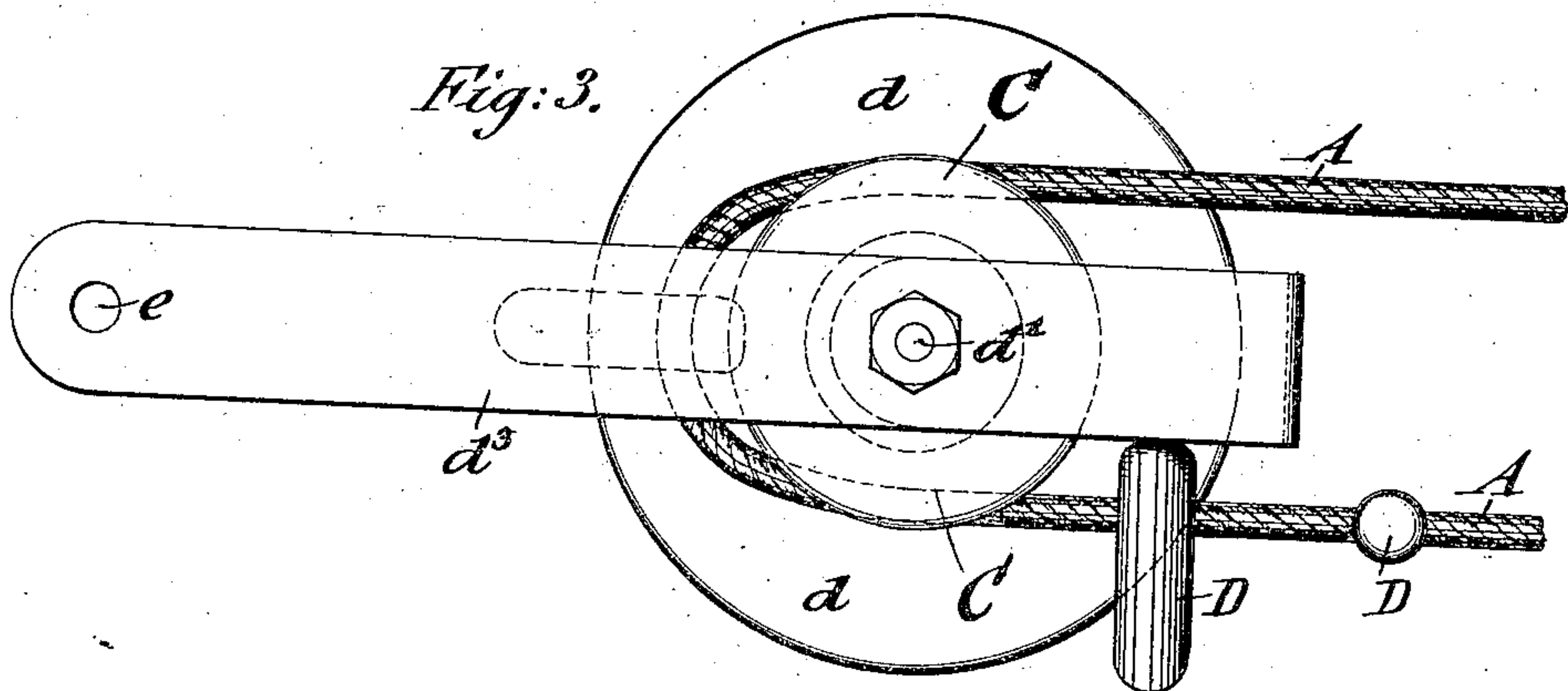
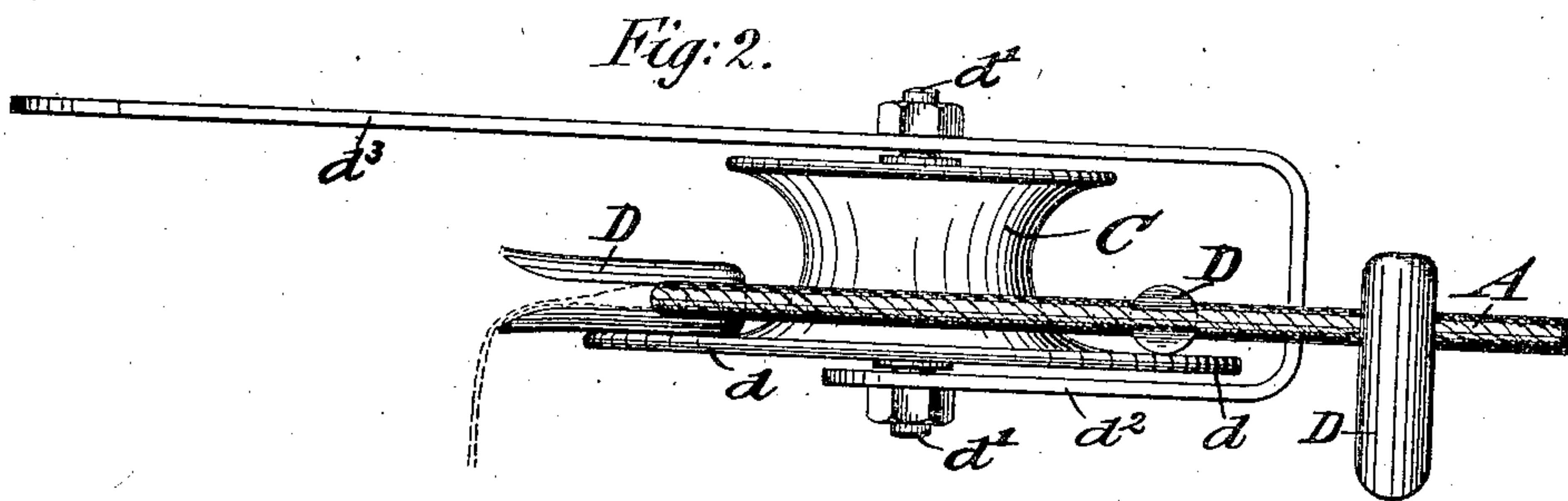
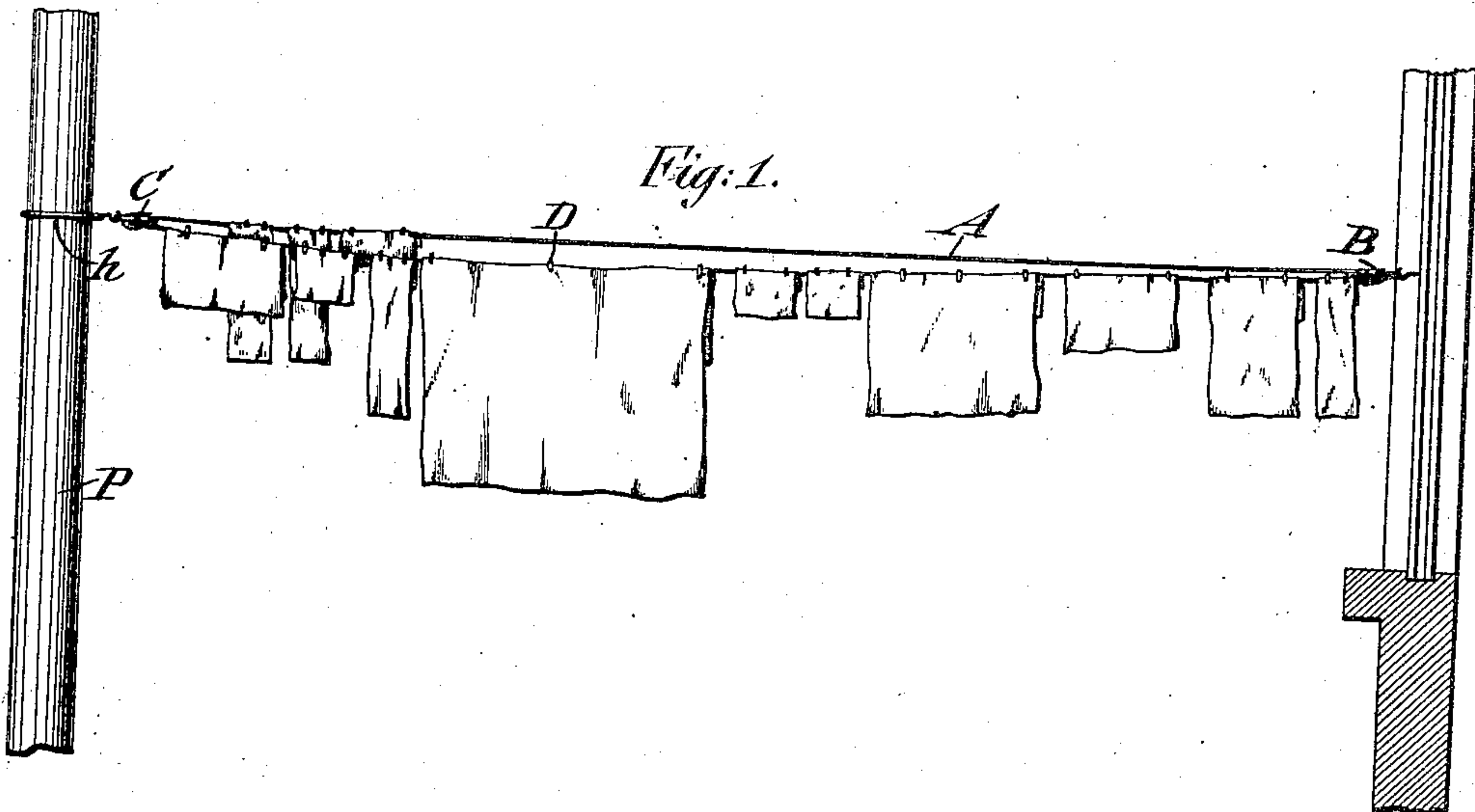
No. 696,234

M. H. GORNSTON.
CLOTHES HANGING APPARATUS.

Patented Mar. 25, 1902.

(No Model.)

(Application filed May 8, 1901.)



WITNESSES:
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CLOTHES-HANGING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 696,234, dated March 25, 1902.

Application filed May 8, 1901. Serial No. 59,324. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL H. GORNSTON, a citizen of the United States, residing in New York, borough of Brooklyn, in the State of New York, have invented certain new and useful Improvements in Clothes-Hanging Apparatus, of which the following is a specification.

This invention relates to improvements in apparatus for hanging up clothes for drying; and the object of the invention is to provide an improved construction of apparatus by which the clothes may be hung upon the full length of the line from one point.

The invention consists in the combination, in a clothes-hanging apparatus, of a U-shaped suspension-frame, a shaft supported vertically thereby, a grooved pulley on said shaft, the lower flange of said pulley extending beyond the adjacent leg of the suspension-frame, a clothes-line adapted to run over said pulley, and clothes-pins on said line, each pin being composed of a rounded head and two arms projecting from said head and forming a slot between the same of less diameter than said rope and terminating at its inner end in a circular enlargement of approximately the same diameter as the rope, whereby shoulders are formed at the junction of the slot and enlargement.

In the accompanying drawings, Figure 1 represents a side elevation of a clothes-line with my improved pulley. Fig. 2 is a detail side view of my improved pulley, showing the passage of the clothes-line over the same. Fig. 3 is a plan view of Fig. 2, Figs. 2 and 3 being drawn on a larger scale than Fig. 1; and Fig. 4 is a side view of my improved clothes-pin.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a clothes-line of the ordinary style. The clothes-line is suspended from a pulley B of the ordinary construction at the window from which the clothes are attached to the line. The opposite or distant pulley C, which is secured to a pole or other suitable support P, is provided with a lower flange d of larger diameter than the upper flange of the pulley and supported on a stationary shaft d' , that is attached to a U-shaped pulley-frame, of which the lower leg d^2 is made shorter, so as to be

within the diameter of the pulley C, while the upper leg d^3 is made longer and provided with an eye e at its outer end for being attached to the hook h or other suspension device of the pole P. The clothes are suspended on the clothes-line A by means of clothes-pins D, the heads of said pins being slightly rounded off, so as to reduce the friction of the same with the pulley. The arms of the pin form a slot e' of less diameter than the rope. This slot terminates at its inner end in a circular enlargement of approximately the same diameter as the rope, as shown, thereby forming shoulders at the junction of the slotted and enlarged portions and reliably securing the pin to the rope, so that it does not become detached therefrom when passing over the pulley.

When hanging up clothes on my improved clothes-line, they are hung in the usual manner, the clothes-line being moved in either direction while hanging up the clothes. When one half of the line has been filled with clothes, the motion of the line is continued, so that the other half of the line is used for suspending clothes for drying therefrom. This is accomplished by the passage of the line and clothes around the flanged pulley at the distant end of the line, the clothes-pins tilting on the line when passing over the flanged lower part of the pulley in the position shown in Fig. 2, so that the clothes-line, clothes-pins, and clothes can pass around the circumference of the pulley, the clothes-pins righting themselves as soon as the pulley C is passed. Owing to the construction of the pins, the pins as well as the clothes can be readily conducted around the distant pulley C without the pins becoming released from the line, so as to drop the clothes. This is accomplished by the ready tilting of the pins on the lower larger flange of the pulley, which permits the pins to move in contact with the circumference of the pulley without the liability of liberating the clothes-pins and clothes from the line. When both lengths of the line are filled with clothes, the clothes are permitted to dry. After the drying is accomplished the clothes-line is moved in the opposite direction until the clothes arrive again at the house end of the clothes-line, where the clothes are gradually removed from the line

until they are all taken off. The spring snap which is exerted by the arms of the pins at the enlarged end of the slot on the clothes and the line permits the tilting of the clothes-pins while passing around the pulley without their being liable of loosening their connection with the line, serving to permit the tilting of the pins until they have passed the pulley, when they will right themselves again by the weight of the clothes on the same.

By my construction the clothes-line can be hung along its full length with clothes, which are readily passed around the distant pulley while hanging up as well as while taking down clothes; secondly, by the peculiar construction of the clothes-pins the clothes are reliably hung on the line without danger of becoming detached therefrom during the going and return motion of the line; thirdly, by the peculiar construction of the pulley and pins a comparatively simple and effective clothes-line construction is obtained which permits the use of a line having knots, as the knots pass over the pulley C without interfering with or catching on the same.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

The combination, in a clothes-hanging apparatus, of a U-shaped suspension-frame, a shaft supported vertically thereby, a grooved pulley on said shaft, the lower flange of said pulley extending beyond the adjacent leg of the suspension-frame, a clothes-line adapted to run over said pulley, and clothes-pins on said line, each pin being composed of a rounded head, and two arms projecting from said head and forming a slot between the same of less diameter than said rope and terminating at its inner end in a circular enlargement of approximately the same diameter as said rope, whereby shoulders are formed at the junction of the slot and enlargement, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

MICHAEL H. GORNSTON.

Witnesses:

PAUL GOEPEL,
JOSEPH H. NILES.