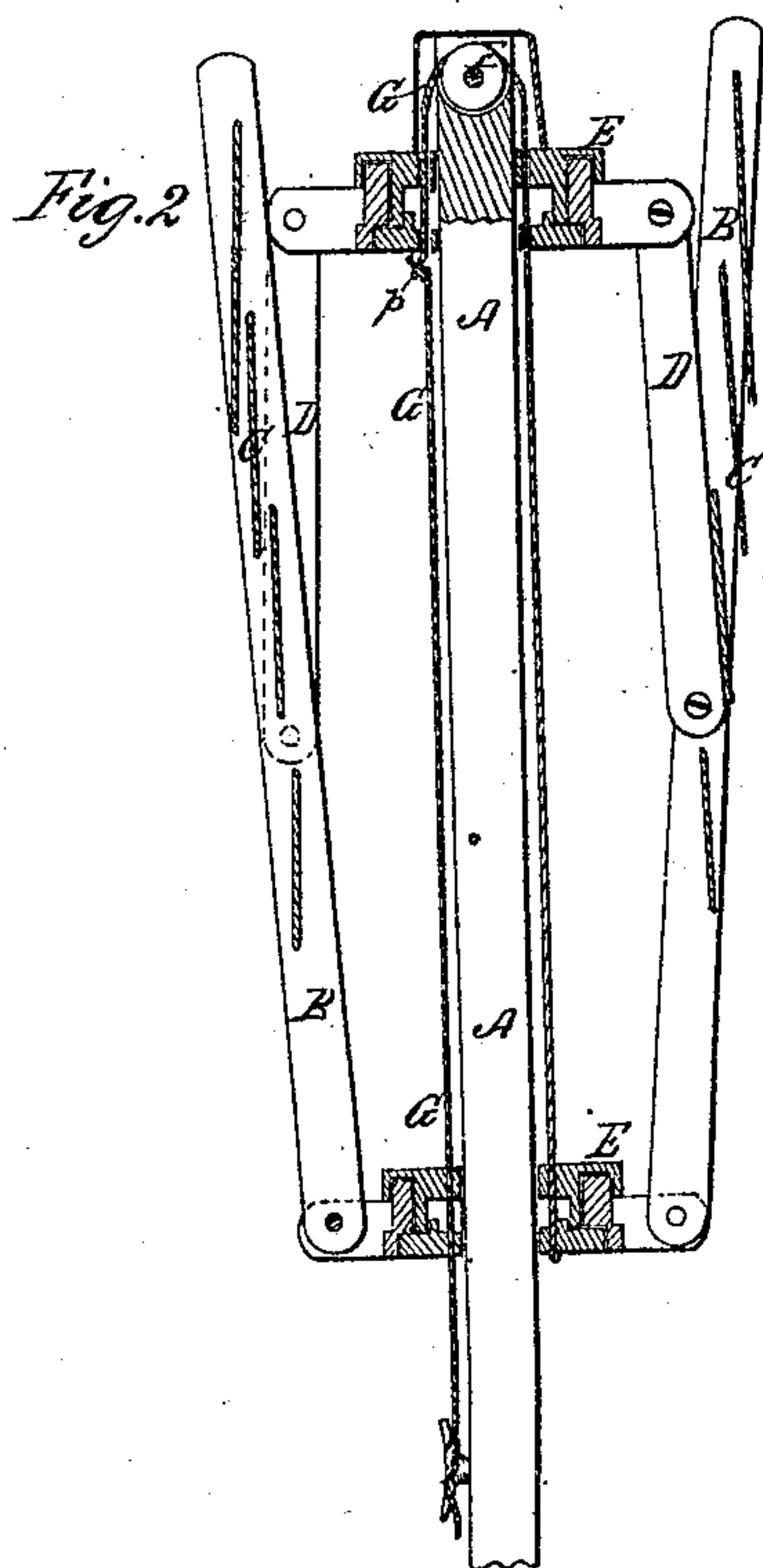
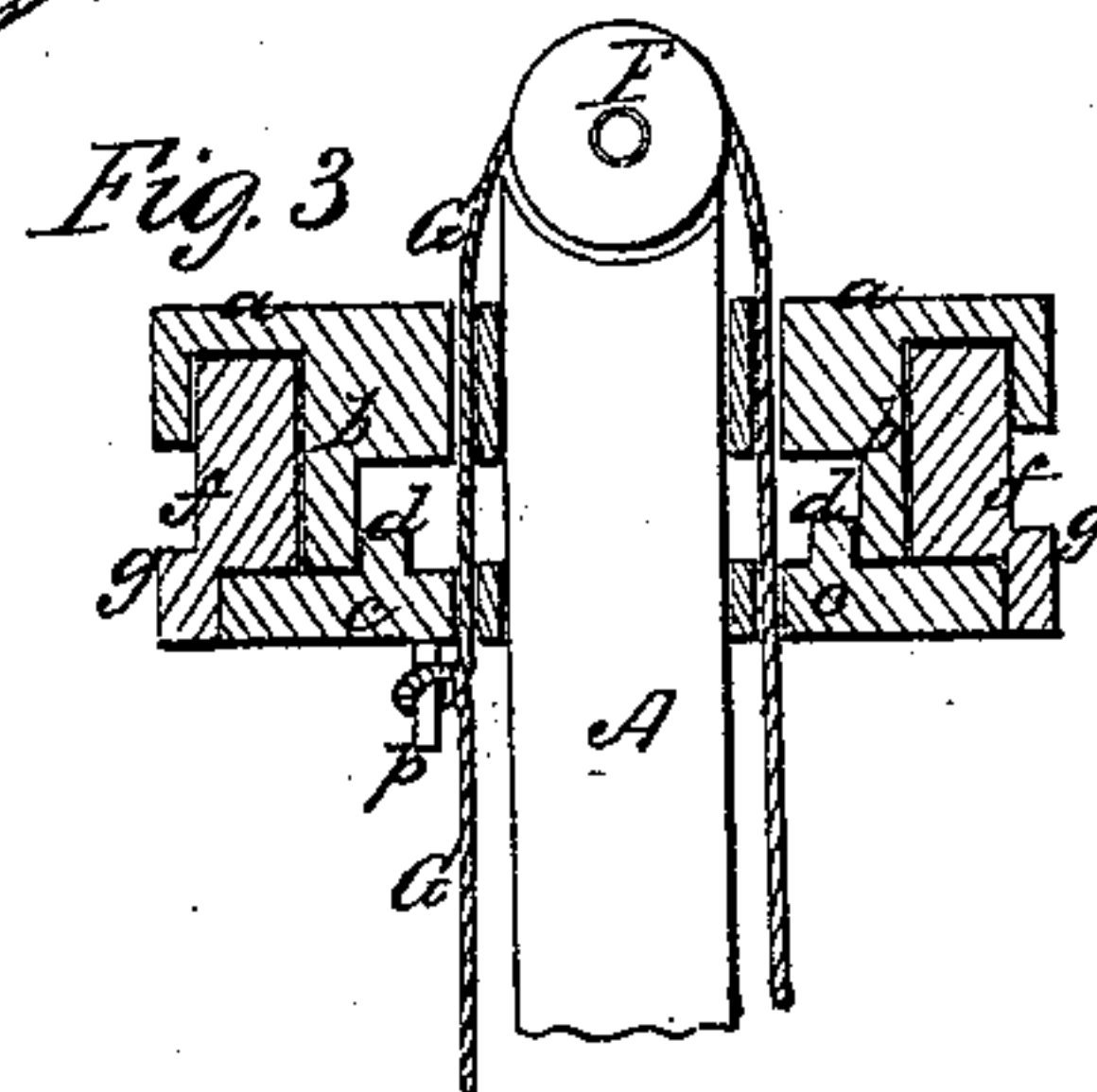
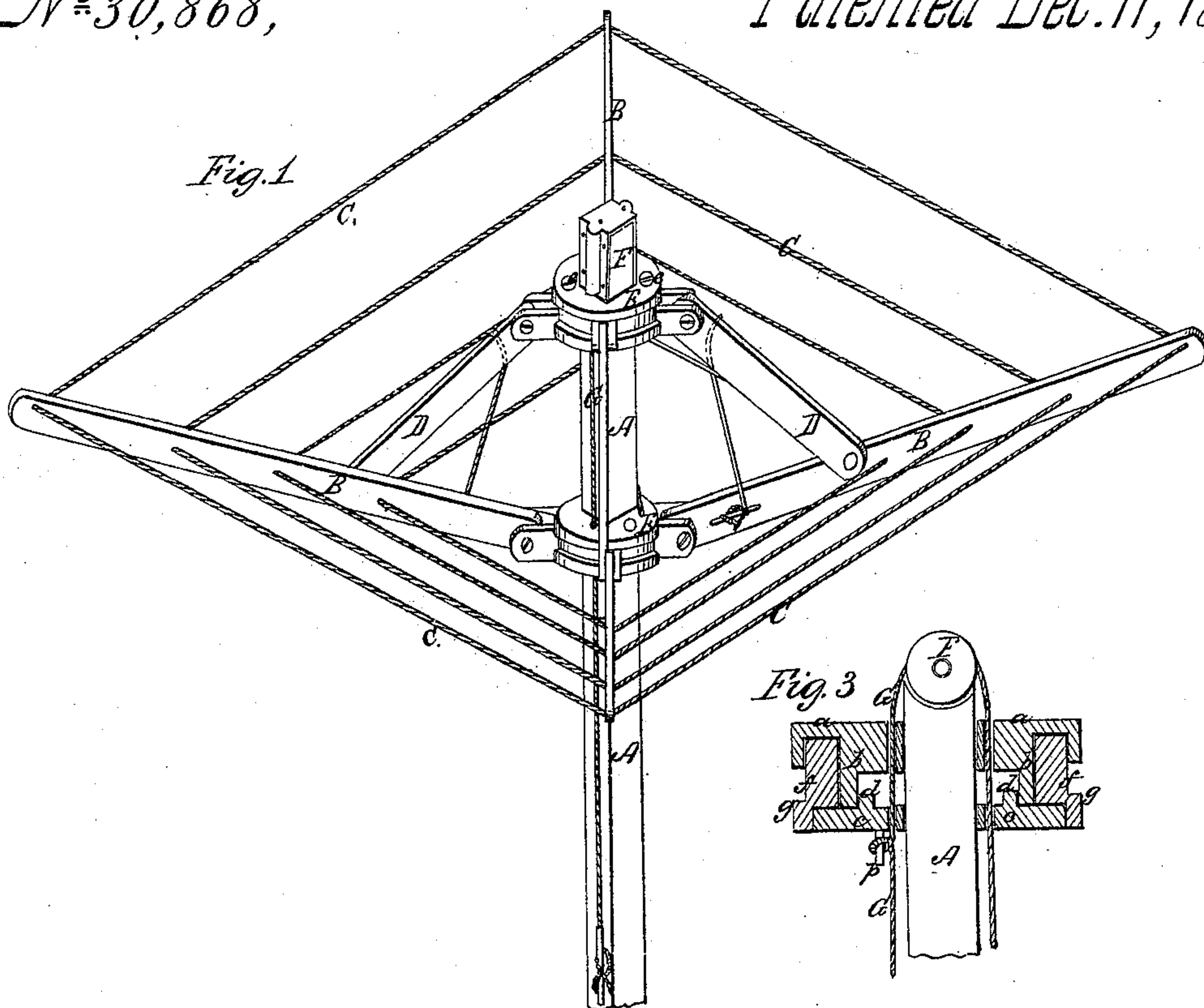


*H. C. Boardman,*

*Clothes Drier,*

*Nº 30,868,*

*Patented Dec. 11, 1860.*



*Witnesses;*  
*L. F. G. Dietrich*  
*Chas. Mason*

*Inventor;*  
*H. C. Boardman*



# UNITED STATES PATENT OFFICE.

H. C. BOARDMAN, OF MORRISVILLE, VERMONT.

## CLOTHES-DRIER.

Specification of Letters Patent No. 30,868, dated December 11, 1860.

*To all whom it may concern:*

Be it known that I, H. C. BOARDMAN, of Morrisville, in the county of Lamoille and State of Vermont, have invented a new and  
5 useful Improvement in Clothes-Driers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and to the letters of reference  
10 marked thereon.

My invention relates to that form of clothes driers which is composed in part of arms which are supported by a single permanent post around which as an axis they  
15 not only revolve, but upon which they may be lowered or raised so that after the clothes are properly arranged the whole may be elevated upon the post to such a height as to be placed entirely out of the way.

20 Figure 1, is a perspective view of the clothes drier. Fig. 2, shows a vertical section of the same. Fig. 3, is an enlarged sectional view of the sliding collar as contrived and used by me.

25 A, is a square post which supports the clothes drier.

B, are arms placed radially around this post and used for the support of the cord C.

30 D, are braces attached to the arms by a toggle joint and the whole so contrived as to admit of being folded up in the manner of an inverted umbrella.

35 E, are collars which slide up and down along the post and are so constructed as to permit the body of the clothes drier to revolve horizontally.

40 F, is a pulley at the top of the post and perfectly protected from the weather by a sheet metal covering.

45 G, is a line passing over this pulley and used for raising or depressing the body of the clothes drier. The end of this line which is attached to the lower collar is made with two branches near its lower extremity which  
50 are so attached to the collar on opposite sides as to hold it level in order that it may slide along the post without binding. The other end of the line is to be temporarily fastened by any well-known contrivance, so as to hold the body of the clothes drier at any height that may be desired. When the clothes

drier is to be folded, a loop is made in the loose end of this line at a proper height and passed around the pin *p*, which is attached to the upper collar. By holding the lower  
55 collar fast, and pulling down upon the other end of the line, the whole is readily folded and can be made fast by any of the well known contrivances used for such purposes. This mode of folding the clothes drier, I  
60 believe to be my own invention.

The chief improvement which I claim to have made, consists in the mode of constructing the sliding collars. The joints of these have never heretofore been made water  
65 proof. The consequence is that in cold weather they often become frozen so as to be immovable and often cause the clothes drier to be broken. At all events, the introduction of water into these joints soon  
70 causes them to become rusty unless the collars are made of some metal much more expensive than cast iron, of which I propose to construct them. I make these sliding collars of three parts, as shown at Fig. 3.  
75 There is an upper disk *a*, cast in one piece with the cylinder *b*, which is made to fit upon the lower disk *c*, around a shoulder *d*, raised sufficiently to hold the cylinder firmly in place when fastened with the screws or bolts  
80 *e*. This shoulder may, with equal advantage be made by being elevated outside of the base of this cylinder instead of the inside, as shown in the drawings. Around this cylinder is the ring *f*, which is intended to  
85 revolve around the cylinder *b*, and to which the arms or braces of the clothes drier are to be attached by a suitable joint. On the outside of this ring at the top, a flange *g*, is made to project downward so as to pre-  
90 vent water from penetrating at the top; and the lower portion of the ring is so constructed as to shut down over the lower disk so as equally to prevent the admission of water at the lower joint.  
95

Many of the contrivances shown in the drawing and described above are old and well known and are not claimed by me, but

What I do claim as my invention and desire to secure by Letters Patent, is—

1. The use of a water proof sliding collar or hub constructed as above described

in combination with arms B, or braces D, when operated in the manner and for the purposes above set forth.

2. The method of folding the clothes drier  
5 constructed with arms and braces as above described, by means of a loop in the line G, passed around the pin *p*, attached to the up-

per sliding collar E, in the manner above set forth.

H. C. BOARDMAN.

Witnesses:

GOODWIN Y. ATLEE,  
EDW. F. BROWN.