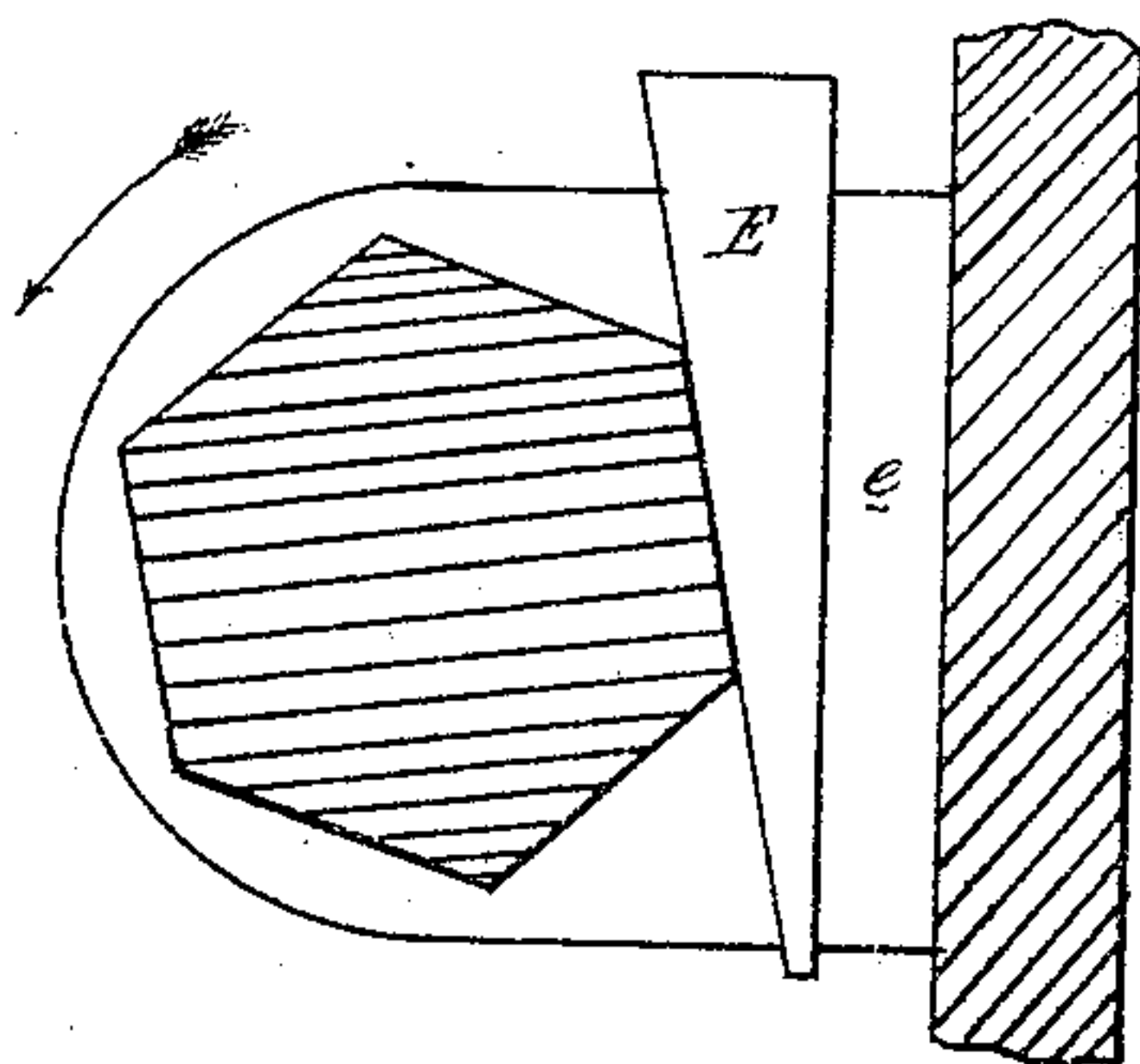
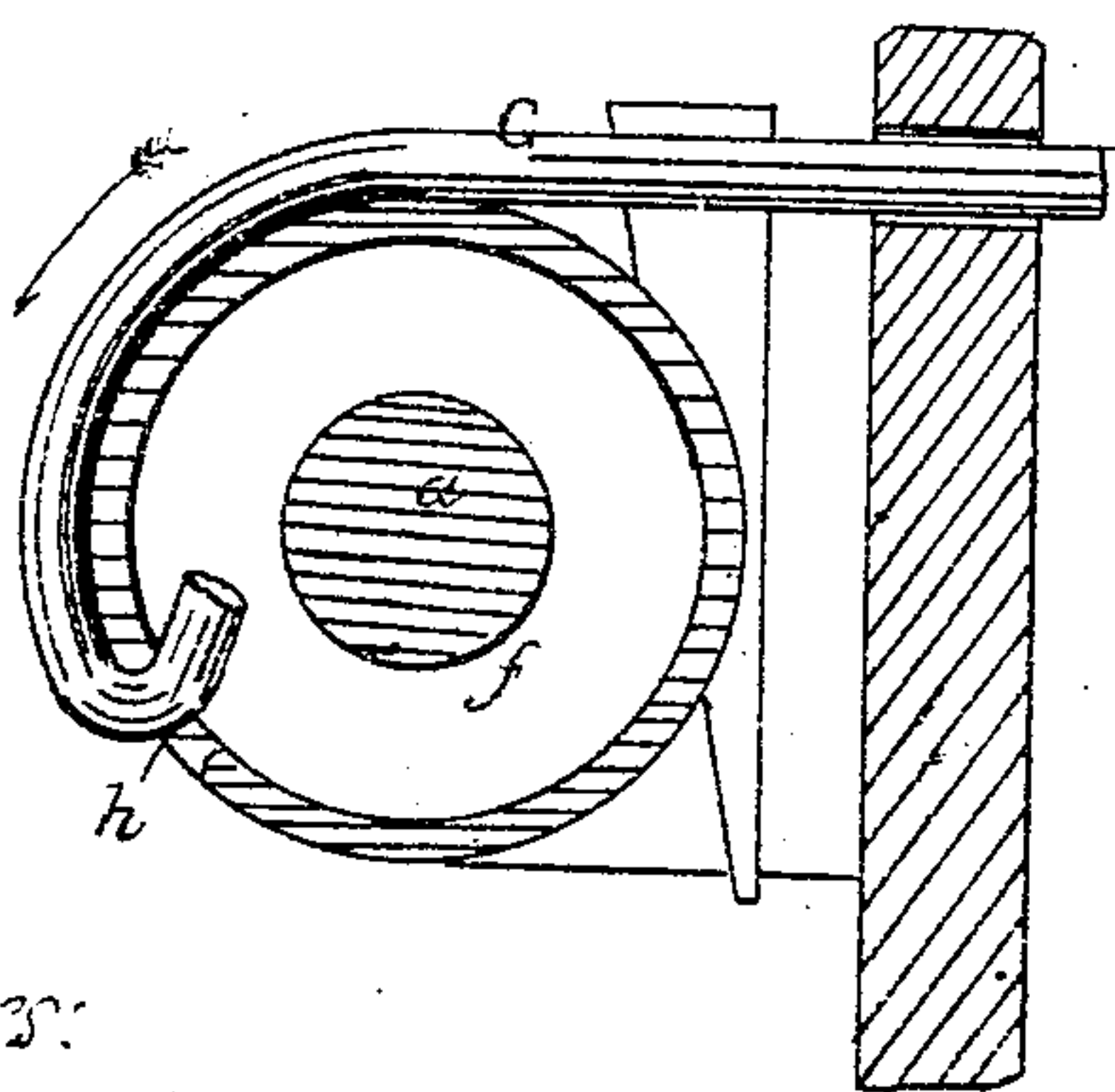
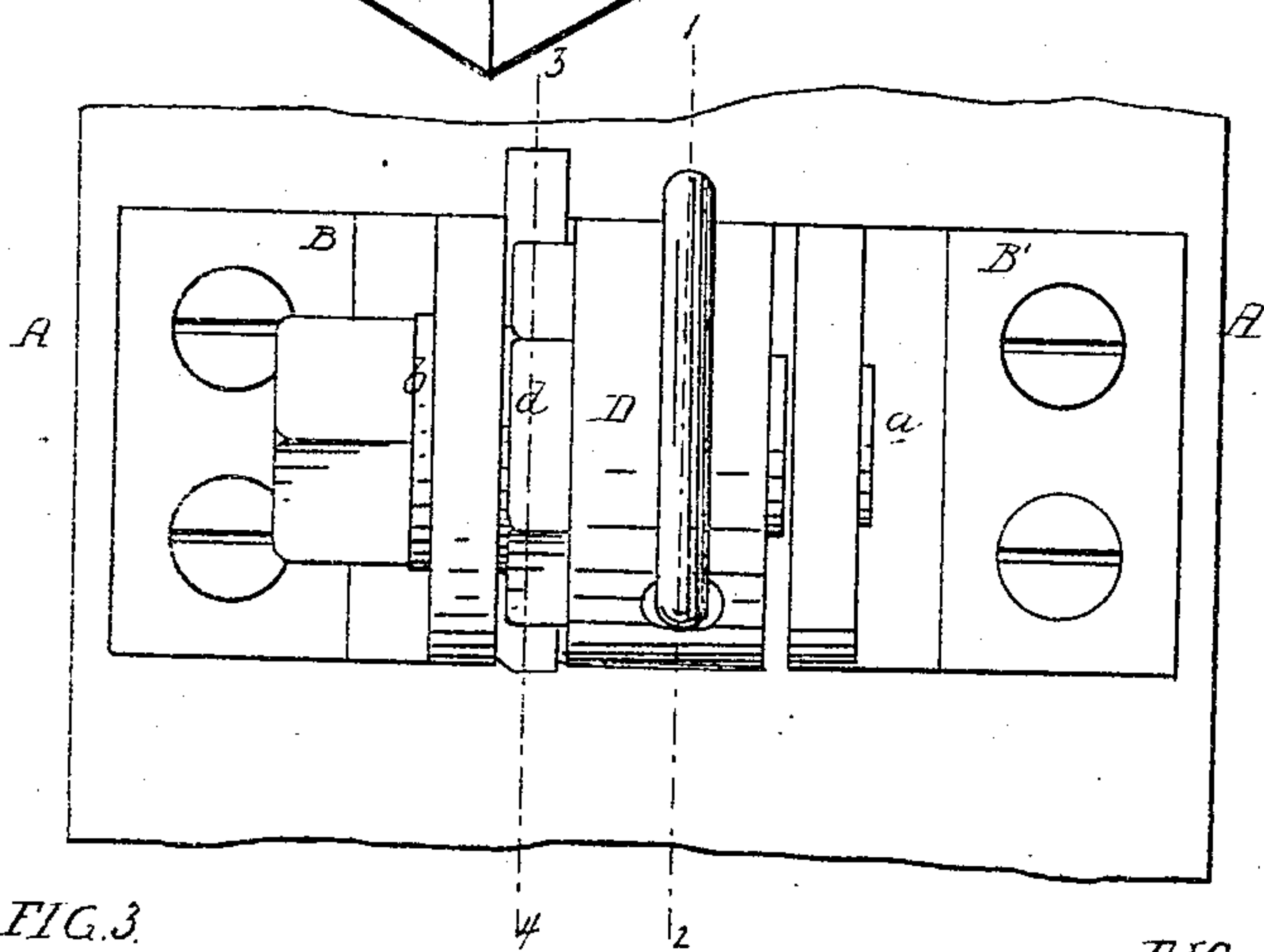
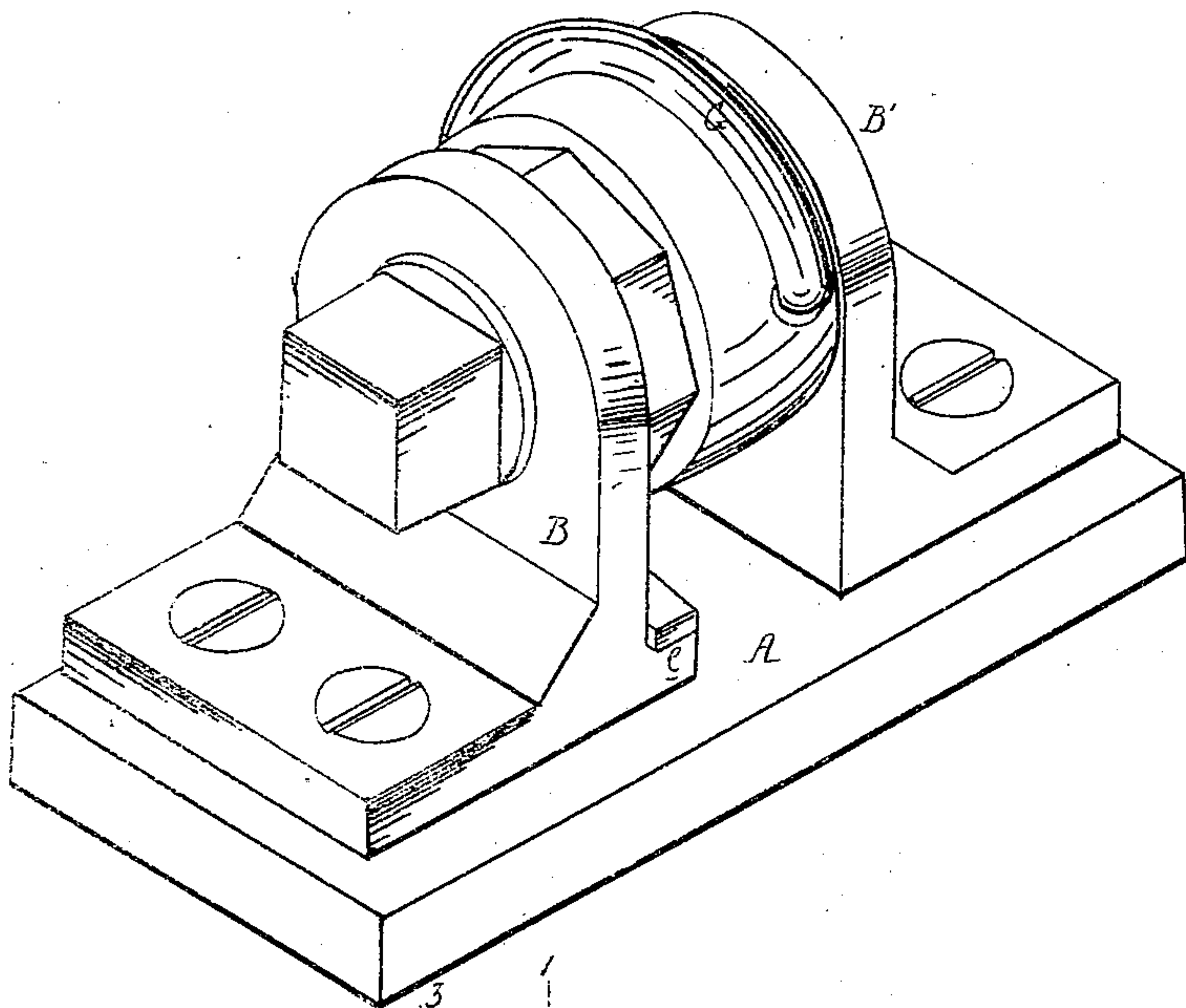


*W. E. Lockwood.*  
*Fastening for Wire Fences.*  
*Nº 73349*                      *Patented Jan. 14, 1868.*



*Witnesses:*

*Wm. Albert Steel*  
*S. H. Godwin*

*Inventor:*

*W. E. Lockwood*  
*By his Atty*  
*H. Howson*

# United States Patent Office.

WILLIAM E. LOCKWOOD, OF PHILADELPHIA, PENNSYLVANIA.

*Letters Patent No. 73,349, dated January 14, 1868.*

## IMPROVEMENT IN FASTENINGS FOR WIRE FENCES.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM E. LOCKWOOD, of Philadelphia, Pennsylvania, have invented a Device for Tightening the Wires of Fences; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention consists of a pulley, arranged for receiving the wire of a fence, and having a many-sided projection, between which and a shoulder on one of the brackets in which the pulley turns is inserted a key for retaining the wire in a tightened condition, the whole being constructed and arranged substantially as described hereafter, and forming a cheap, simple, and effective device for tightening the wires of fences.

In order to enable others to make and use my invention, I will now proceed to describe its construction and operation, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figure 1 is a perspective view of my device for tightening the wires of fences.

Figure 2, a front view of the same.

Figure 3, a section on the line 1 2, fig. 2, and

Figure 4 a section on the line 3 4, fig. 2.

Similar letters refer to similar parts throughout the several views.

A represents part of a fence-post, to which are secured the two cast-iron brackets B and B', the small journal *a* of the pulley D turning in the latter bracket, and the large journal *b* of the same pulley turning in and projecting through the bracket B, and having a square termination, for receiving a suitable winch or screw-key. On one side of the pulley D is a projection, *d*, which, in the present instance, is of the hexagonal form represented in fig. 4, but which may have five, eight, or any other appropriate number of sides, and on the bracket B, adjacent to this projection, is formed a shoulder, *e*, between which and one of the sides of the said projection intervenes a key, E. An annular recess, *f*, is formed in one side of the pulley, and in the periphery of the latter is made a hole, *h*, for admitting the ends of the fence-wire G, which may be bent as shown in fig. 3, so as to retain its hold of the pulley.

After the wire has been thus inserted into the hole of the pulley, the latter is turned in the direction of the arrow, figs. 3 and 4, and the wire thereby coiled round or partly round the periphery of the pulley, until it has been drawn sufficiently tight, when the wedge or key E is inserted between one of the sides of the projection *d* of the pulley and the inclined shoulder *e* of the bracket B, thereby effectually preventing the recoil of the tightened wire. Should the wire, owing to a change of temperature, or through other cause, require to be tightened or loosened, this duty can be readily accomplished after the withdrawal of the key, E.

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

The pulley D, its many-sided projection *d*, when the said pulley is arranged to turn in the brackets B and B', or their equivalents, and is confined by a key, E, all substantially as and for the purpose herein set forth.

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

WILLIAM E. LOCKWOOD.

Witnesses:

JOHN WHITE,

C. B. PRICE.