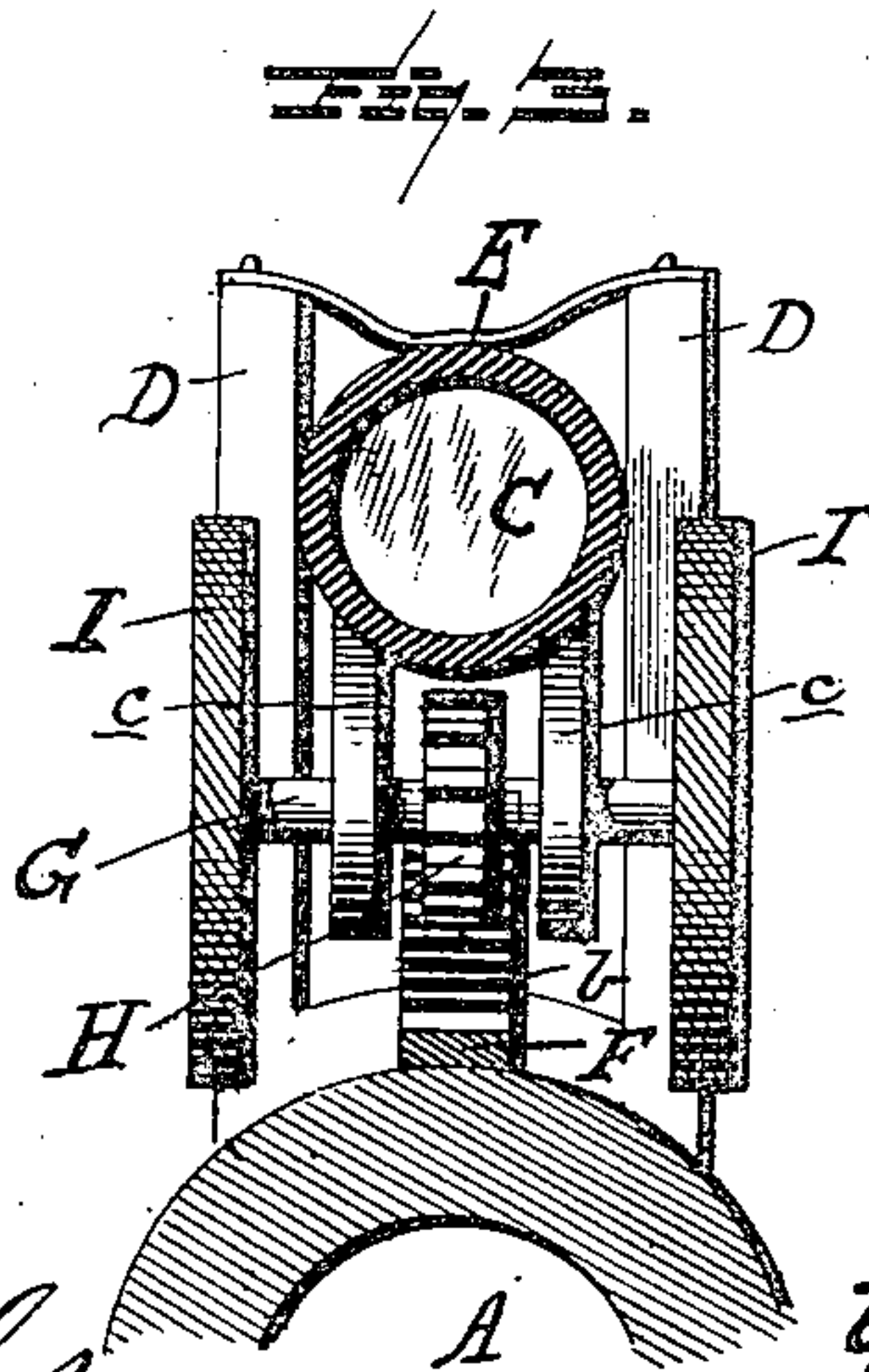
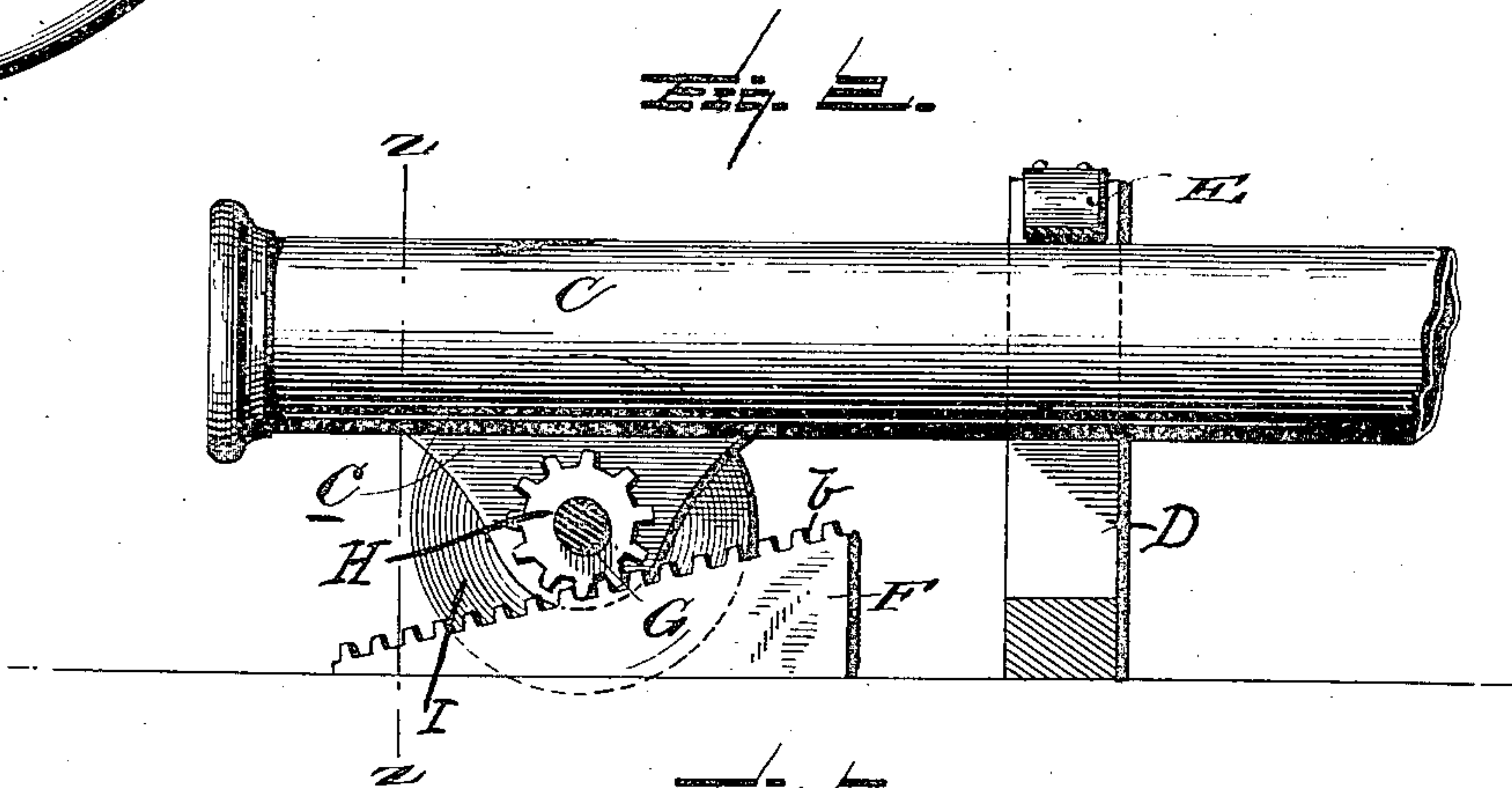
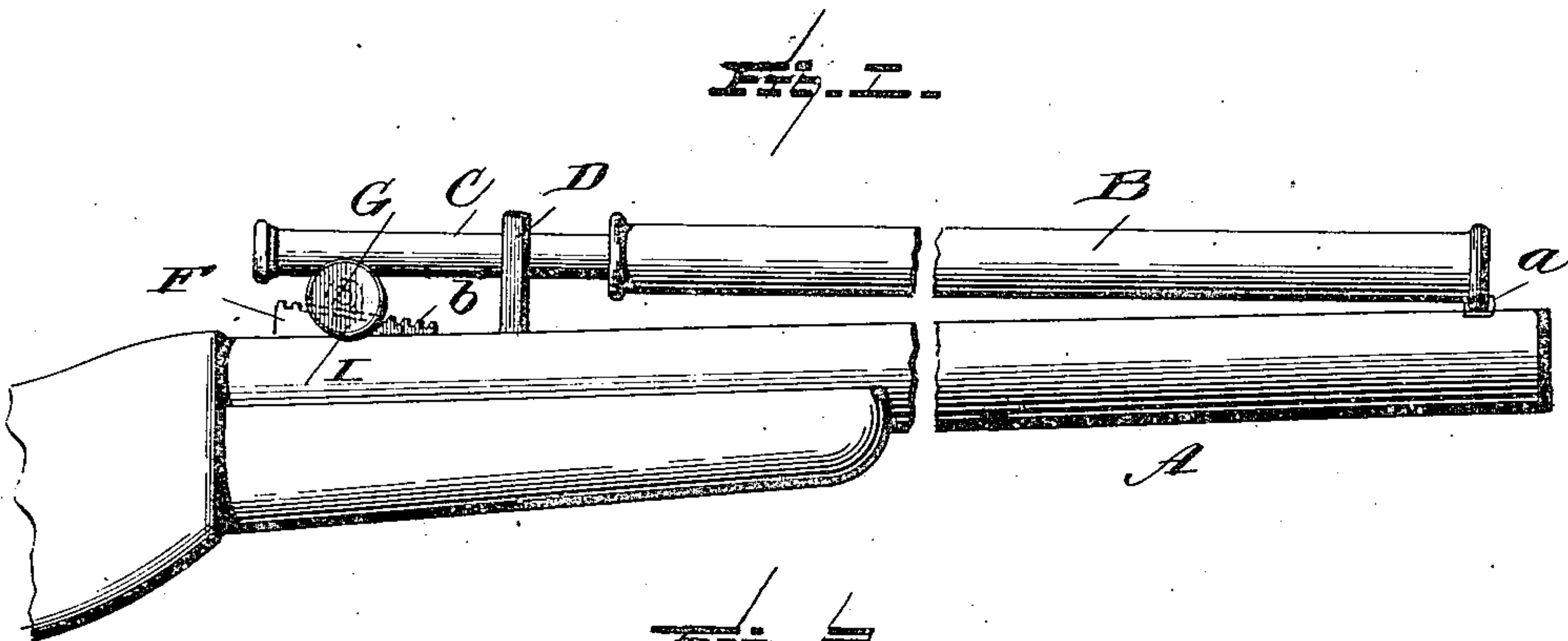


(No Model.)

Y. PATCHEN.  
TELESCOPIC GUN SIGHT.

No. 465,088.

Patented Dec. 15, 1891.



Witnesses

L. C. Hills.

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# UNITED STATES PATENT OFFICE.

YORK PATCHEN, OF WESTFIELD, NEW YORK.

## TELESCOPIC GUN-SIGHT.

SPECIFICATION forming part of Letters Patent No. 465,088, dated December 15, 1891.

Application filed May 2, 1891. Serial No. 391,347. (No model.)

*To all whom it may concern:*

Be it known that I, YORK PATCHEN, a citizen of the United States, residing at Westfield, in the county of Chautauqua, State of New York, have invented certain new and useful Improvements in Gun-Sights, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in method of and apparatus for obtaining the correct elevation of a fire-arm by utilizing the focusing of a telescope.

I pivot or hinge a telescope to a fire-arm and provide means for elevating and lowering the same, at the same time drawing out or moving in the telescope.

The device is simple, cheap, durable, and can be readily attached to any rifle or other device used to propel a projectile or projectiles to a distance. The telescope may be attached to the upper or side face of the rifle, as may be found most expedient.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a side elevation of a portion of a rifle with my improvements applied thereto. Fig. 2 is a side elevation, on an enlarged scale, of the rear portion of the telescope with parts in section, showing the cog-wheel and its toothed engaging plate. Fig. 3 is a vertical cross-section on the line  $z z$ , with the rifle-barrel also in section.

Like letters of reference indicate like parts in all the views where they occur.

Referring now to the details of the drawings by letter, A designates the barrel of a rifle of known construction, except as hereinafter specified.

B is a telescope, which may also be of known or of any approved construction, hinged at its outer end to the rifle-barrel in any suitable manner, as shown at  $a$ . The movable part C of the telescope is guided between the uprights D, secured to the barrel, and across the

upper face of the said movable part and arranged so as to bear thereon is a spring E, which may be a bow-spring, as shown in Fig. 3, or any other kind suited to the purpose. It is shown as attached at its ends to the uprights D. On the upper face of the barrel, near the breech, is a toothed plate F, which has an inclined upper face, which is toothed, as shown at  $b$ , and depending from the under side of the movable part of the telescope are the lugs  $c$ , in which is journaled the horizontal shaft G, to which is fixed between the said lugs a cog-wheel H, which is designed to mesh with the toothed plate, as shown in all of the views. This shaft is provided at one or both ends with a wheel or handle I, preferably a wheel, as shown, the periphery of which is preferably milled or otherwise roughened to afford a better grip.

The plates F may be arranged to incline in either direction. In Fig. 1 I have shown the plate inclined in one direction and in Fig. 2 as inclined in the opposite direction.

The operation will be readily understood from the above description when taken in connection with the annexed drawings. As I elevate or lower the telescope I draw it out or push it in, according to the direction in which the plate is inclined. I elevate correctly by means of the focus and tell the distance by means of the telescope. The sliding in and out of the movable part of the telescope focuses the object at which it is desired to shoot. The cog-wheel is revolved by the wheel or handle I.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages. The method may be carried out by other means.

If desired, a scale may be placed on the side or other appropriate place to elevate to known distances, if the distance be known, allowing the shooter to elevate and focus for that distance by one motion before bringing the gun to his shoulder.

What I claim as new is—

1. The combination, with the barrel of a fire-arm and a telescope, of means connecting the two and operating to simultaneously change the focus and elevation of the telescope, as set forth.

2. The combination, with a rifle-barrel, of a telescope hinged thereto, and connecting means for elevating or depressing the telescope and simultaneously moving the movable part of the telescope lengthwise of the barrel, as set forth.

3. The combination, with a rifle-barrel, of a telescope hinged thereto, a toothed plate on one part, and a cog-wheel on the other part engaging therewith, as set forth.

4. The combination, with a rifle-barrel, of a telescope hinged thereto at the muzzle end, an inclined toothed plate on the barrel, and a cog-wheel on the telescope engaging with the toothed plate, as set forth.

5. The combination, with the rifle-barrel, of a telescope hinged thereto, guides on the barrel, a spring bearing on the movable part of the telescope, an inclined toothed plate on the barrel, a cog-wheel, and a turning wheel on the shaft thereof carried by the movable part of the telescope, as and for the purpose specified.

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

YORK PATCHEN.

Witnesses:

J. A. SKINNER,  
G. S. FLAGLER.