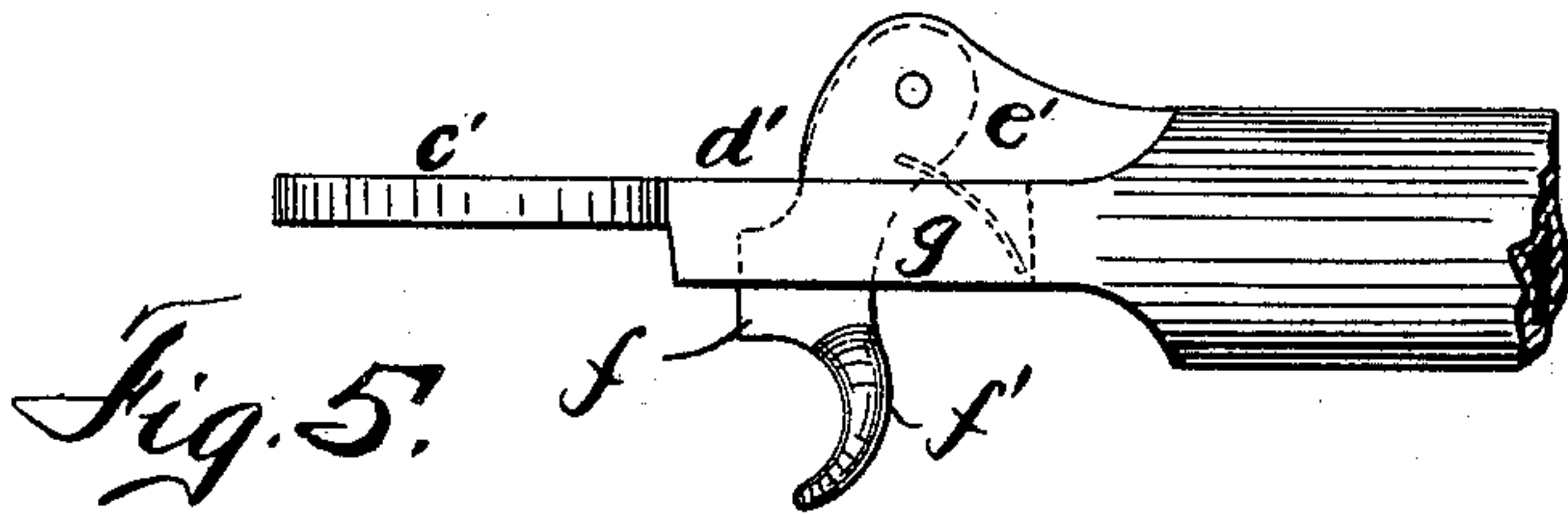
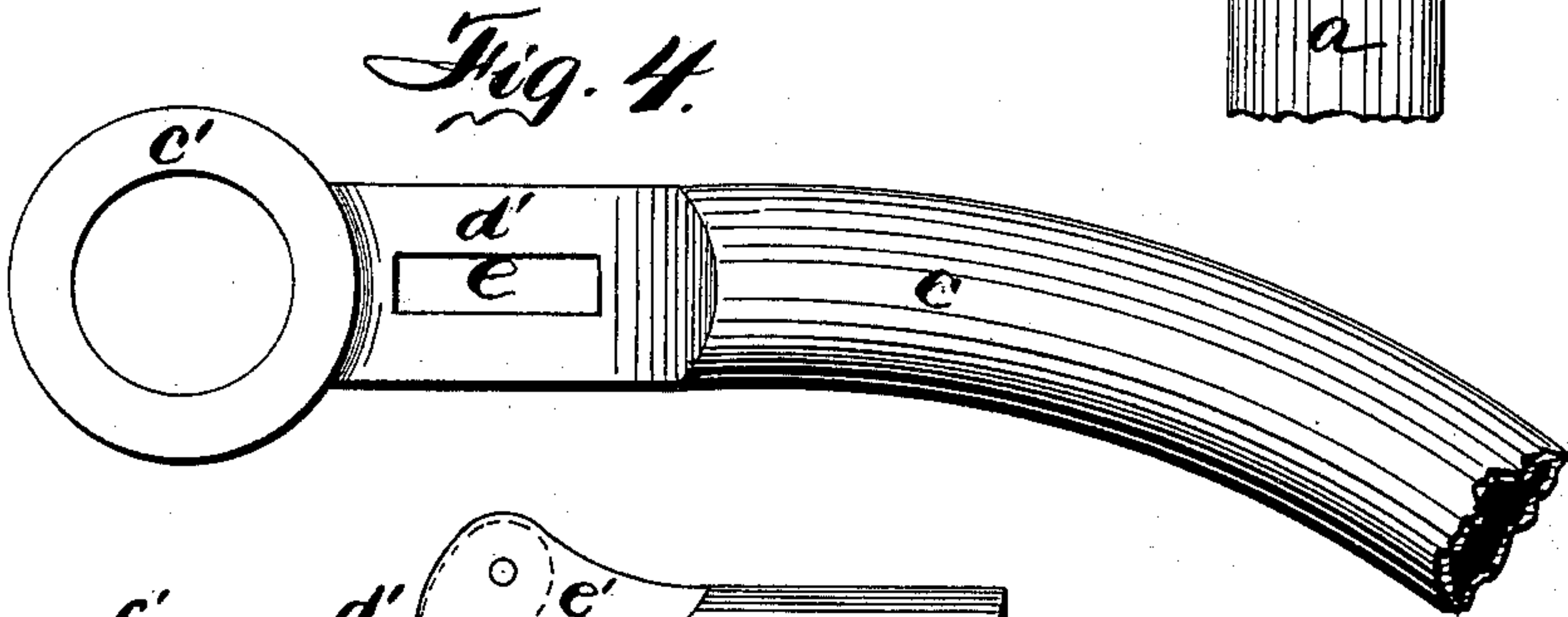
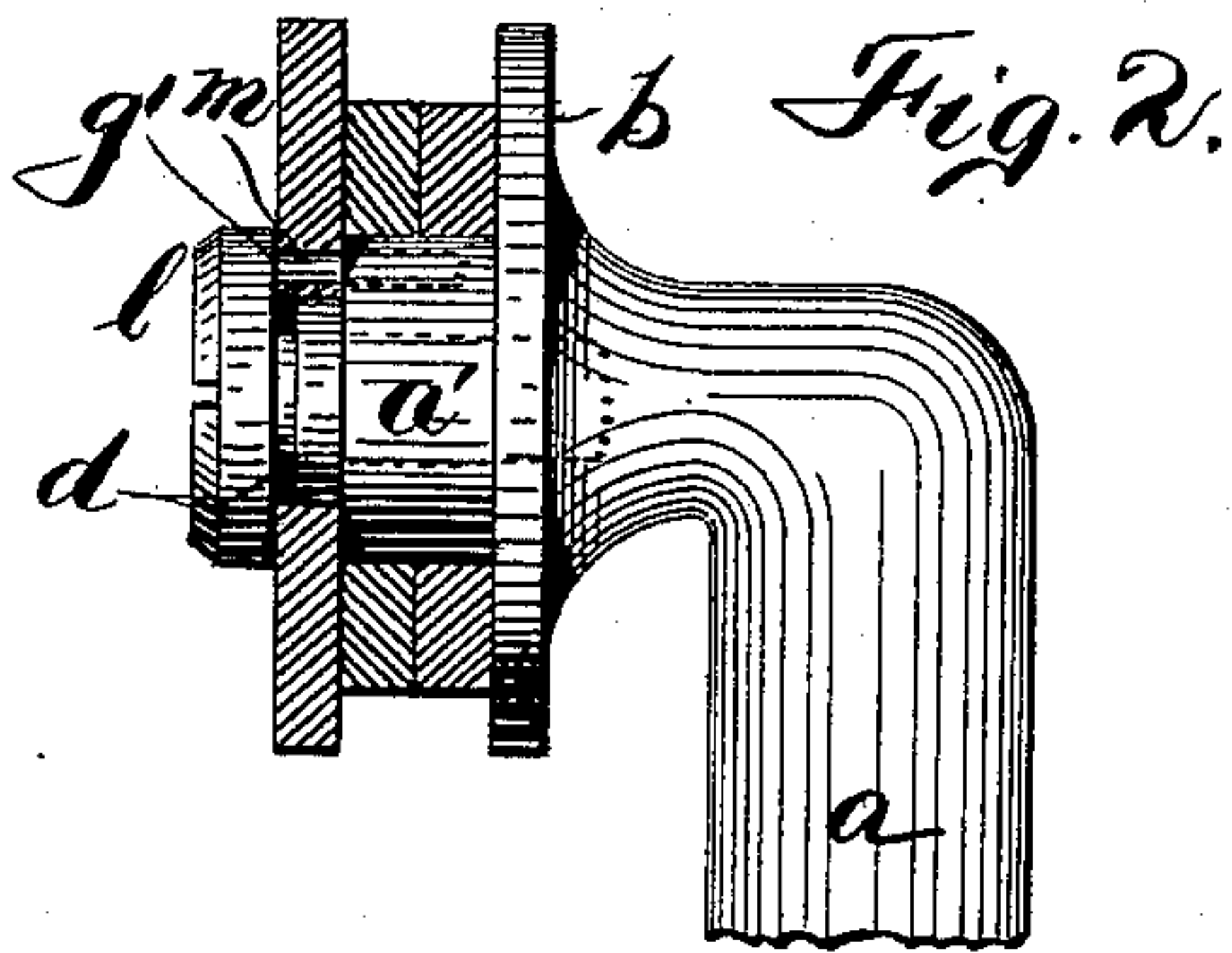
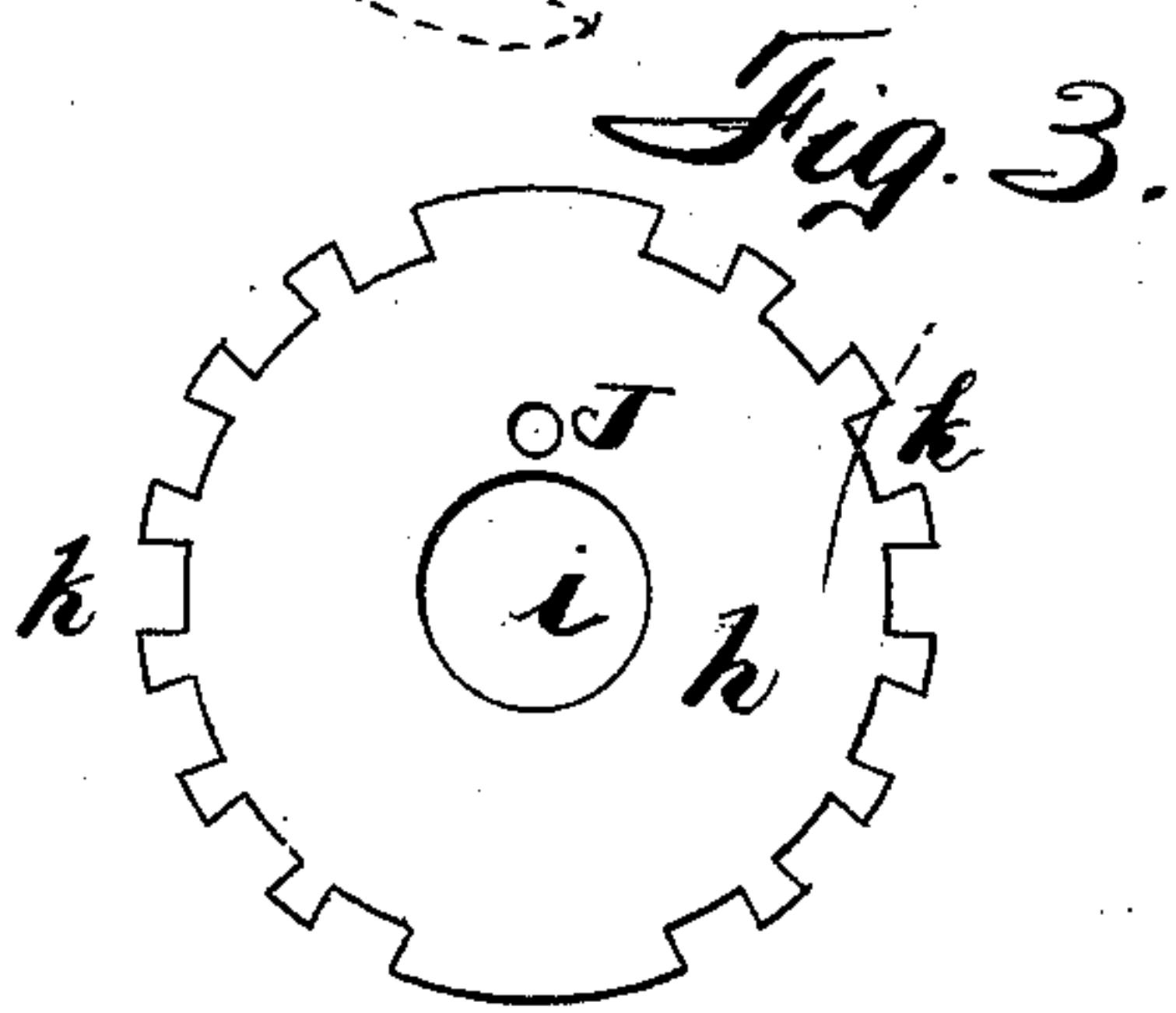
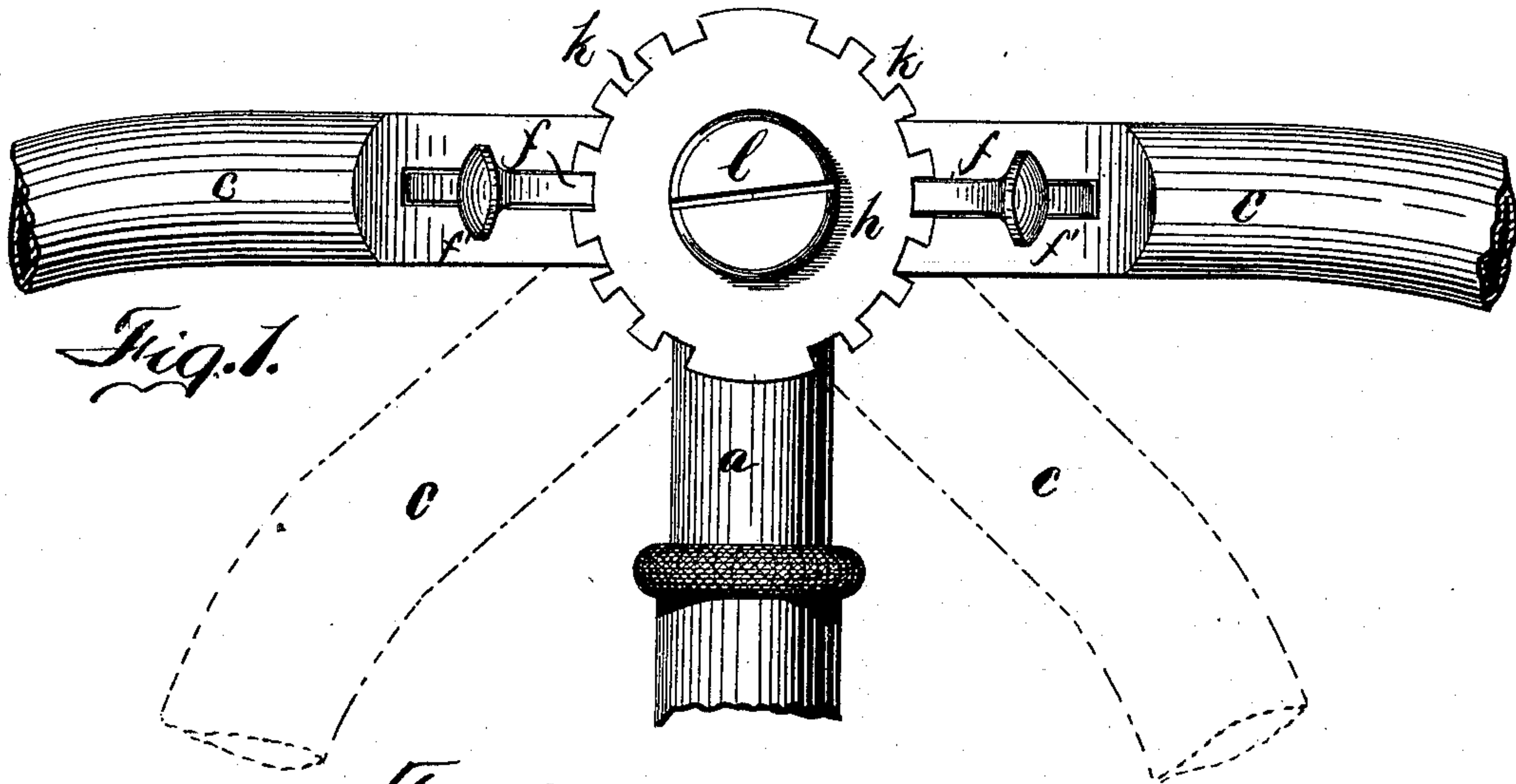


(No Model.)

W. H. CASTLE.
BICYCLE.

No. 604,187.

Patented May 17, 1898.



WITNESSES:

Charles W. Marvin.
Jessie E. Murray.

INVENTOR

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BY

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM H. CASTLE, OF WEEDSPORT, NEW YORK, ASSIGNOR OF ONE-HALF
TO THE GENEVA CYCLE COMPANY, OF GENEVA, OHIO.

BICYCLE.

SPECIFICATION forming part of Letters Patent No. 604,187, dated May 17, 1898.

Application filed January 27, 1896. Renewed January 20, 1898. Serial No. 667,353. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. CASTLE, of Weedsport, in the county of Cayuga, in the State of New York, have invented new and
5 useful Improvements in Bicycles, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description, for which I have obtained British Letters Patent, No. 18,466, dated Au-
10 gust 20, 1896.

This invention relates to bicycles, and more particularly to adjustable handle-bars thereon.

My object is to produce an adjustable han-
15 dle-bar mechanism whereby I am enabled to raise the handles to any height desired or lower them sufficiently to lie against the frame, so as to allow the bicycle to be packed and shipped in a minimum amount of space, the
20 further object also being to allow the handle-bars to be easily and quickly dropped down parallel with the frame and to lie close to it, so that the machine may be rested against a wall without fear of its being readily over-
25 turned; and to that end my invention consists in the several new and novel features of construction and operation hereinafter described and which are specifically set forth in the claims hereunto annexed. It is con-
30 structed as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a rear view of the steering-post of a bicycle and the handle-bars connected therewith, the outer ends of the bars and the
35 lower part of the post being broken away. Fig. 2 is a side view of the upper end of the steering-post, showing the connection of the handle-bars and disk in section. Fig. 3 is a view of the disk detached. Fig. 4 is a side
40 view of the inner end of the handle-bar detached, the latch being removed. Fig. 5 is an edge view thereof, showing the latch.

Similar letters of reference indicate corresponding parts.

45 *a* is the steering-post, having a rearwardly-extending arm *a'* and flange *b*. The arm *a'* is provided with an interiorly-threaded opening *d*. (Indicated by the dotted lines in Fig. 2.)

50 *c* are the handle-bars, constructed substantially as shown and being provided on their

inner ends with rings *c'*, the portion of the handle adjacent to the rings being reduced in thickness, as shown at *d'*, and provided with a mortise *e*.

Upon one side of the handle-bars and adja- 55 cent to the mortise *e* are ears *e'*, and hinged thereto is a spring-actuated latch *f*, having a thumb-piece *f'*, *g* being a spring which actuates the latch *f*. At one side of the opening in the arm *a'* is a smaller opening *g'*. The
60 rings which the handles carry are placed one after the other upon the arm *a*, and the disk *h*, having perforations *i* and *j* and notches *k* in its periphery, is then placed upon the arm
65 *a'* and a screw *l* inserted into the opening *d* for the purpose of holding the rings and disk upon the arm *a'*. The pin *m* is also inserted
70 through the opening *j* and opening *g'*, so as to prevent the disk from rotating, the rings being allowed to hang loosely upon the arm
75 *a'*, so that they may be rotated at will.

The latch *f* is adapted to engage with the notches *k* upon the disk *h*, so as to hold the handle-bars at any position desired. Assum-
ing the handle-bars are in the position shown 75 in Fig. 1, if the operator desires to raise the handle-bars he presses the thumb-piece *f'* outwardly until the latches *f* become disengaged from the notches *k*. He then either raises or
80 lowers them to any point desired, and as soon as his thumbs are removed the latches are thrown into the notches *k*, where they are held by springs *g* until again released.

Having described my invention, what I claim, and desire to secure by Letters Patent, 85 is—

1. The combination with the steering-post having a rearwardly-extending arm interiorly threaded and provided with a flange, handle-bars mounted on said arm, adapted to 90 rotate, a notched disk mounted on said arm, means for preventing the disk from rotating upon the arm and means for securing said disk and handle-bars upon said arm and a latch secured upon said handle-bars and
95 adapted to engage with the notches in said disk, as set forth.

2. The combination with a steering-post, of a rearwardly-extending arm having an interiorly-threaded opening and a flange, han- 100

dle-bars mounted upon said arm and adapted to rotate, and a notched disk mounted on said arm, means to prevent its rotation, a screw adapted to engage with said opening in the arm for the purpose of holding the disk and
5 handle-bars upon the arm, spring-actuated latches mounted upon said handle-bars and adapted to engage with the notches in the

disk, substantially as described for the purposes set forth. 10

In witness whereof I have hereunto set my hand on this 16th day of January, 1896.

WILLIAM H. CASTLE.

In presence of--

E. M. HENDERSON,
ISAAC CHADDERDON.