

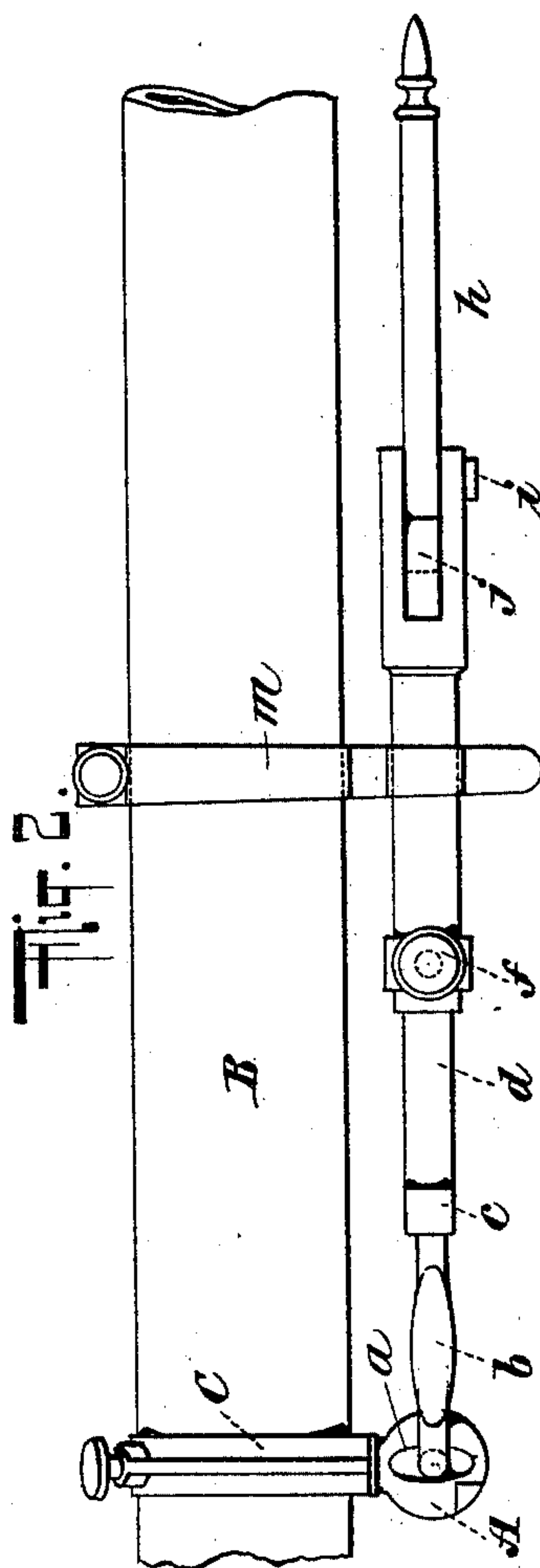
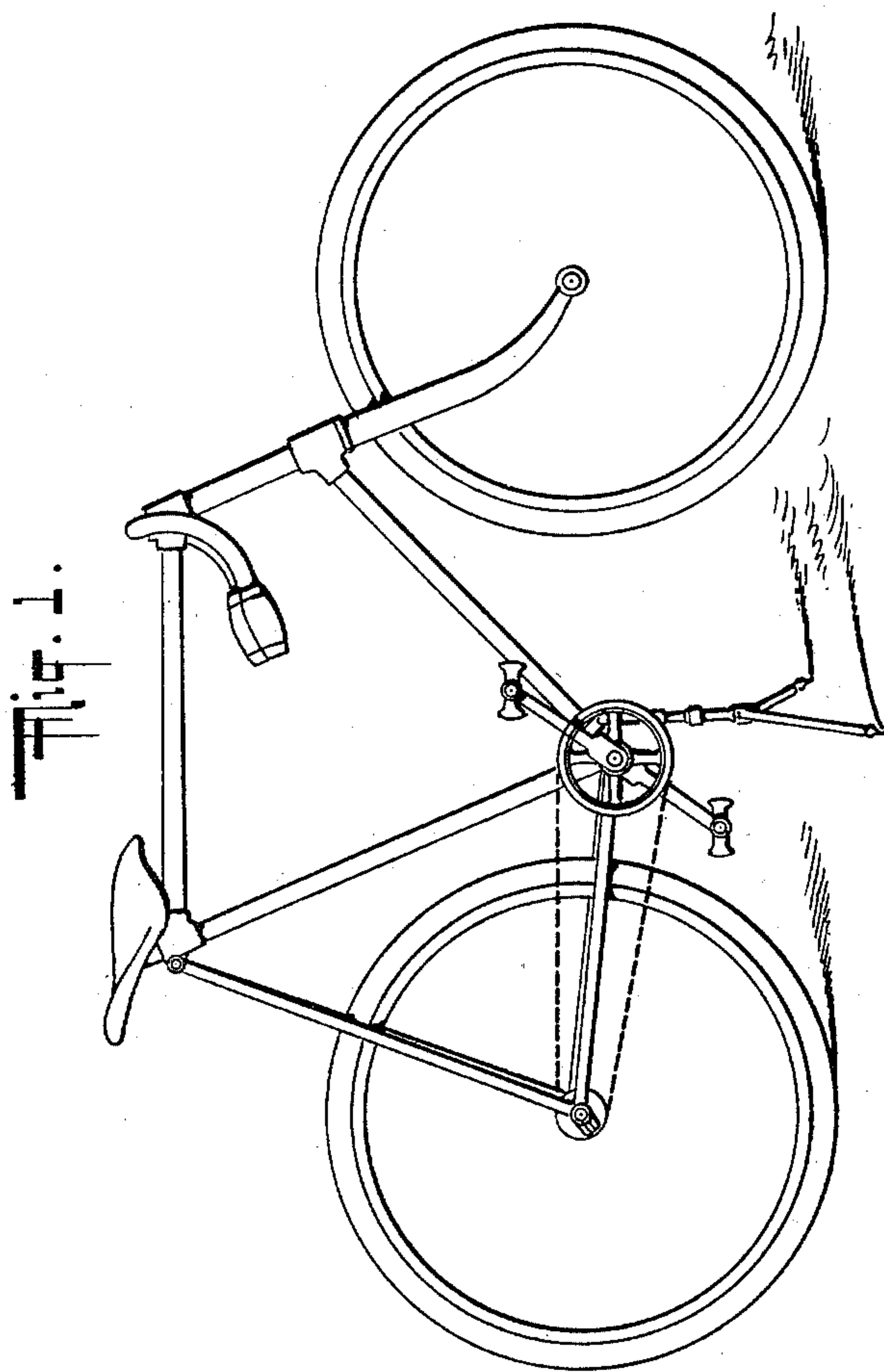
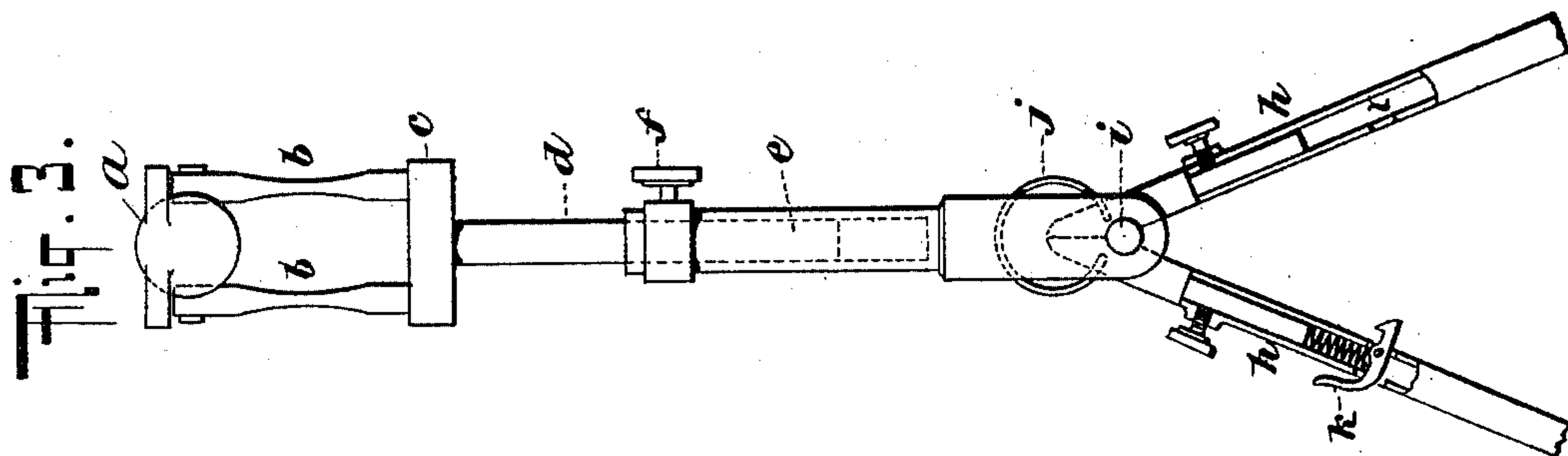
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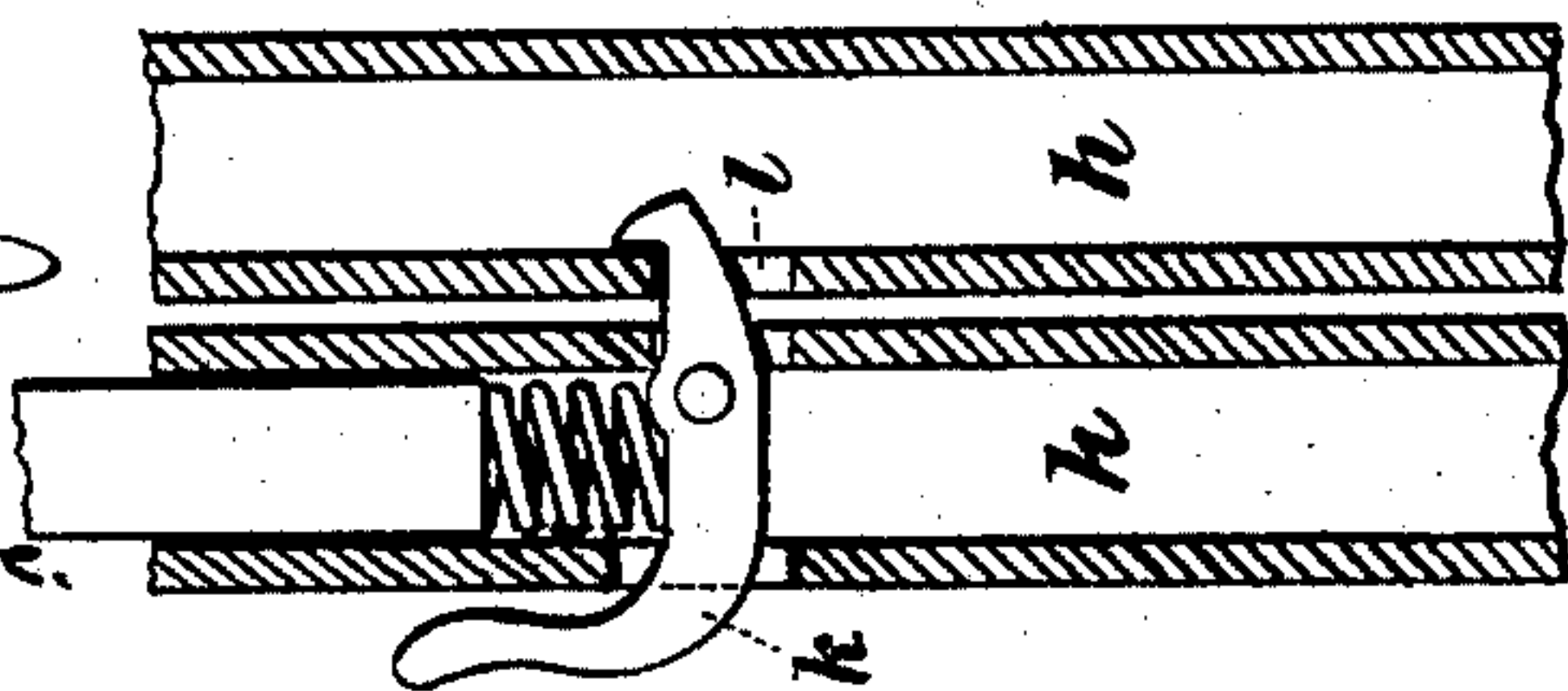
R. LO FORTE.
BICYCLE SUPPORT.

No. 592,472.

Patented Oct. 26, 1897.



WITNESSES
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INVENTOR
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(No Model.)

2 Sheets—Sheet 2.

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Fig. 4.

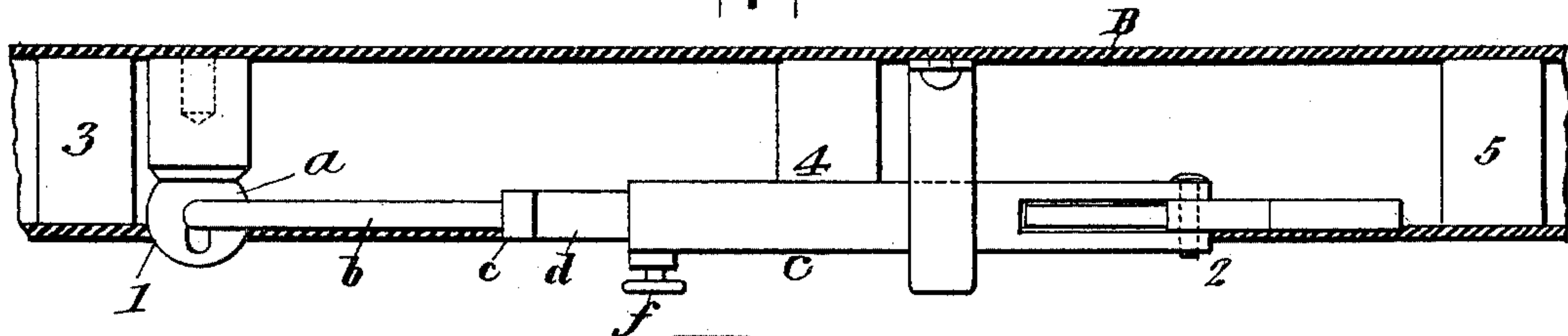


Fig. 5.

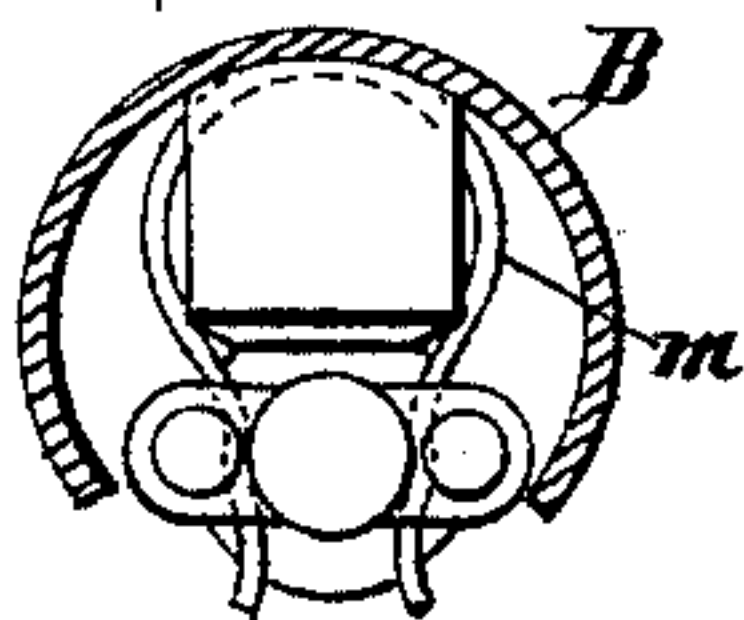
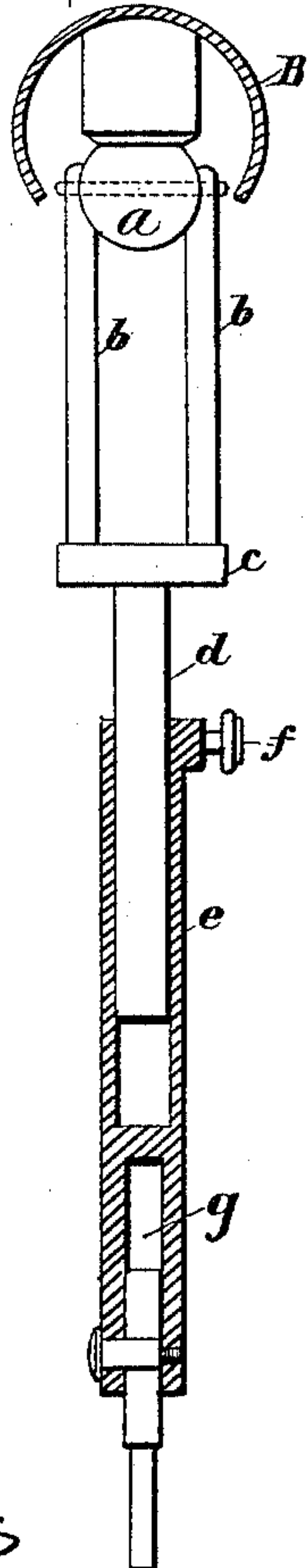


Fig. 6.



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UNITED STATES PATENT OFFICE.

REMIGIO LO FORTE, OF NEW YORK, N. Y.

BICYCLE-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 592,472, dated October 26, 1897.

Application filed August 13, 1896. Serial No. 602,680. (No model.)

To all whom it may concern:

Be it known that I, REMIGIO LO FORTE, a resident of the city, county, and State of New York, have invented certain new and useful
5 Improvements in Bicycle-Supports, of which the following is a specification.

My invention relates to supporting devices for bicycles—that is to say, to devices which will maintain a bicycle at rest in an upright
10 position.

To this end my invention consists in the construction hereinafter set forth and claimed.

My invention will be understood by referring to the accompanying drawings, in
15 which—

Figure 1 is a side view of a bicycle, showing my invention applied thereto. Fig. 2 is an enlarged side detail view showing my device swung into its elevated position. Fig. 3 is a
20 an enlarged front view of my device partly in section. Fig. 4 is a sectional side elevation of my device, showing it attached to a bicycle in a manner different from that shown in Fig. 2. Fig. 5 is a transverse section of Fig.
25 4. Fig. 6 represents the structure shown in Fig. 5 let down for use. Fig. 7 is an enlarged detail view of the lower portions of the bifurcated rest, showing particularly the means for locking the arms of the rest together.

30 In the drawings forming part hereof, A is the spring-snap joint, which is shown in Fig. 2 as attached to the inclined tube or rod of the bicycle-frame B by means of a clamp C at the lower end of the said tube.
35 This joint is shown as comprising in the present instance a grooved or recessed ball *a*, secured to the clamp C and gripped on opposite sides by a fork comprising springy rods *b b*, which are united by a yoke *c*, from
40 which projects a bit *d*. Surrounding this bit is a sleeve or shank *e*, which is adjustable up and down on the bit and held thereto by a set-screw *f*. The shank *e* is shown as grooved or recessed at its end with a recess *g*, which
45 recess serves for the reception of the ends of adjustable rods or legs *h*, which are pivoted in the shank *e* by the pivot *i* and sprung apart by the spring *j*. The shank and the pivoted arms, together with the bit *d*, in the
50 present instance constitute the “rest.”

Referring particularly to Fig. 7, it will be noted that the pivoted rods or tubes *h* are

provided one with a pivoted fish-tail dog *k* and the other with a locking recess *l*, (see Fig. 7,) whereby the said arms or tubes may
55 be swung together and locked in substantial parallelism when the device is swung up out of use. It is not necessary that the rest should consist of but two pivoted tubes or rods. I
60 prefer, however, that the rest should be bifurcated, so as to present at least two points of support, the wheel of the machine serving as the third point of support or the third member of the tripod, and, if necessary, the
65 other wheel of the bicycle forming a fourth support.

Various modes of attaching my support may be employed—for instance, that shown in Fig. 4, wherein the attaching device and the entire support are contained within one
70 of the tubes of the bicycle, the said attaching device being secured to the inner wall of the tube, and the tube being cut away between the points 1 and 2 to permit the entry and withdrawal of the support from the tube,
75 the rest swinging on the ball A as a pivot. Any possible weakening of the structure of the tube by cutting away the wall may be compensated for by placing blocks 3 4 5 at
80 suitable places in the tubes. These blocks may be of any desired size and spaced in any suitable manner. The spring-snap joint serves to maintain the rest in the position in
85 which it is swung, but to make sure that the rest will not fall down I may in some cases provide the tube of the bicycle with a clamping-spring, (shown in Figs. 2 and 5,) as a
90 spring *m*, which spring will embrace the bit *d* or other suitable portion of the device to hold the same up in position.

The operation of my device will be obvious from the construction and the foregoing description—that is to say, the device when the
95 bicycle is in motion may be swung up into the position shown in Figs. 2 and 4—and when the bicycle is at rest the device may be swung down to form a rest or support for the bicycle. It will likewise be obvious that this device may be made of various materials, so
100 that I do not limit myself to the materials, and it will likewise be obvious that it may be adjusted to various sizes and makes of wheels, it being merely necessary to telescope the parts by the means provided for that pur-

pose, so that irregularities in the ground may be compensated for and the bicycle held erect under almost any condition of practice.

What I claim, and desire to secure by Letters Patent, is—

1. In a bicycle-support, the combination of a clamp C adapted to connect with a bicycle-frame, a spring-snap joint connected to the clamp, a bit *d* extending from the said snap-joint, a sleeve or shank *e* surrounding the said bit and adjustable up and down on the same, a plurality of legs *h* adjustable in length and pivoted to said sleeve so as to swing in parallel planes in order to form a bifurcated rest and a dog *k* pivoted in one of the adjustable legs *h*, the other of the said legs being provided with a locking-recess *l* adapted to be engaged by the dog *k*, the adjustable legs being adapted to be separated so as to extend at right angles to the plane of the frame of a bicycle.

2. In a bicycle-support, the combination of

a clamp C, a spring-snap joint connected thereto, the same consisting of a recessed ball *a* secured to the clamp C, a fork comprising springy rods *b b* gripping the opposite sides of the recessed ball, a yoke *c* uniting the said springy rods, a bit *d* projecting from the yoke *c*, a sleeve or shank *e* surrounding the said bit and adjustable up and down on the said bit, a set-screw for locking the shank or sleeve *e* in place on the bit *d*, a plurality of extensible legs *h* pivoted to the shank or sleeve *e*, a spring *j* adapted to separate the said legs so that they form a bifurcated rest, a dog *k* pivoted to one of the said extensible legs, the other of the said legs being provided with a recess *l* for locking with the pivoted dog, substantially as described and for the purpose set forth.

REMIGIO LO FORTE.

Witnesses:

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