

No. 644,074.

Patented Feb. 27, 1900.

W. H. HART, JR.  
BICYCLE SUPPORT.

(Application filed Mar. 8, 1899.)

(No Model.)

Fig. 1.

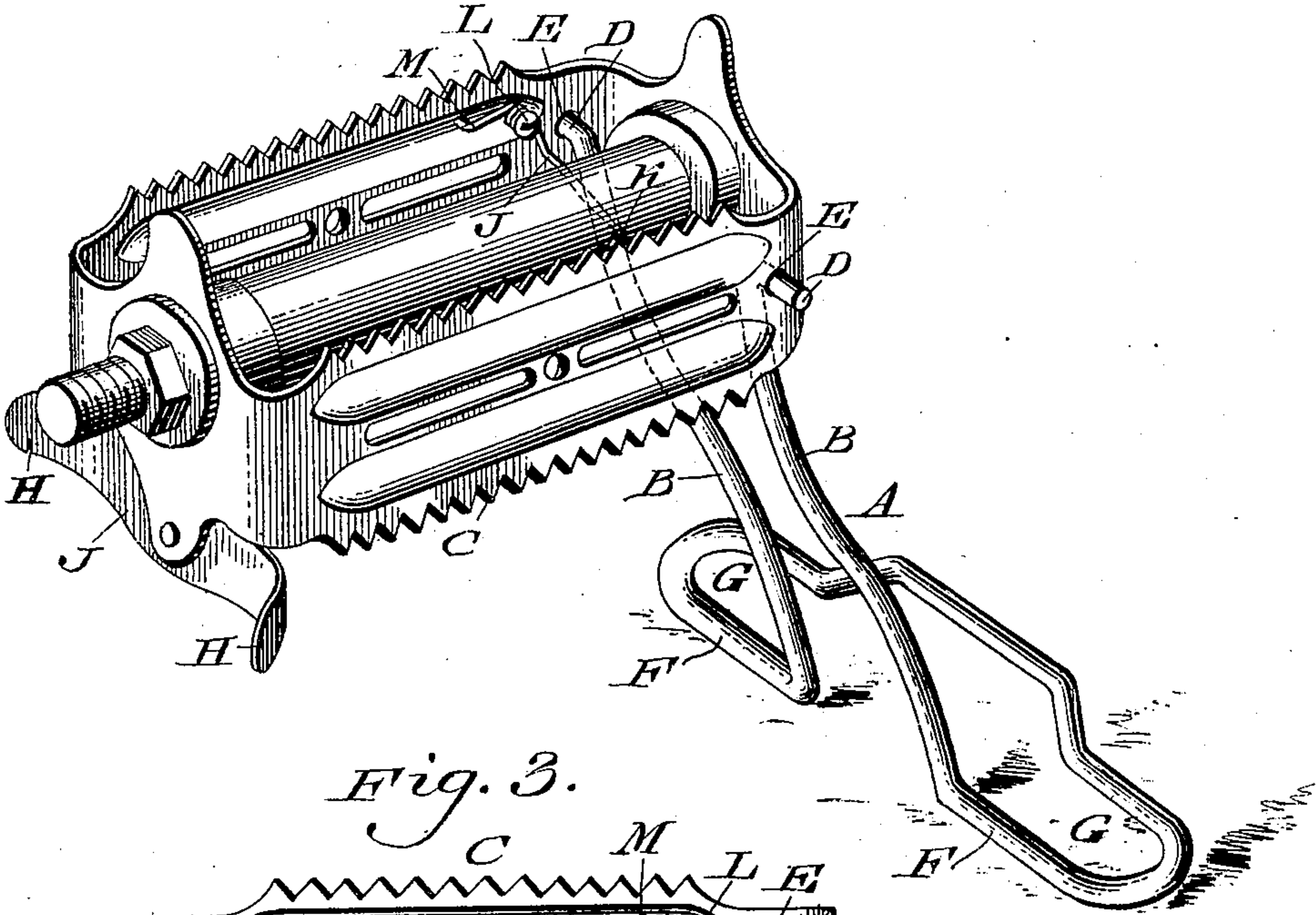


Fig. 3.

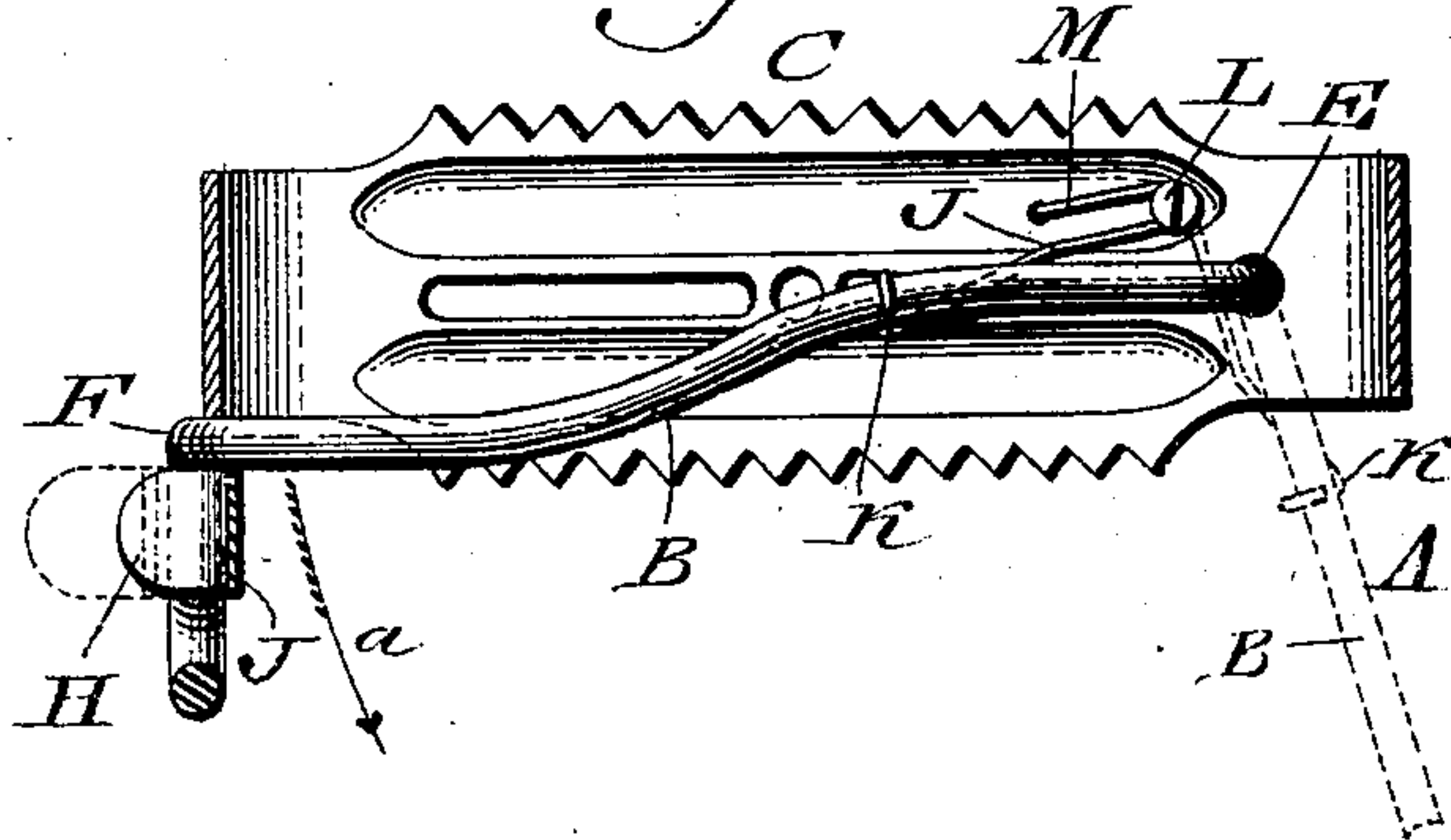


Fig. 4.

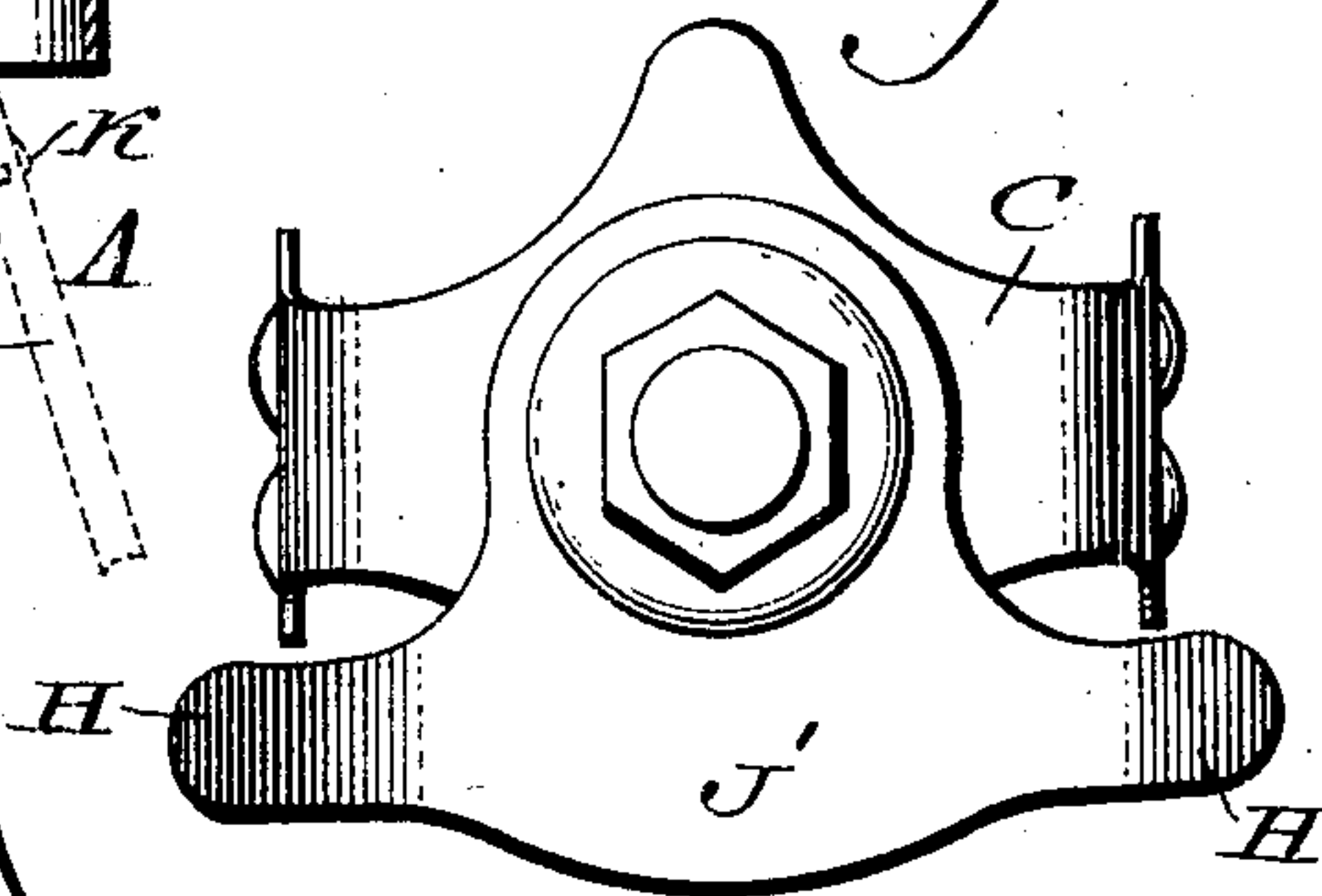
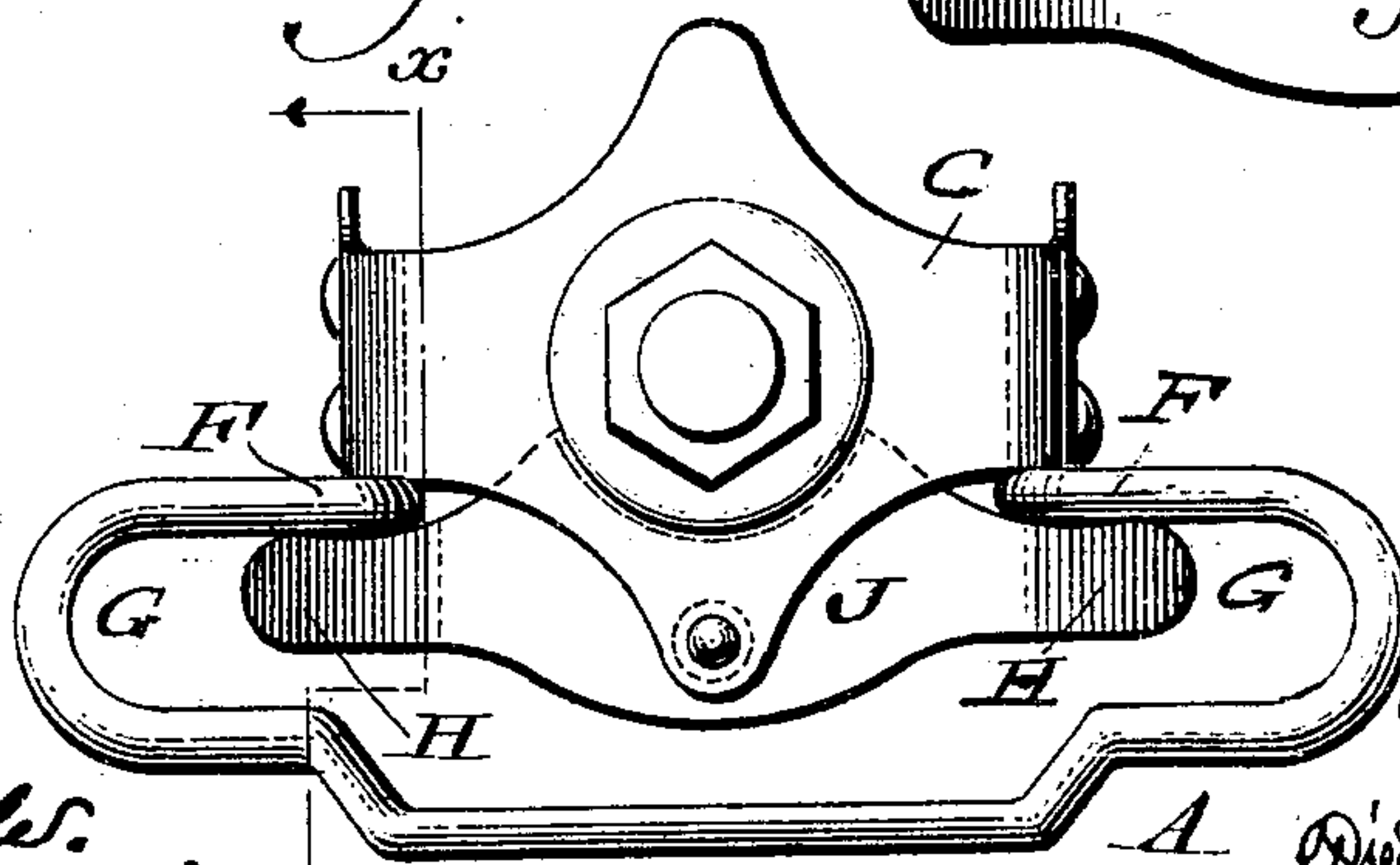


Fig. 2.



Witnesses

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## BICYCLE-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 644,074, dated February 27, 1900.

Application filed March 6, 1899. Serial No. 707,919. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. HART, Jr., a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Bicycle-Supports, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a bicycle-support having means for holding it in inoperative position on a pedal-frame and means for accelerating the motion of said support from the inoperative to the operative position.

It further consists of novel details of construction, all as will be hereinafter fully set forth, and particularly pointed out in the claims that follow the specification.

Figure 1 represents a perspective view of a bicycle-support embodying my invention, showing also a pedal-frame to which the same is applicable, the support being shown in operative position. Fig. 2 represents an end elevation of Fig. 1, showing the position of the support relative thereto when in closed position. Fig. 3 represents a section on line *x x*, Fig. 2, viewed in the direction of the arrows. Fig. 4 represents an end elevation similar to Fig. 2, but showing a modified form of device for sustaining the support when in inoperative position.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a bicycle-support, the same having the legs B, which are bent toward each other, so as to lie within the side pieces of the pedal-frame C when the support is in closed position, the extremities of said legs being deflected outwardly, as indicated at D, so as to form journals which are mounted in the openings or bearings E in said pedal-frame. The base of the support D is deflected at F and then bent so as to form the loops G, so that the base may be engaged by the wings or end members H of the spring or supporting device J, said members being resilient and being outturned, forming thumb or finger pieces, so as to readily sustain the base, and consequently the legs, when the support is in inoperative position.

In Figs. 1, 2, and 3 I have shown the spring J attached to the inner end portion of the

pedal-frame, while in Fig. 4 the spring J' is shown as attached to the outer end of the pedal-frame, it being noticed that the body or plate of said spring is firmly connected with said frame and that the latter is not affected in its strength or service, as it is not changed in any respect, excepting as to the means for fastening the spring to said frame.

K designates a spring having one end attached to a leg B and wound around the screw or pin L on the side of the pedal-frame and continued as the limb M, thus avoiding the use of a shaft or rod for supporting said spring and admitting of the convenient removal and application of the support, the function of said spring being to accelerate the descent of the support in the direction of the arrow *a*, (seen in Fig. 3,) when the extremities H of the spring J are disengaged from the portions F of said support. When the spring is disconnected from the legs, the latter may be pressed together, so that their journals or limbs D withdraw from the openings E, and so the legs are removed from the pedal-frame.

The operation is as follows: The parts normally appear as seen in Figs. 2 and 3, the legs B being located within the side pieces of the pedal-frame and the base F resting upon the spring J. When it is desired to turn the support into operative position, the ends H of said spring are bent or manipulated by pressing the ends or wings H toward each other by the fingers, so that the legs are unsupported, as said wings clear the legs, whereupon the spring J will cause the legs to quickly drop and assume the position seen in Fig. 1. When it is desired to turn the support into inoperative position, it is only necessary to turn the legs B from the position seen in Fig. 1 into the position seen in Figs. 2 and 3, the members F riding upwardly and over said ends H, which yield, as is evident.

It will be apparent that changes may be made by those skilled in the art which will come within the scope of my invention, and I do not therefore desire to be limited in every instance to the exact construction I have herein shown and described.

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

1. In a bicycle-support, a catch for holding



5 a supporting-leg in inoperative position on a pedal-frame, said catch consisting of a separate plate which is secured to said frame and provided with resilient terminals and finger-pieces.

10 2. A pedal-frame having an opening in the side thereof, and a support formed of a leg with a journal entering said opening, said leg being adapted to abut against the end wall of said frame in the operative position of the support, in combination with a spring whose ends are attached to said frame and leg, and whose intermediate portion is connected with the end piece of said frame.

15 3. In a bicycle-support, a pedal-frame having a catch attached thereto said catch con-

sisting of a plate with resilient winged ends, bearings on said frame adapted to receive a journal on the leg of said support and a spring common to said leg and a suitable fixed point 20 on said pedal-frame for lowering said leg, the base portion of said leg being adapted to be engaged by said catch for holding the support in inoperative position, said portion being adapted to press said winged ends toward 25 each other so as to pass by and over the same, and then be seated in said plate.

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Witnesses:

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