

No. 644,090.

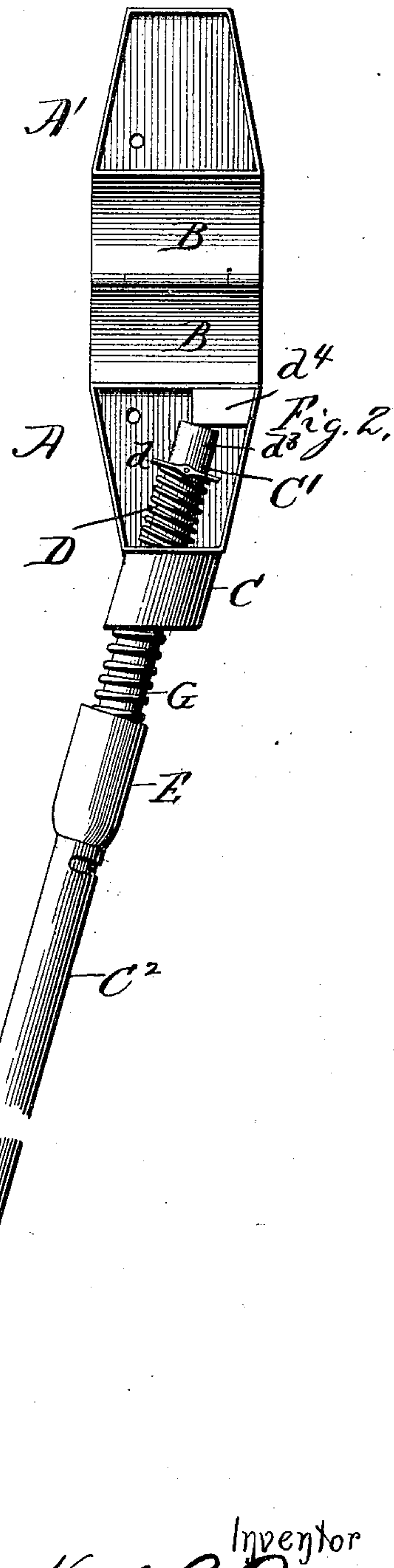
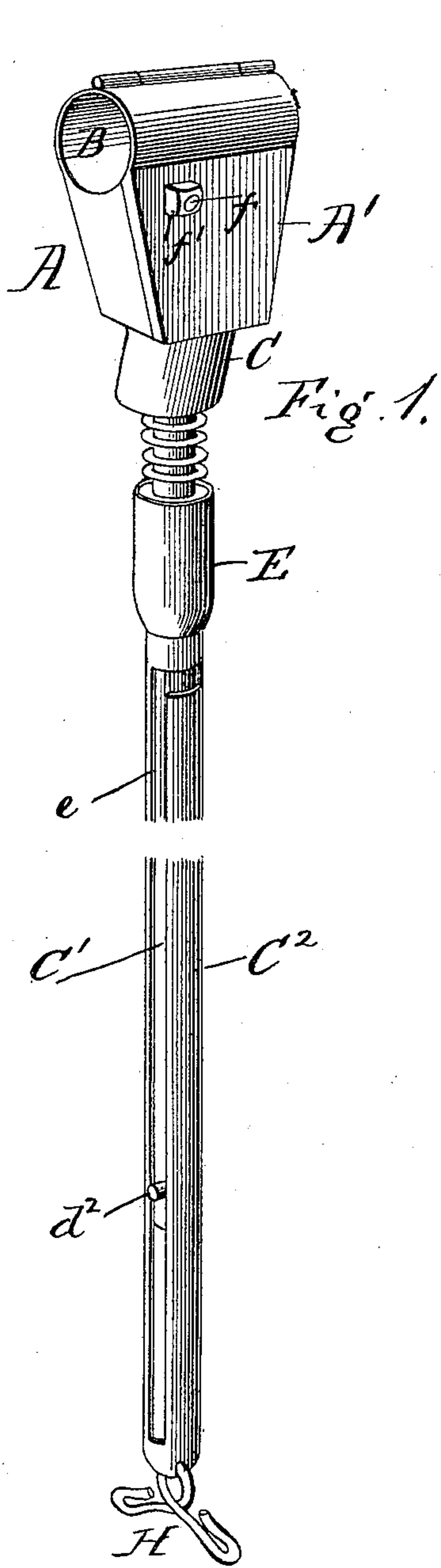
Patented Feb. 27, 1900.

H. R. ONEY.  
BICYCLE SUPPORTER.

(Application filed Apr. 5, 1899.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses:

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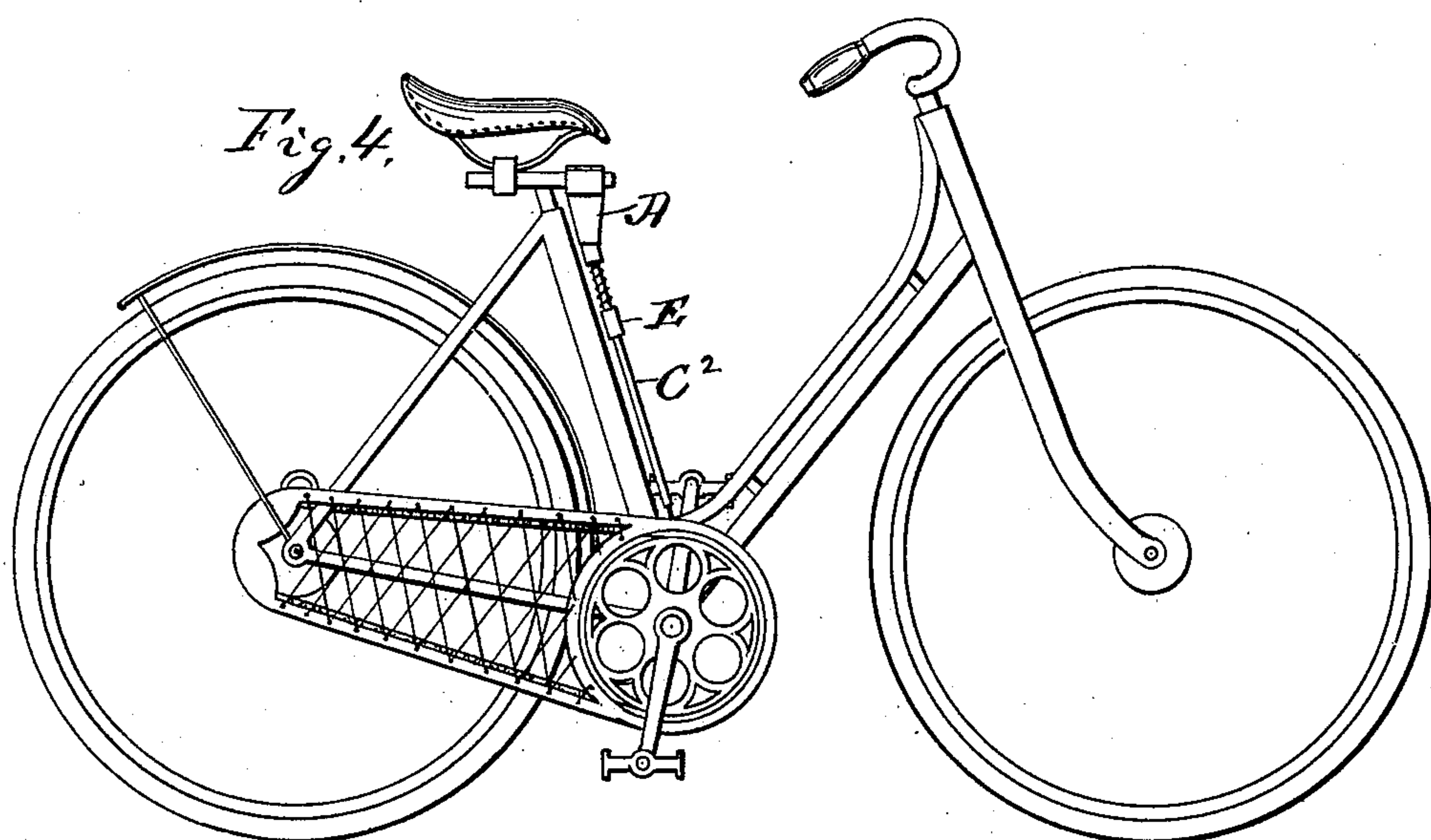
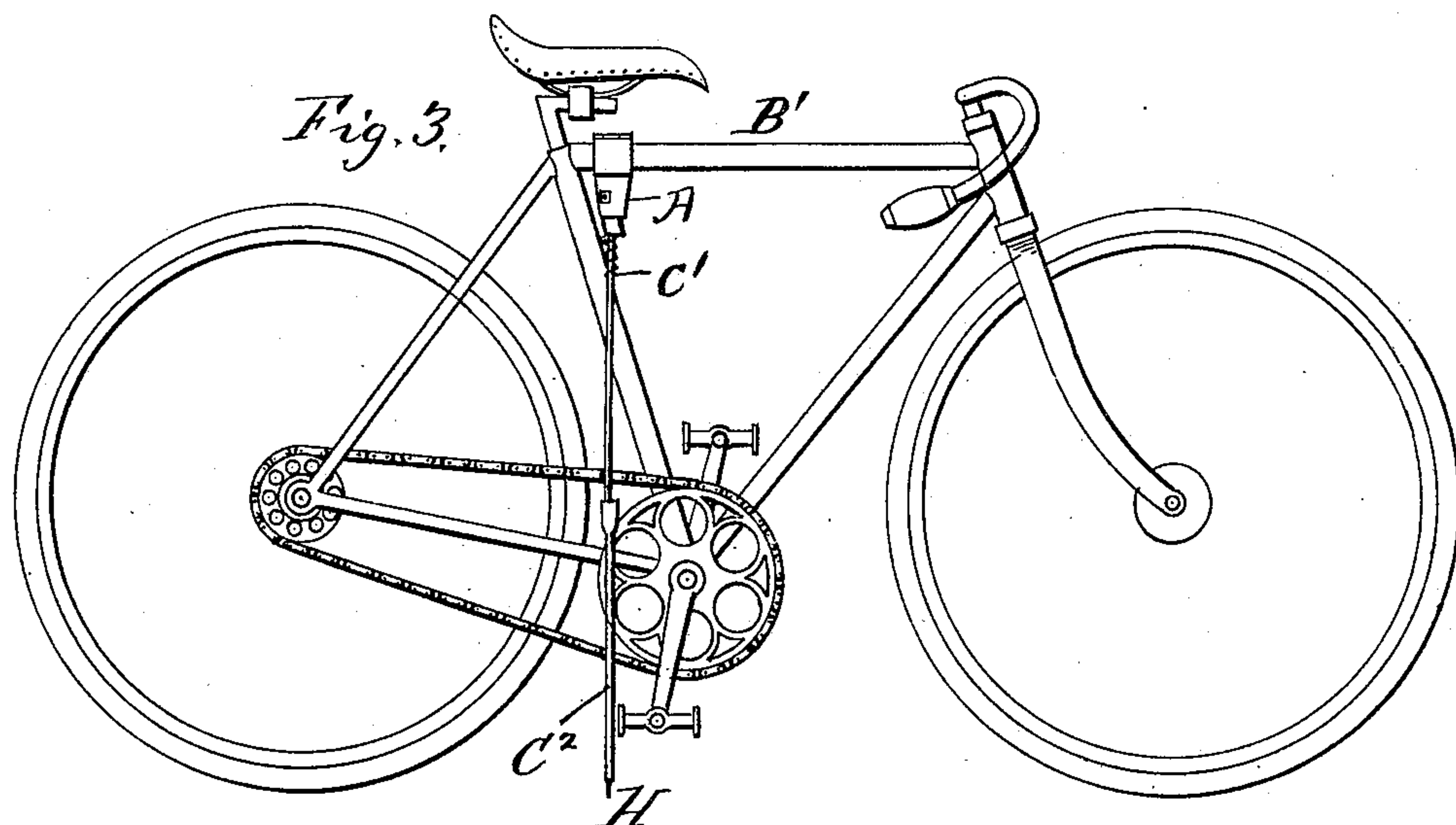
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2 Sheets—Sheet 2.



WITNESSES

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# UNITED STATES PATENT OFFICE.

HUGH RICHARD ONEY, OF JACKSON, OHIO.

## BICYCLE-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 644,090, dated February 27, 1900.

Application filed April 5, 1899. Serial No. 711,834. (No model.)

*To all whom it may concern:*

Be it known that I, HUGH RICHARD ONEY, a citizen of the United States, residing at Jackson, in the county of Jackson and State of Ohio, have invented certain new and useful Improvements in Bicycle-Supporters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in bicycle-supports, and has for its object to provide such a support as may be readily attached or detached from the machine and readily manipulated either to bring the same into action or to be telescoped and lock the same on the machine and entirely out of the way of the rider and also in such manner and position as not to mar the appearance of the machine.

The invention consists in certain novel features in the construction, combination, and arrangement of parts, all as hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of the device. Fig. 2 is a side elevation showing the head open and the support in the position it assumes when folded. Fig. 3 shows the same applied to a man's machine in its extended position to support the machine. Fig. 4 shows the same applied to a woman's machine when telescoped and locked in position on the machine.

The device consists of a head A, having a hinged cap or cover A', in each portion of which is formed one-half of the cylindrical socket B by which the device is connected to the machine, in a man's machine being connected to the cross-bar B' and in a woman's machine to the saddle-supporting standard, in each case directly under the saddle. The lower end of this head is provided with an elongated forwardly-inclined tubular portion C, through which the upper end C' of the inner rod or tubing passes, and upon that portion of the standard which extends within the head is mounted a spiral spring D, held under tension by means of a washer *d* and by the engagement of the lower end of the spring with the casing. The washer *d* is placed upon the standard to leave a portion *d*<sup>3</sup> projecting beyond said washer, as hereinafter de-

scribed. The inner upper portion of the head at one side or on a line with the inclined portion is provided with an enlargement *d*<sup>4</sup>, also hereinafter referred to.

The supporting-standards C' C<sup>2</sup> are made of about equal lengths to put one within the other and are preferably made of regular bicycle-tubing, the inner one C' being provided near its lower end with a projecting pin *d*<sup>2</sup>. The lower portion C<sup>2</sup> is provided at its upper end with an enlarged cylindrical portion E and is also provided with a slot *e*, extending from a point under the enlarged head to a point near the bottom, said slot being continued for a short distance at its upper end at right angles to the main portion and with which slot the projecting pin *d*<sup>2</sup> engages or forms a bayonet-joint connection. A spiral spring G is mounted on the portion C' at the upper end to fit within the enlarged tapering portion of the part C for a purpose also hereinafter explained.

The lower end of the part E has screwed into it a forked or bifurcated foot H of such configuration as to straddle the frame-tubing near the pedal-shaft in either form of machine when the parts are not in use and in such position as to parallel with the seat-supporting standard and in close proximity thereto.

The head A and cap or cover therefor are screwed together and to the frame by means of a bolt *f* and nut *f*'.

When the device is attached to the machine and not in use, the portion C' is pulled down to overcome the tension of the spring D and the support thrown forward in the elongated forwardly-inclined portion, bringing the projecting part *d*<sup>3</sup> into engagement with enlargement *d*<sup>4</sup> and by the increased tension on the spring causing it to be held in rigid position, leaving the socket of the head in line with the connecting-bar or in a horizontal line, while the support lies parallel with the seat-support, the foot H engaging the forward brace near the pedal-shaft, as before described, the spring G being compressed within the enlarged cylindrical portion E under the head A, holding the same in fixed position and preventing any rattling of the parts.

When the device is desired for use to support the machine, the outer tubing is pressed up to overcome the tension of the spring G,



permitting the device to be raised from engagement with the forward brace, and, by drawing or extending the two parts until the pin  $d^2$  reaches the right-angled portion of the slot, the outer tubing is turned, which acts to lock the parts in their extended position. At the same time the supporting-arms are swung backward to release the end  $d^3$  of the tubing from engagement with the enlargement  $d^4$ , bringing the socket and supporting-rods into a position at right angles to each other, when the supporting-rods may be thrown out to any angle best suited to support the machine.

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

1. In a bicycle-support the head by which the support is attached to the bicycle provided with an enlarged elongated inclined opening through which the upper portion of the supporting-tubing passes, a spiral spring upon the upper end of said tubing, a bayonet-joint connection for holding the parts of the tubing extended, and a spring engaging the head and outer tubing to hold the parts retracted when engaged with the bicycle-frame, substantially as described.

2. The combination in a bicycle-support, an inner and outer tubing connected telescopically, and provided with a bayonet-joint connection, the outer portion being provided with an enlarged head and the lower end with a bifurcated or forked extension and a spring mounted on the inner tubing to engage the head and the outer tubing, substantially as described.

3. In a bicycle-support the combination with the head provided with the elongated inclined opening for connecting the support to the head, the tubing forming the support telescopically connected together, a bayonet-joint connection for holding the same extended, a spring mounted on the inner tubing to engage the outer tubing, and the outer tubing provided with a bifurcated or forked end to engage the bicycle-frame when the parts are contracted, substantially as described.

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

HUGH RICHARD ONEY.

Witnesses:

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