

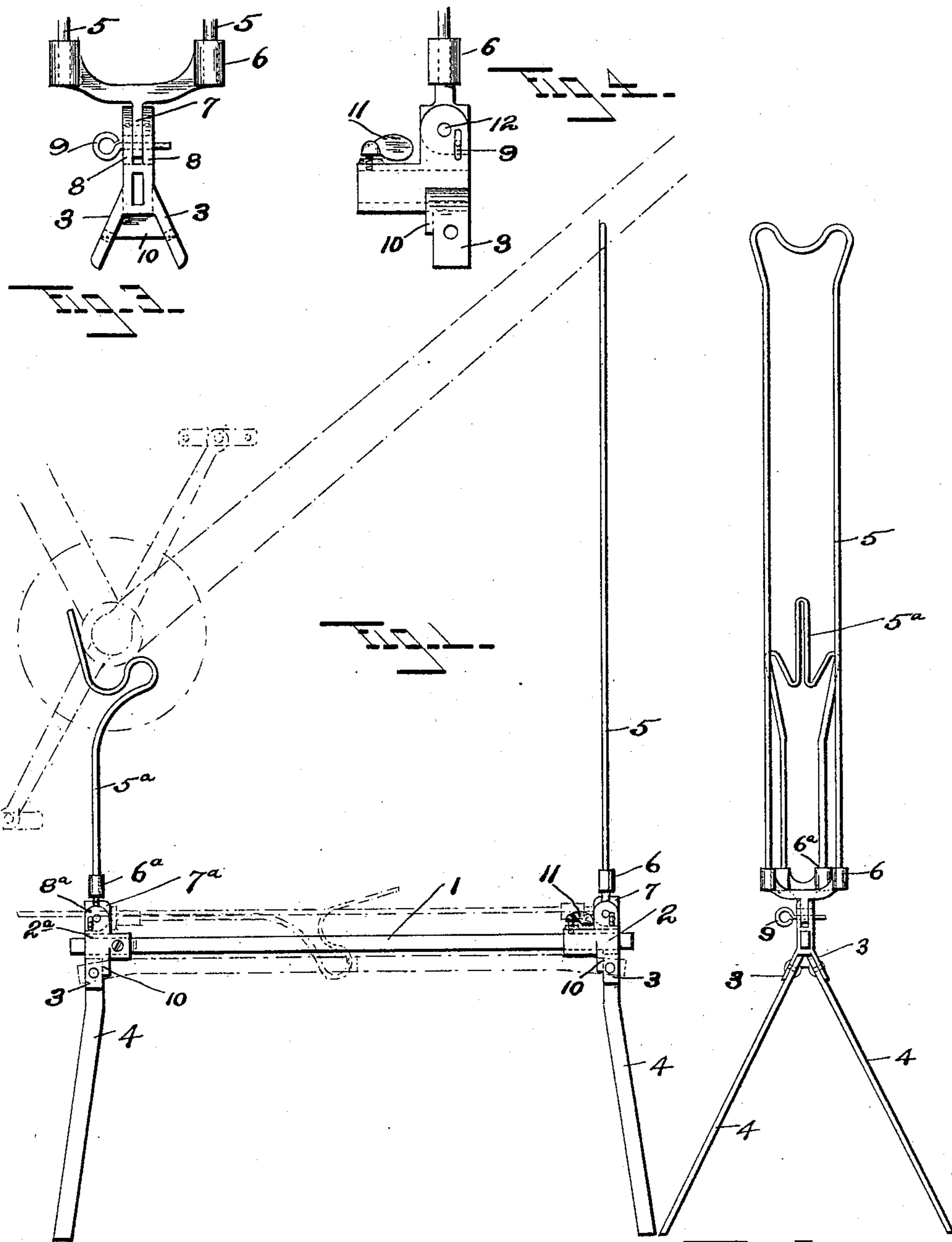
No. 611,672.

Patented Oct. 4, 1898.

T. BEECHER.
BICYCLE STAND.

(Application filed Oct. 7, 1897.)

(No Model.)



Witnesses.

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UNITED STATES PATENT OFFICE.

THOMAS BEECHER, OF NEW HAVEN, CONNECTICUT, ASSIGNOR OF ONE-HALF TO HERMAN FISHER, OF SAME PLACE.

BICYCLE-STAND.

SPECIFICATION forming part of Letters Patent No. 611,672, dated October 4, 1898.

Application filed October 7, 1897. Serial No. 654,406. (No model.)

To all whom it may concern:

Be it known that I, THOMAS BEECHER, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Bicycle-Stands; 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-stands of that character which are designed to hold the bicycle suspended above the floor and to be folded when not in use.

It is the object of my invention to provide a stand of simple and inexpensive construction that can be adjusted to fit bicycles of various sizes and that can be folded within the smallest possible space.

With these ends in view my invention consists in the bicycle-stand constructed and operating as hereinafter set forth.

Referring to the drawings, in which like numerals designate like parts in the several views, Figure 1 is a side elevation of the stand in its open position. Fig. 2 is a front elevation of the same. Fig. 3 is a front elevation of one of the adjustable end blocks drawn upon a large scale. Fig. 4 is a side elevation of the same.

The numeral 1 designates the horizontal cross-bar or body portion, and mounted upon either end of the same are the two end blocks 2 2^a. Pivottally secured to the integral ears 3 3 are the legs 4 4, which are bent slightly in the side elevation to increase their spread. The yokes 6 6^a are each formed from a single piece of metal and form a tie for the ends of the wire uprights 5 5^a. The lips 7 7^a, which form part of the said yokes, are pivottally mounted between the ears 8 8^a upon the pin-tle 12. The uprights 5 5^a are made of wire and bent into the ordinary form for stands of this character—that is, the upright 5 being adapted to support the lower bar of the bicycle-frame and to allow the rear portion of the front wheel to project through between its sides and the upright 5^a being adapted to fit that portion of the frame adjacent to the axle.

In Fig. 1 an outline of that portion of the

frame of a bicycle which is in immediate contact with the stand is shown by the broken lines. The locking-pin 9 is designed to lock the uprights 5 5^a in a vertical position when the stand is in use, and it does so by passing through a suitable hole in the ears 8 8^a and the lips 7 7^a, which register when the uprights are in a vertical position. The uprights and legs when in their closed position lie immediately adjacent to and substantially parallel with the cross-bar 1, in which position they are represented by broken lines in Fig. 1, while their open position is shown by the full lines in the same figure. To open the stand and prepare it for the reception of a bicycle, the uprights 5 5^a are brought to a vertical position and then locked by means of the pins 9, above described. The legs 4 4 are then thrown outward until the upper portion of the same strikes the web 10, which limits its outward movement. Adjustment of the uprights to fit any size bicycle is secured by shifting the end blocks along the cross-bar, and thus varying the distance between the said uprights. The thumb-screw 11 is designed to provide a ready means for fastening the end blocks to the cross-bar in any desired position. In Fig. 1 only the end block 2 is provided with a thumb-screw, and end block 2^a is shown as fastened rigidly to the cross-bar. This construction, however, is unessential, as one or both of the blocks may be provided with thumb-screws, as desired.

The stand herein set forth is of simple and inexpensive construction, sure and positive in its operation, can be adjusted to hold any size bicycle, occupies a minimum amount of space, is light in weight, and of few parts, which are not liable to get out of order.

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

1. A bicycle-stand composed of a horizontal body member, two vertical folding bicycle-supporting members having a longitudinal adjustment on said body member, and two or more folding legs, the said bicycle-supporting members and the said folding legs being adapted to fold toward each other and lie when folded adjacent to and substantially

parallel with the said body member, the said bicycle-supporting members being above and the said folding legs below the said body member when folded, substantially as described.

5 2. In a bicycle-stand, the combination of the cross-bar or body portion, of two end blocks adapted to slide upon said cross-bar, of supporting-legs pivotally secured to the lower portion of said end blocks and uprights
10 pivotally secured to the upper portion of said blocks, substantially as set forth.

3. In combination with the horizontal body member 1, of the end blocks 2 2^a adapted to slide freely upon the said body member and
15 locked in any intermediate position by a set-screw in the said end blocks bearing against the said body member, of folding legs 4 pivotally secured to the lower portion of the said end blocks, yokes 6 6^a pivotally mounted in

the upwardly-projecting ears upon the said 20 end blocks and the normally-vertical uprights 5 5^a fixed to the said yokes, all constructed and operating substantially as described.

4. An end block for a bicycle-stand composed of a single piece of metal and provided 25 with a centrally-disposed longitudinal hole by which it is mounted upon the body portion, upwardly-projecting ears to which are pivotally secured the upright yoke, converging and downwardly-projecting ears to 30 which are pivotally secured the supporting-legs, substantially as set forth.

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

THOMAS BEECHER.

Witnesses:

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