

(No Model.)

G. B. LA BARRE & C. V. HILL.
STAND FOR BICYCLES.

No. 586,741.

Patented July 20, 1897.

Fig. 1.

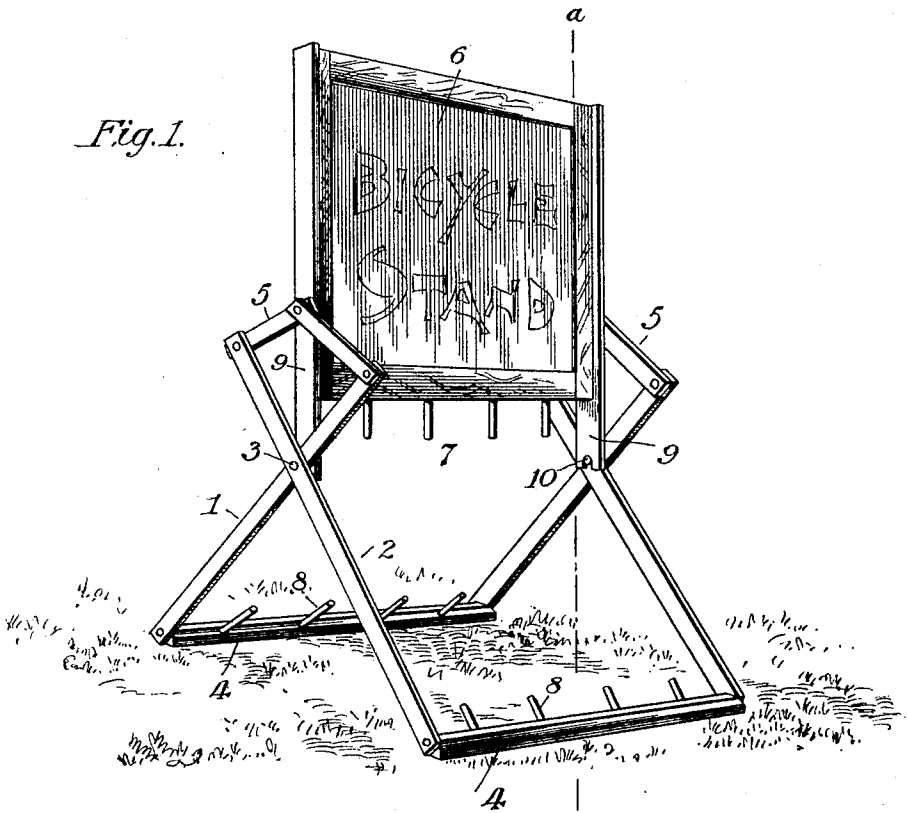


Fig. 2.

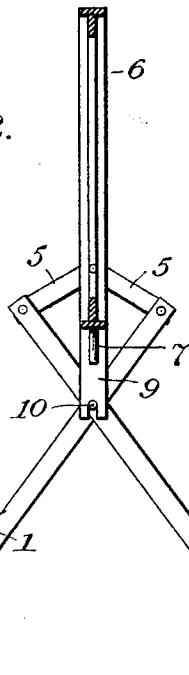


Fig. 3.

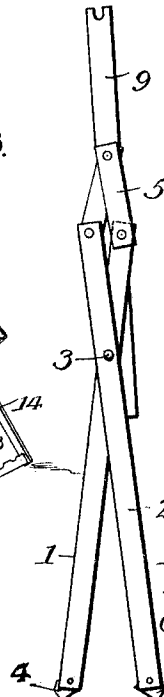
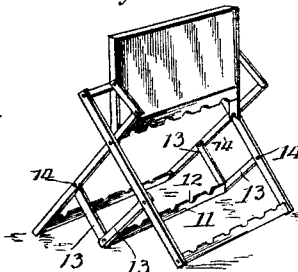


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE B. LA BARRE AND CLEMENT V. HILL, OF TRENTON, NEW JERSEY.

STAND FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 586,741, dated July 20, 1897.

Application filed July 9, 1896. Serial No. 598,583. (No model.)

To all whom it may concern:

Be it known that we, GEORGE B. LA BARRE and CLEMENT V. HILL, of Trenton, in the State of New Jersey, have invented a new and useful Improvement in Supports or Stands for Bicycles, of which the following is a specification.

The object of our invention is to provide a portable rack or stand for bicycles which, when in use, will give firm and rigid support to the machines and will be available as an advertising medium and which may be readily and conveniently folded to a compact form for transportation or storage.

With these ends in view our invention consists of the combination, with legs or standards pivoted together, of a frame pivotally sustained by said legs and devices for giving lateral support to the machines.

The invention also consists in so constructing and connecting the frame to the legs that when the latter are extended for use the frame will be sustained in an upright position and will serve as a means of preventing the spread of the legs.

The invention also consists in the details of construction and combination of parts hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of a rack or stand constructed in accordance with our invention and extended for use. Fig. 2 is a vertical section on the line *aa* of Fig. 1. Fig. 3 is an end elevation of the rack in a folded position. Fig. 4 is a perspective view, on a reduced scale, of a modification.

Referring to the drawings, 1 and 2 represent two legs or standards in the form of two U-shaped frames which are pivoted together between their ends, as at 3, so that they can be extended or spread apart, as shown in Fig. 1, or folded side by side, as shown in Fig. 3. The bases 4 of these frames are adapted to rest on the ground when the legs are extended, and at their upper ends the frames are connected by two pairs of connecting-links 5, the links of each pair being pivoted together at one of their ends, and at their opposite ends to the upper ends of the U-shaped frames.

6 represents a frame or board which is pivoted near its lower end at opposite sides be-

tween the two pairs of connecting-links on an axis coincident with the pivots of said links. This frame is provided on its lower edge with a series of depending lugs or fingers 7, which serve to give lateral support to the bicycles when the wheels of the latter are placed between these pins. The bases of the U-shaped frames are similarly provided with upwardly-projecting lugs or pins 8, which, in conjunction with those on the lower edge of the frame or board 6, act to hold the machines firmly in an upright position.

The frame 6 is extended downward at its opposite sides, as at 9, and the lower ends of these extensions are provided each with a notch adapted when the stand is open for use to straddle two inwardly-projecting pins 10, extending from the inner sides of the U-shaped frames adjacent to their points of pivotal connection. These pins serve as stops when engaged by the projections on the frame 6 to prevent the descent of said frame beyond a certain point and the consequent spread or extension of the legs. The pins also, in connection with the notches in which they extend, hold the intermediate frame in an upright position. The intermediate frame may be used as a sign-board or it may be ornamented or provided with a black-board, according as the fancy may dictate.

In folding the stand after it is extended for use, as shown in Fig. 1, the intermediate frame is lifted slightly to free the stop-pins, after which the frame is turned on its pivot to an inverted position. The legs are then pushed together until they extend side by side and alongside of the intermediate frame, as shown in Fig. 3. To unfold the stand for use, the legs are spread apart and the intermediate frame turned on its pivot until the projecting ends on its lower edge are opposite the stop-pins, when the frame may be depressed, this action spreading the legs farther apart and seating the notches around the pins.

In order to increase the rigidity of the stand when set up for use, and in order to afford a more secure support for the wheels, we propose to apply between the bases of the U-shaped frame a horizontal bar 11, as shown in Fig. 4. This bar is provided at intervals with pins 12

and is pivoted at its ends to the lower ends of links 13, the upper ends of which are pivoted at 14 to the U-shaped frames.

Having thus described our invention, what we claim is—

1. The combination with the two pairs of crossed and pivoted legs, of the two base-pieces connecting the lower ends of said legs, connecting devices joining the upper ends of said legs, and a frame or board connected to and sustained by said connecting devices, said frame or board and the said base-pieces constructed to conjointly give lateral support to the machines.

2. The combination with the two pairs of crossed and pivoted legs, of the two base-pieces connecting the lower ends of said legs, lugs or pins projecting upward from said base-pieces, links connecting the upper ends of the legs, a frame or board pivoted to and sustained by said links, and lugs or pins depending from the lower edge of said board.

3. The combination with the legs or standards crossed and pivotally connected together, of the two pairs of links connecting their upper ends, the frame or board pivoted between

said links on a horizontal axis and formed with depending extensions having open notches and pins projecting from the legs in position to be straddled by the open notches when the legs are spread whereby in folding the stand the open notches will permit the board to be disengaged from the pins and reversed end for end.

4. The combination with the two pairs of crossed and pivoted legs, of the two pairs of links 13 pivoted to said legs below their point of connection, a horizontal bar 11 pivoted to said links, supporting lugs or pins on said bar, connecting devices joining the upper ends of the legs, a frame or board joined to and sustained by said connecting devices and supporting lugs or pins on said frame or board.

In testimony whereof we hereunto set our hands in the presence of two attesting witnesses.

GEORGE B. LA BARRE.
CLEMENT V. HILL.

Witnesses:

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WILLIAM H. REA.