No. 640,446. Patented Jan. 2, 1900.

F. J. CONVERSE.

UMBRELLA ATTACHMENT FOR BICYCLES.

(Application filed Jan. 27, 1897.)

(No Model.)

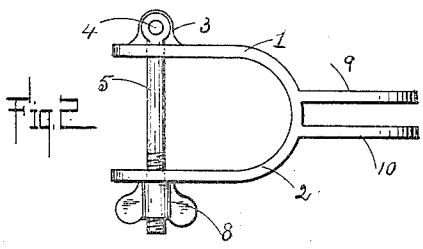


Fig. 2

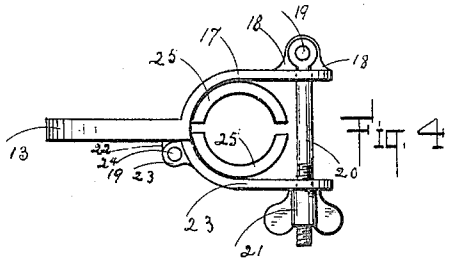


Fig. 4

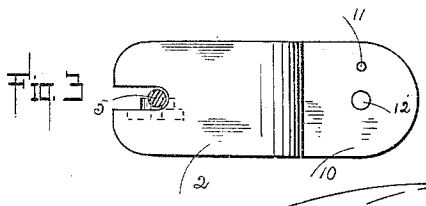


Fig. 3

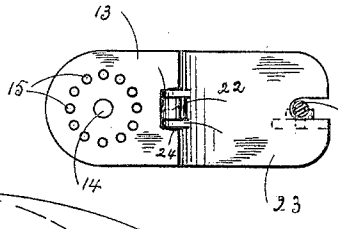


Fig. 5

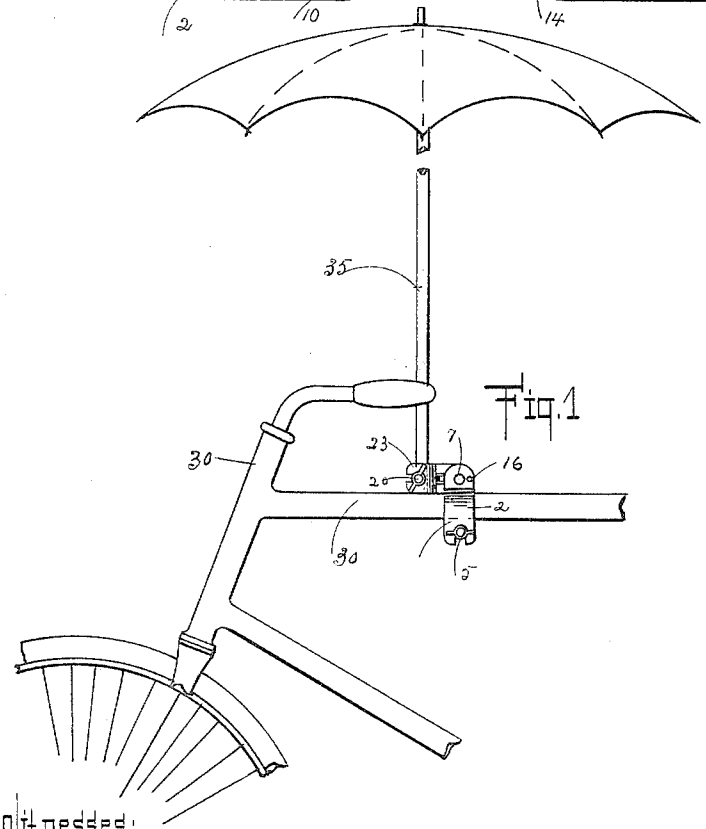


Fig. 1

Witnesses:
Richard B. Harrison.
H. J. Lewis

Inventor
F. J. Converse
By O. D. Lewis
Atty

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FRANK J. CONVERSE, OF PITTSBURG, PENNSYLVANIA.

UMBRELLA ATTACHMENT FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 640,446, dated January 2, 1900.

Application filed January 27, 1897. Serial No. 620,902. (No model.)

To all whom it may concern:

Be it known that I, FRANK J. CONVERSE, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Umbrella Attachments for Bicycles; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in an umbrella attachment for bicycles.

The invention has for its object the provision of a means whereby an umbrella may be easily attached to a bicycle for the purpose of protecting the rider from inclement weather.

Another object of my invention is the provision of a means of inclining the umbrella at any angle desired by the rider.

With the above objects in view the invention consists in the novel construction, combination, and arrangements of parts to be hereinafter more specifically described.

In describing the invention in detail reference is had to the accompanying drawings, wherein like figures of reference indicate similar parts in the several views shown, in which—

Figure 1 is a side view of a portion of a bicycle, showing my improved attachment fitted thereto and provided with an umbrella. Fig. 2 is a plan view of one section of the attachment removed from the bicycle and which is shown upon a larger scale. Fig. 3 is a side view of the same. Fig. 4 is a plan view of the umbrella-holding section. Fig. 5 is a side view of the same.

The invention consists of two sections of clamp hinged together, one section being adapted to hold the umbrella and the other section being adapted to connect to a suitable portion of the bicycle-frame. The section which connects to the bicycle-frame consists of a clamp having the wings 1 and 2, which straddle the bicycle-frame. The lug 3 is formed upon the wing 1 and has pivoted thereto by the pin or rivet 4 the screw-bolt 5. The said bolt 5 enters the openings which are formed within the ends of the said wings and is provided at its free end with the thumb-nut 8. Formed upon the opposite end of the said clamp are the lugs 9 and 10, which are provided with the holes 11 and 12. The section for holding the umbrella has formed thereon the lug 13, which is adapted to fit between the said lugs 9 and 10 of the frame-clamp, and is loosely pivoted therein by a pin or rivet 7, which is fitted through the holes 12 and 14. A series of holes 15 are formed within the said lug, any one of which is adapted to register with the hole 11, through which a pin 16 is passed, so as to lock the two parts together at any angle desired. Formed upon the wing 17 of the umbrella-clamp is the lug 18, and has pivoted thereto by the pin 10 the screw-bolt 20, which is provided at its free end with the thumb-screw 21. A small lug 22 is formed upon the said clamp and the wing 23 pivoted or hinged thereto by the pin 24. Openings are formed within the free ends of the wings for the reception of the screw-bolt, as shown. Suitably arranged between the wings are the bushings 25, into which the umbrella handle is inserted.

To put the device into practical use, it is clamped to the bicycle-frame 30, as shown at Fig. 1, and secured fast by the thumb-nut. The umbrella-handle 35 is then inserted between the bushings and clamped tightly in place by turning the thumb-nut, and by removing the pin 16 the umbrella may be inclined at any desired angle. After the desired angle is determined the pin is inserted in place, which locks the parts together.

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

In an umbrella-holder for bicycles, consisting of a disk provided with a series of concentrically-disposed openings, a clamping-arm formed integral with said disk, a second clamping-arm jointed to said disk and a bolt passing through the rear ends of said clamping-arms, in combination with a pair of lugs between which the disk is pivotally sup-

ported, one of said lugs having a perforation which is in circular alinement with the openings in said disk, a pin passing through said perforation and adapted to engage any one of said openings, and means for clamping said lugs to the bicycle-frame, substantially as described.

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

FRANK J. CONVERSE.

Witnesses:
M. A. HOBAN,
P. B. REILLY.