

No. 620,342.

Patented Feb. 28, 1899.

E. F. MELLON.
BICYCLE SUNSHADE.
(Application filed July 26, 1898.)

(No Model.)

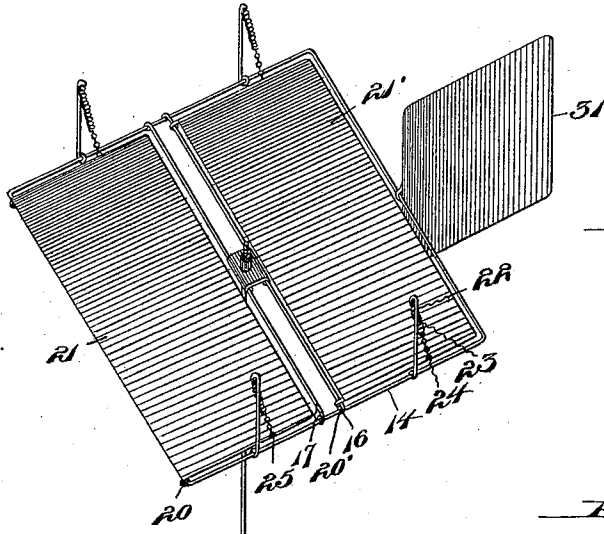


Fig. 1.

Fig. 2.

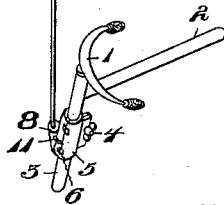


Fig. 4.

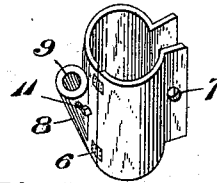


Fig. 3.

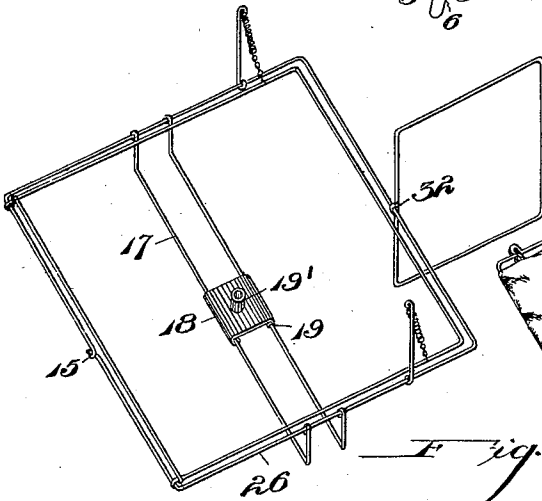
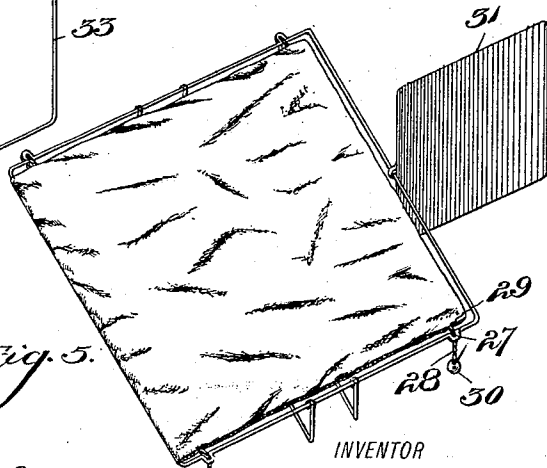
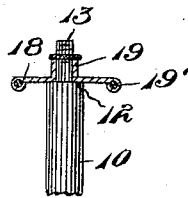


Fig. 5.



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UNITED STATES PATENT OFFICE.

EDWARD F. MELLON, OF McDONALD, PENNSYLVANIA.

BICYCLE-SUNSHADE.

SPECIFICATION forming part of Letters Patent No. 620,342, dated February 28, 1899.

Application filed July 26, 1898. Serial No. 686,915. (No model.)

To all whom it may concern:

Be it known that I, EDWARD F. MELLON, a citizen of the United States of America, residing at McDonald, in the county of Washington and State of Pennsylvania, have invented certain new and useful Improvements in Bicycle-Sunshades, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain new and useful improvements in sunshades for bicycles.

The object of my invention is to provide a device of this character which will protect a person from the heat and glare of the sun and at the same time be simple in its construction and durable and efficient in its use.

My invention further consists in the novel combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and particularly pointed out in the claims.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of my improved sunshade as attached to the front post of the frame of a bicycle. Fig. 2 is a perspective view of a frame to be used for a modified form of my device. Fig. 3 is a perspective view of a modified form of my device. Fig. 4 is a perspective view of the clamp for securing the supporting-rod of the frame to the front post of a bicycle-frame. Fig. 5 is a side view, partly in section, of the upper end of the rod for securing the frame thereto.

Referring to the drawings, in which like numerals of reference indicate corresponding parts throughout the several views, 1 indicates the handles, 2 the top bar of the frame, and 3 the head-post, of a bicycle.

Secured to the head-post 3 by means of the thumb-screw 4 is a clamp 5. This clamp is formed of two sections, and the sections are hinged together, as at 6. The thumb-screw 4 operates through suitable apertures formed in the clamp, as at 7.

Formed integral with the periphery of the clamp is a cylindrical extension 8, which is hollowed, as at 9, and is adapted to receive one end of the supporting-rod 10. This supporting-rod 10 is secured in the extension 8 by means of the securing-screw 11. The up-

per end of the supporting-rod 10 is cut away, as at 12, forming a shoulder, and the end thereof, as at 13, is of smaller diameter than the lower portion of the rod.

14 indicates a frame which is constructed of suitable wire bent in the shape of a square, and the ends thereof are secured together, as at 15. Secured on this frame, as at 16, are a pair of brace-rods 17, suitably spaced apart, and are connected together by means of an oblong strip of light metal 18, which is secured to the the brace-rods, as at 19. Formed integral on the upper face of the strip of metal 18 is a hollowed cylindrical extension 19, which coincides with an aperture formed in the strip of metal. The upper end of the supporting-rod is adapted to be inserted through the aperture and cylindrical extension and supports the frame thereon by means of the shoulder heretofore referred to. The frame and wing-shades are thus journaled upon the supporting-rod and are free to turn thereon as may be required.

Pivotally secured to the frame 14 and one of the brace-rods 17, as at 20 20', are the wing-shades 21 21', formed of an oblong wire frame having secured thereon fabric of suitable material. In order to prevent the frame from being inverted or blown off from the supporting-rod or otherwise injure the same, I have, as heretofore stated, pivotally secured the wing-shades to the frame and one of the brace-rods to allow the same to be raised and the gust of wind pass therethrough, and to limit the movement of the wing-shades I have provided a series of uprights 22 of suitable length, which are connected to the frame at the lower end thereof, and these uprights are connected at their free or upper end to a spring 23, which is secured to a chain 24, and the chain 24 is secured to the wing-shade, as at 25. It will be observed that when the gust of wind will raise the wing-shade the spring and chain will limit its movement, and when the wind has ceased somewhat the wing-shade will immediately resume its proper position.

In practice I have found it sometimes desirable to construct my sunshade of one wing 26, as shown in Fig. 2, and in this construction the only difference between that and Fig. 1 is that the brace-rods are secured to the lower side of the frame, while in Fig. 1 they

are on the upper side thereof. In this construction I limit the movement of the wing-shade in the same manner as shown in Fig. 1.

In Fig. 3 I have shown a modified form for limiting the movement of the wing-shade. This modified form may also be applied when a pair of wing-shades are used, as in Fig. 1, and it consists in forming integral with the frame a series of eyelets 27, suitably spaced apart and have operating therethrough a chain 28, which is connected to the wing-shade, as at 29, at one end and at the opposite end to a ball 30 or other suitable device to arrest the upward movement of the shade.

31 indicates a rudder which is secured to the frame, as at 32, and is formed of a square wire frame 33, having suitable fabric secured thereon. As the frame is loosely mounted upon the supporting-rod, the rudder will move the same according to the direction of the wind and at times will completely revolve the frame.

It will be noted that various changes may be made in the details of construction without departing from the spirit of my invention.

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

1. In a sunshade for bicycles and the like, the combination of a supporting-rod, a frame journaled on the upper end of said supporting-rod, one or more wing-shades pivotally mounted in said frame, and a rudder secured to said frame and extending at right angles to the wing-shades, substantially as described.

2. In a sunshade for bicycles and the like, a supporting-rod, a frame journaled on said supporting-rod, one or more wing-shades pivotally mounted in said frame, means for limiting the upward movement of said shade or

shades, and a rudder secured to said frame, substantially as shown and described.

3. In a sunshade for bicycles, a supporting-rod, a frame, one or more wing-shades pivotally mounted in said frame, a pair of brace-rods secured to said frame and journaled upon the supporting-rod to support the frame, means for securing said supporting-rod to a bicycle-frame, a rudder secured to said frame, and means for limiting the upward movement of said shade or shades, substantially as shown and described.

4. In a sunshade for bicycles, a frame, one or more wing-shades pivotally secured to said frame, a pair of brace-rods connected to said frame, a supporting-rod, a strip secured to said brace-rods and journaled upon the supporting-rod, a rudder connected to the frame at right angles thereto, and means for securing said supporting-rod to a bicycle, substantially as herein shown and described.

5. In a sunshade for bicycles and the like, a frame, one or more wing-shades pivotally mounted in said frame, a rudder secured to said frame, and means for limiting the upward movement of said shade or shades, substantially as shown and described.

6. In a sunshade for bicycles and the like, a frame, one or more wing-shades pivotally mounted in said frame, and a rudder connected to the frame and extending at right angles thereto, substantially as shown and described.

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

EDWARD F. MELLON.

Witnesses:

JOHN NOLAND,
WILLIAM E. MINOR.