

(No Model.)

J. MURGATROYD.  
SUNSHADE FOR BICYCLES.

No. 553,735.

Patented Jan. 28, 1896.

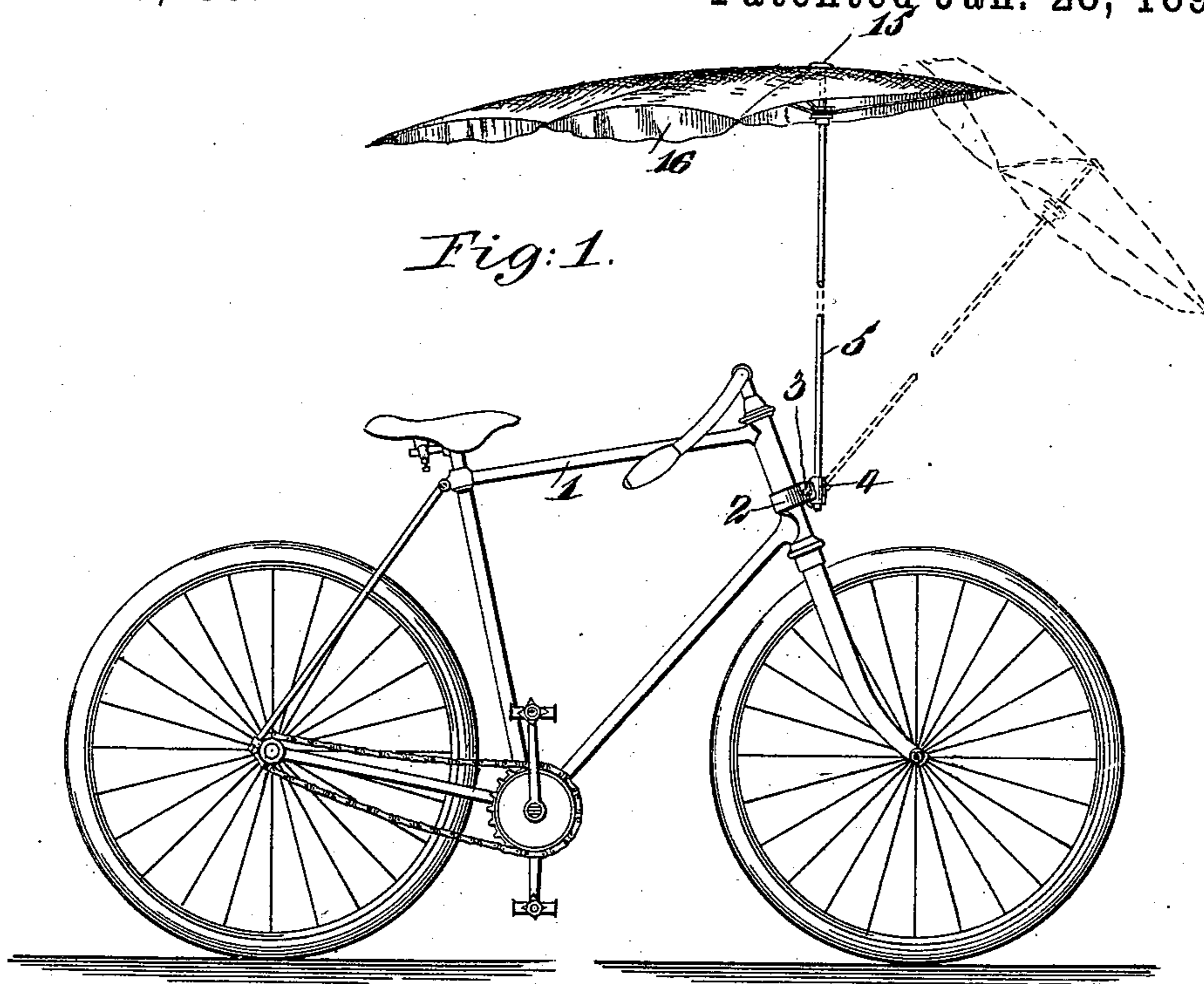


Fig. 1.

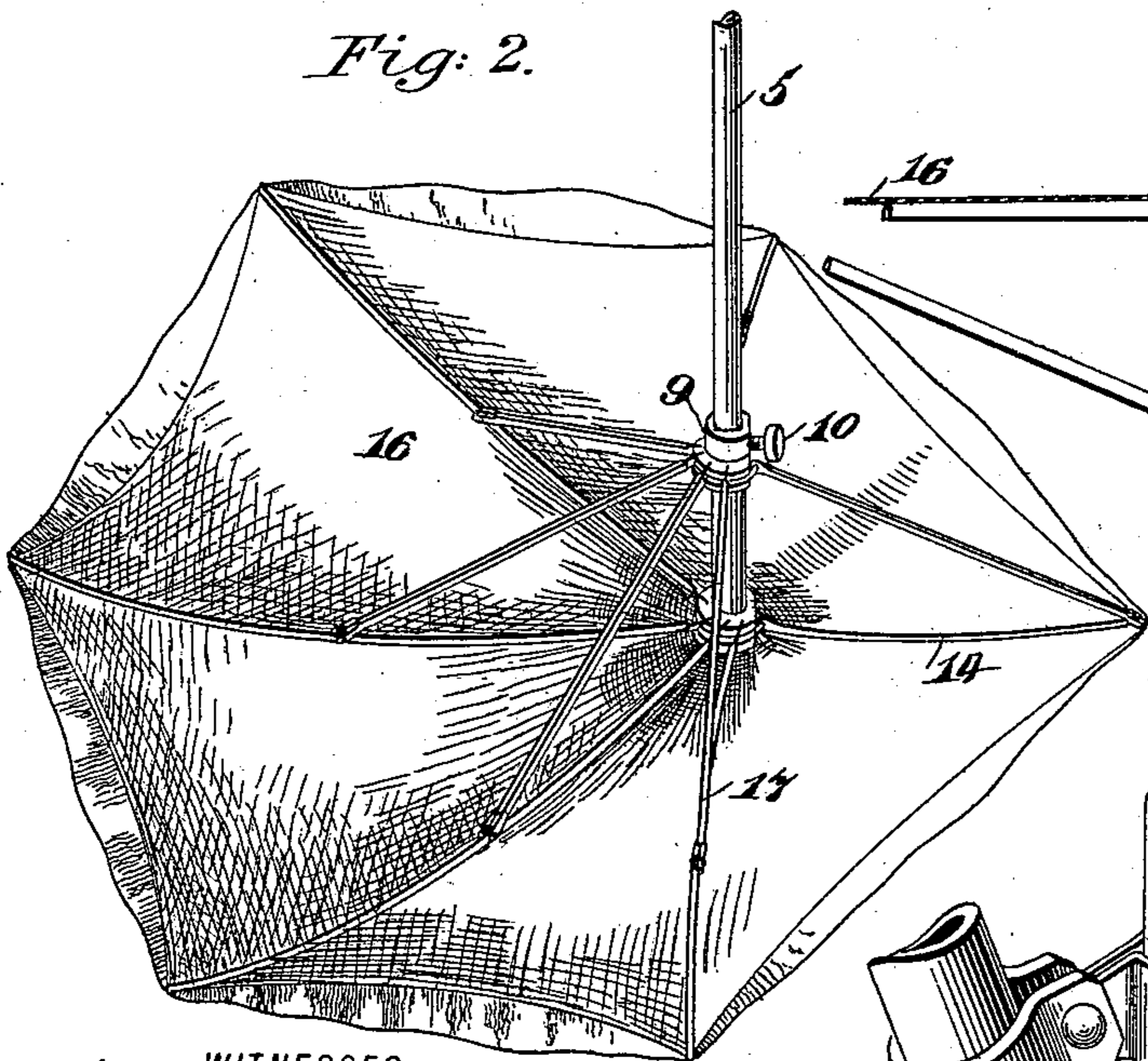


Fig. 2.

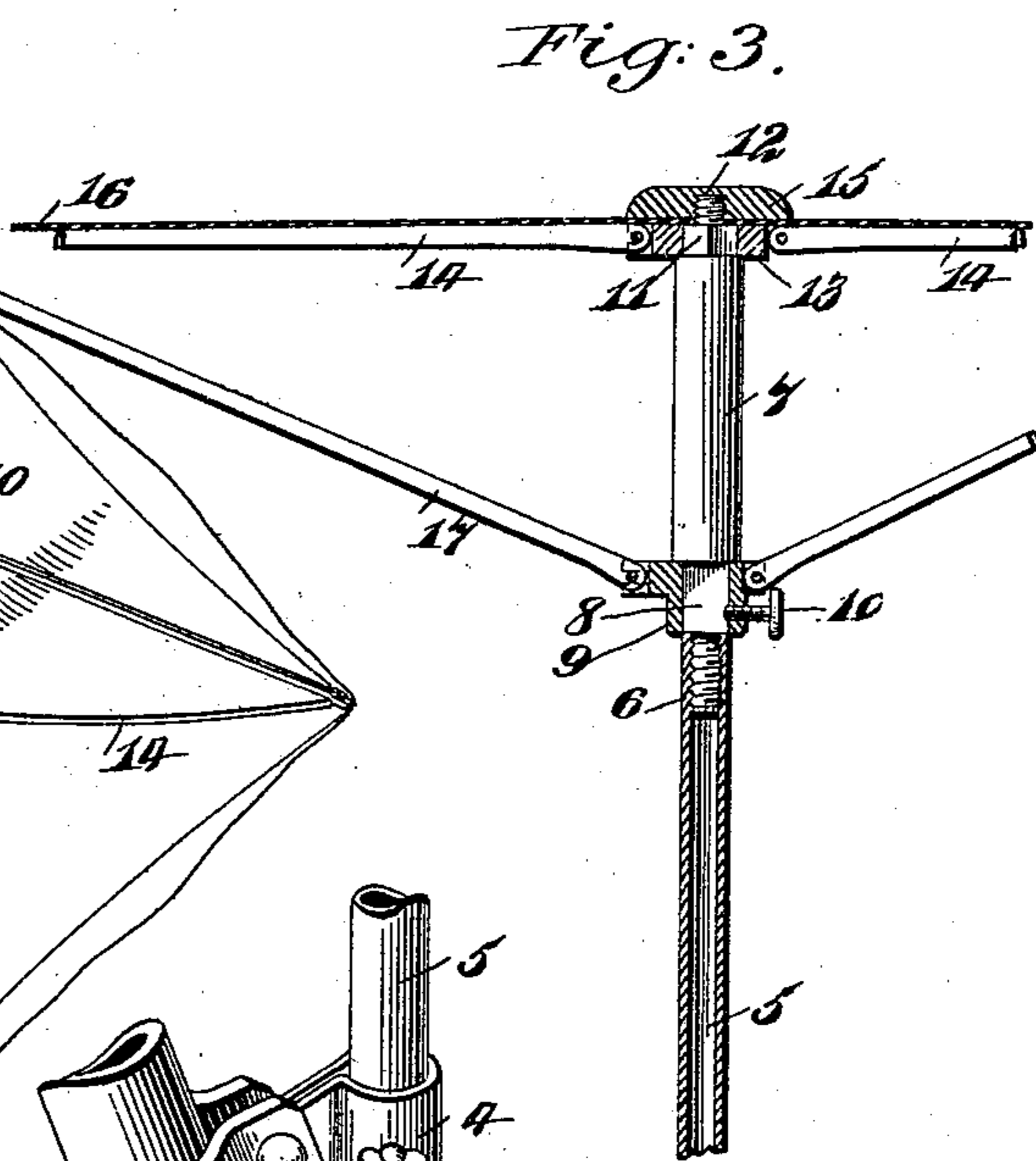


Fig. 3.

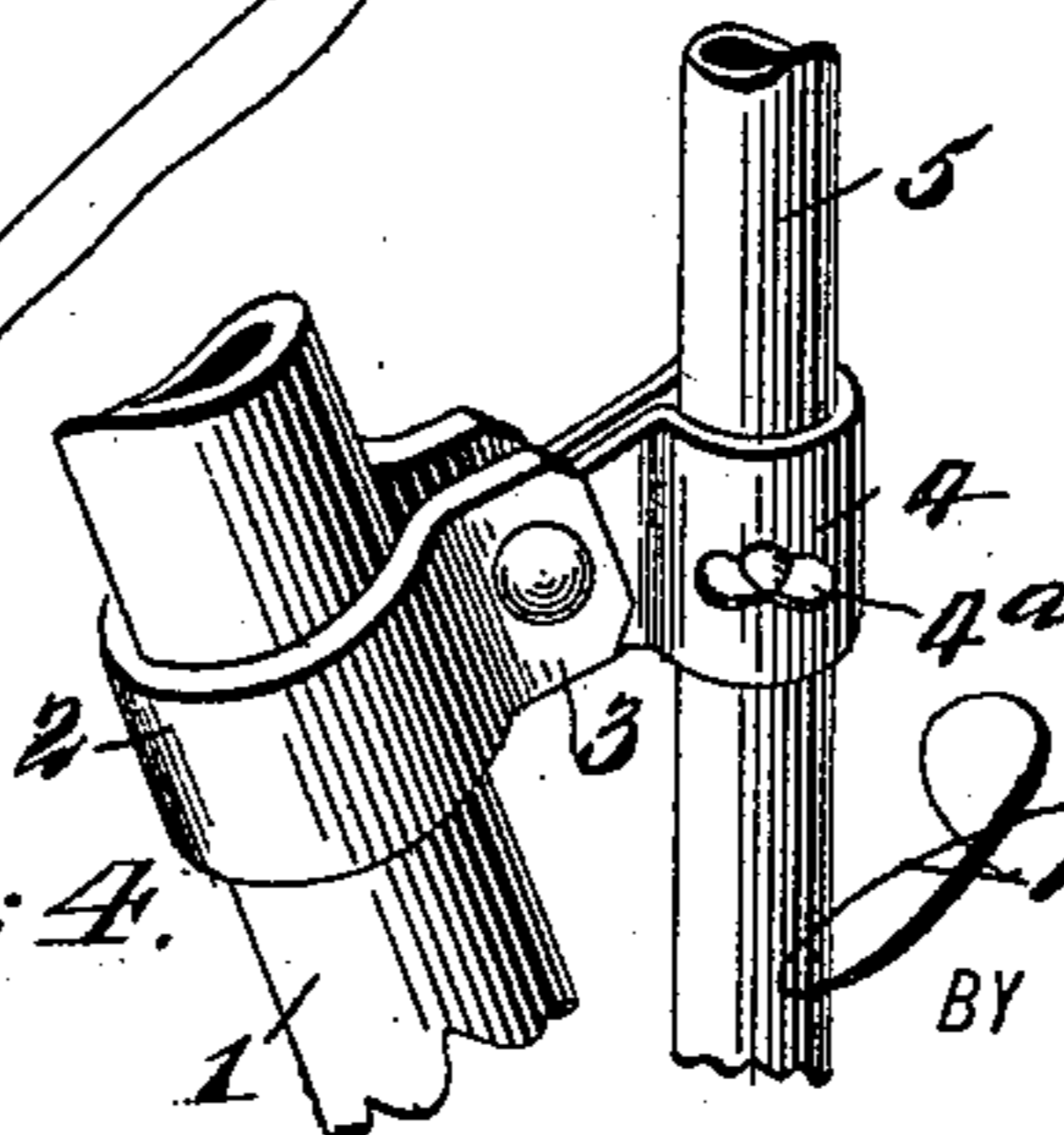


Fig. 4.

WITNESSES:

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## SUNSHADE FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 553,735, dated January 28, 1896.

Application filed August 30, 1895. Serial No. 560,967. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN MURGATROYD, of New York city, in the county and State of New York, have invented a new and Improved  
5 Sunshade for Bicycles, of which the following is a full, clear, and exact description.

The object of this invention is to provide an improved sunshade for attachment to bicycles and other velocipedes, and one which  
10 will be capable of varied adjustment to shade the person using the vehicle, notwithstanding the different inclinations of the sun.

Other objects are contemplated, all tending to improve the construction and general  
15 arrangement of the invention, and the full attainment of all will be apparent from the following specification.

To these ends the invention consists in a staff provided with means for connecting it  
20 to the frame of a bicycle, and having mounted at its upper end ribs and braces of peculiar construction, whereby the shade is better adapted than those heretofore employed to the work which it is to perform.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 represents a side elevation of a bicycle equipped with my improvements. Fig.  
30 2 is a perspective view of the under side of the shade. Fig. 3 is a detail section showing the ribs and braces, and Fig. 4 is a detail perspective view illustrating the means for  
35 securing the staff to the bicycle.

The frame 1 of the bicycle has a clip 2 secured to its front portion by means of a bolt 3 or similar device, which holds the clip rigidly. The clip 2 has the clip 4 secured there-  
40 to as shown, and the latter clip receives the staff 5, which is adjustably held therein by means of a set-screw 4<sup>a</sup>. The upper end of the staff 5 is internally threaded and receives a correspondingly - threaded projection 6 of  
45 the rod 7, the said rod having directly contiguous to the projection 6 a squared portion 8, on which the runner 9 is adapted to fit, the said runner being provided with a set-screw 10 by which it is held in place. The  
50 runner is formed with a square inner portion so as to be received on the square portion 8, and is adapted to be moved along the staff 5

in the operation of folding or extending the shade. The upper end of the rod 7 is formed with a squared portion 11, which is extended  
55 into a screw-threaded part 12. Seated on the square portion 11 is a collar 13, to which the ribs 14 are pivotally connected, while the projection 12 carries a cap 15, having an internally-threaded recess receiving the pro-  
60 jection. The cap 15 lies snugly upon the collar 13, and is arranged to clamp the cloth 16 of the shade between the collar and the cap, as best shown in Fig. 3. Pivotal-ly connected to the runner 9 are the braces or  
65 spreaders 17, one for each of the ribs 14, and respectively pivoted thereto, so that they may control the ribs in a manner similar to those of an umbrella.

From the foregoing description it will be  
70 seen that the invention is applicable to any form of velocipede, and indeed to any purpose where it is desired to shade a person from the sun, and by means of the clips 2 and 4 the staff 5 may be adjusted at any in-  
75 clination desired. It will also be apparent that the peculiar construction of the rod 7 serves to securely and effectively hold the cloth 16 in place and to prevent the same from becoming torn by the operation of the  
80 bows and braces. By shortening the forward ribs and correspondingly increasing the length of the rear ribs the shade is formed with a rearward enlargement or extension so that it offers little resistance to the wind  
85 and effectively protects the person using the shade.

The staff may be unscrewed from the rod 7 and the devices taken apart with perfect ease, which operation may be desirable in  
90 folding the shade for transportation.

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

1. A sunshade, the same comprising a staff  
95 having one end internally threaded, a rod having a threaded projection received in the threaded end of the staff and having directly contiguous to said threaded projection a square portion, a runner held on said squared  
100 portion of the rod, braces pivotally connected to the runner, the opposite end of the rod being also formed with a squared portion and a threaded projection beyond the same, a

collar fitted on the second squared portion,  
ribs pivoted to the collar and to the braces,  
cloth spread on the ribs, and a cap having  
an internally-threaded recess receiving the  
5 second threaded projection of the rod and  
binding down upon the cloth, substantially  
as described.

2. A sunshade the same comprising a staff,  
a rod secured to the staff and having two  
10 squared portions, a collar on one squared  
portion, ribs pivoted to said collar, a runner

capable of being held on the remaining  
squared portion, braces pivotally connected  
to the runner and to the ribs, the ribs being  
rearwardly elongated whereby the shade is 15  
extended in the same direction and cloth  
spread on the ribs substantially as described.

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