

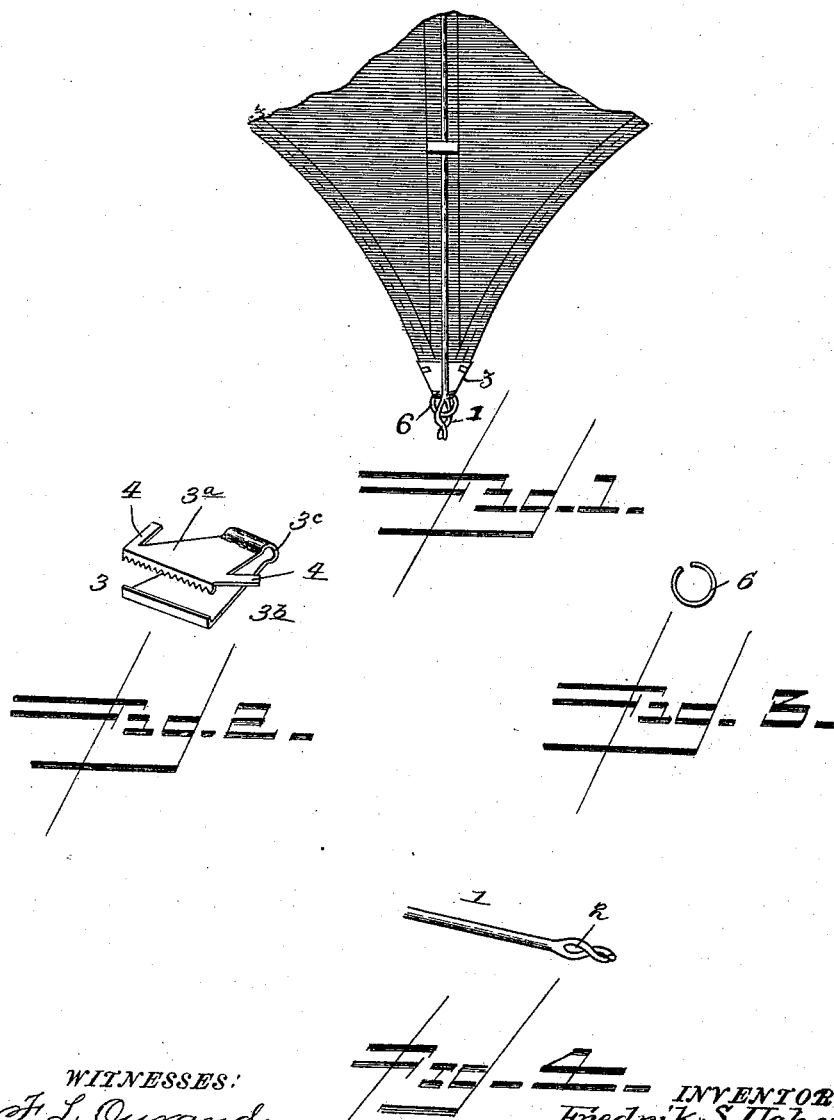
(No Model.)

F. S. UCHERMANN.

METALLIC FASTENING FOR UMBRELLA COVERS.

No. 490,999.

Patented Jan. 31, 1893.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

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## METALLIC FASTENING FOR UMBRELLA-COVERS.

SPECIFICATION forming part of Letters Patent No. 490,999, dated January 31, 1893.

Application filed May 12, 1892. Serial No. 432,752. (No model.)

*To all whom it may concern:*

Be it known that I, FREDRIK S. UCHERMANN, a subject of the King of Norway and Sweden, residing at Christiansand, in Norway, have  
5 invented certain new and useful Improvements in Metallic Fastenings for Umbrellas; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the  
10 art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in means for securing the covers of umbrellas  
15 and parasols to the outer ends or tips of the ribs. The usual method of securing the covers to the tips is by sewing or wrapping the same with thread, a hole or aperture being  
20 formed in the rib near the outer end through which the thread is passed to prevent it from slipping. This is a very insecure method of fastening as the thread is extremely liable to  
25 break and the cover become detached from the rib.

The object of my invention is to provide improved metallic fastening devices whereby the employment of thread is obviated and the  
30 cover attached to the ribs in a very secure and permanent manner.

The invention consists in the novel construction and combination of parts herein-  
after fully described and claimed.

In the accompanying drawings: Figure 1 is  
35 a view of a portion of an umbrella cover and rib, connected together according to my invention; Fig. 2 is a view of the clamp detached, on a large scale. Fig. 3 is a view of the ring or loop engaging with the rib and  
40 clamping or securing plate; Fig. 4 shows the manner of forming the eye or loop in the ribs.

In the said drawings the reference numeral 1, denotes an umbrella or parasol rib provided with an eye or aperture 2. This eye is formed  
45 by bifurcating the end of the rib and twisting said ends together as shown in Fig. 5. The numeral 3 designates a clamp consisting

of a piece of sheet metal, having its sides beveled from each end toward the center and bent over upon itself forming two clamping  
50 plates 3<sup>a</sup> and 3<sup>b</sup>, and a loop 3<sup>c</sup>, one of said plates being provided with two or more tongues 4, and with a series of teeth or serrations 5. The numeral 6 denotes a ring or loop  
55 formed of wire which is adapted to be passed through the eye in the rib, and the loop 3<sup>c</sup>.

The method or manner of securing the cover to the ribs is as follows: The umbrella or parasol may be of any ordinary construction, the  
60 gores comprising the cover being sewed together as usual, with the seams running along the ribs. The edge of the cover is inserted between the clamping plates 3<sup>a</sup> and 3<sup>b</sup>, which are then pressed firmly together by a pair of  
65 nippers or pliers, so as to press the teeth into the cloth. The arms are then bent over the opposite plate so as to securely clamp the  
70 plates together. The ring 6 is then inserted in the eye in the rib and in the loop 3<sup>c</sup> and its ends pressed together, whereby the clamp is securely attached to the rib.

From the above it will be seen that a very simple, inexpensive and efficient fastening device is provided by which the cover can be  
75 easily and readily secured to the rib points.

Having thus described my invention, what I claim is:

In an umbrella or parasol, the combination with the cover, and the ribs having their outer ends bifurcated and twisted together forming  
80 eyes, of the clamp consisting of a piece of metal bent over upon itself forming clamping plates and a loop, and provided with teeth and overlapping tongues, and the rings engaging with said loops and the eyes in the ribs, sub-  
85 stantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

FREDRIK S. UCHERMANN.

Witnesses:

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