

L. P. TIBBALS.

UMBRELLA-TOPS FOR CARRIAGES.

No. 169,599.

Patented Nov. 2, 1875.

Fig: 1.

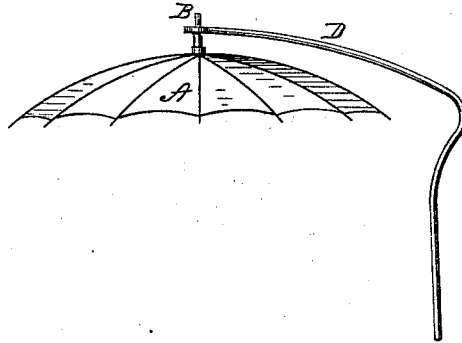
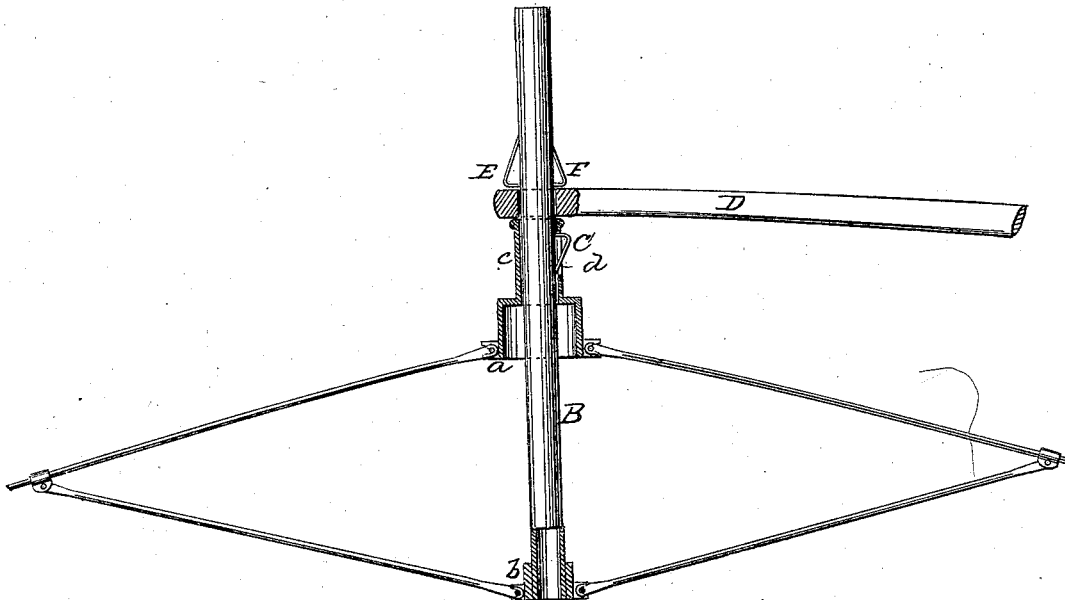


Fig: 2.



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UNITED STATES PATENT OFFICE.

LEWIS P. TIBBALS, OF NEW YORK, N. Y.

IMPROVEMENT IN UMBRELLA-TOPS FOR CARRIAGES.

Specification forming part of Letters Patent No. **169,599**, dated November 2, 1875; application filed September 13, 1875.

To all whom it may concern:

Be it known that I, LEWIS P. TIBBALS, of the city, county, and State of New York, have invented a new and useful Improvement in Umbrella-Tops for Carriages; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention is in the nature of an improvement in umbrella-tops for carriages; and the invention consists in an umbrella-top for carriages constructed with a catch, that holds the umbrella in the open position, placed on the outer or projecting end of the stem, and catches that hold the umbrella in the standard, constructed of adjustable springs, and placed in the projecting or outer end of the stem, substantially in the manner hereinafter described.

In the accompanying sheet of drawings, Figure 1 is a side view, showing attachment of standard or support to umbrella; and Fig. 2, a side view, partly in section, showing my invention.

Similar letters of reference indicate like parts in both figures.

A represents an umbrella-top for carriages, made of any desired size and from any suitable material. This umbrella is provided with the ordinary ribs and stretchers; but it has no shaft or handle, since it is designed to be suspended from a standard or other suitable support fastened to the carriage. For that purpose a stem, B, passes through the center of the umbrella, to the inner support of which are affixed the collars *a* and *b*, to which are attached the ribs and stretchers in the ordinary way. To that part of this stem which protrudes above the parasol is affixed a spring-catch, C. This catch is made in the same manner as the ordinary umbrella-catch is

made, (or, if desired, it may be made in any other way,) so that, when the umbrella-top is spread open, the runner *c*, which also projects above the crown of the top of the umbrella, slides up on the projecting portion of the stem B, and a slot, *d*, passing over the catch C, permits the spring to pass outward through this slot, and thus keep the umbrella in its open or spread position; and to close the umbrella the spring is pressed inward, when the umbrella will collapse.

Now, to secure the umbrella to the standard or support D the projecting end of the stem B is pushed upward through a hole in the end of the support, and the sides of the hole, coming in contact with two springs, E and F, (which are likewise placed on the part of the stem B which projects above the umbrella,) force in the springs until they have passed through the hole in the support, when they will spring open and prevent the stem from dropping through the hole in the support, and thus hold the umbrella secured thereto; and to remove the umbrella from the support D it is simply necessary to compress the springs, and then the stem B may be withdrawn out of the hole.

The springs E and F in the projecting end of the stem may be made in any desirable manner.

Having thus described the construction and operation of my invention, what I claim as new, and desire to secure by Letters Patent, is—

In an umbrella-top for carriages, adjustable springs in the projecting end of the stem, in combination with the umbrella and standard or support, substantially as shown and described.

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Witnesses:

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