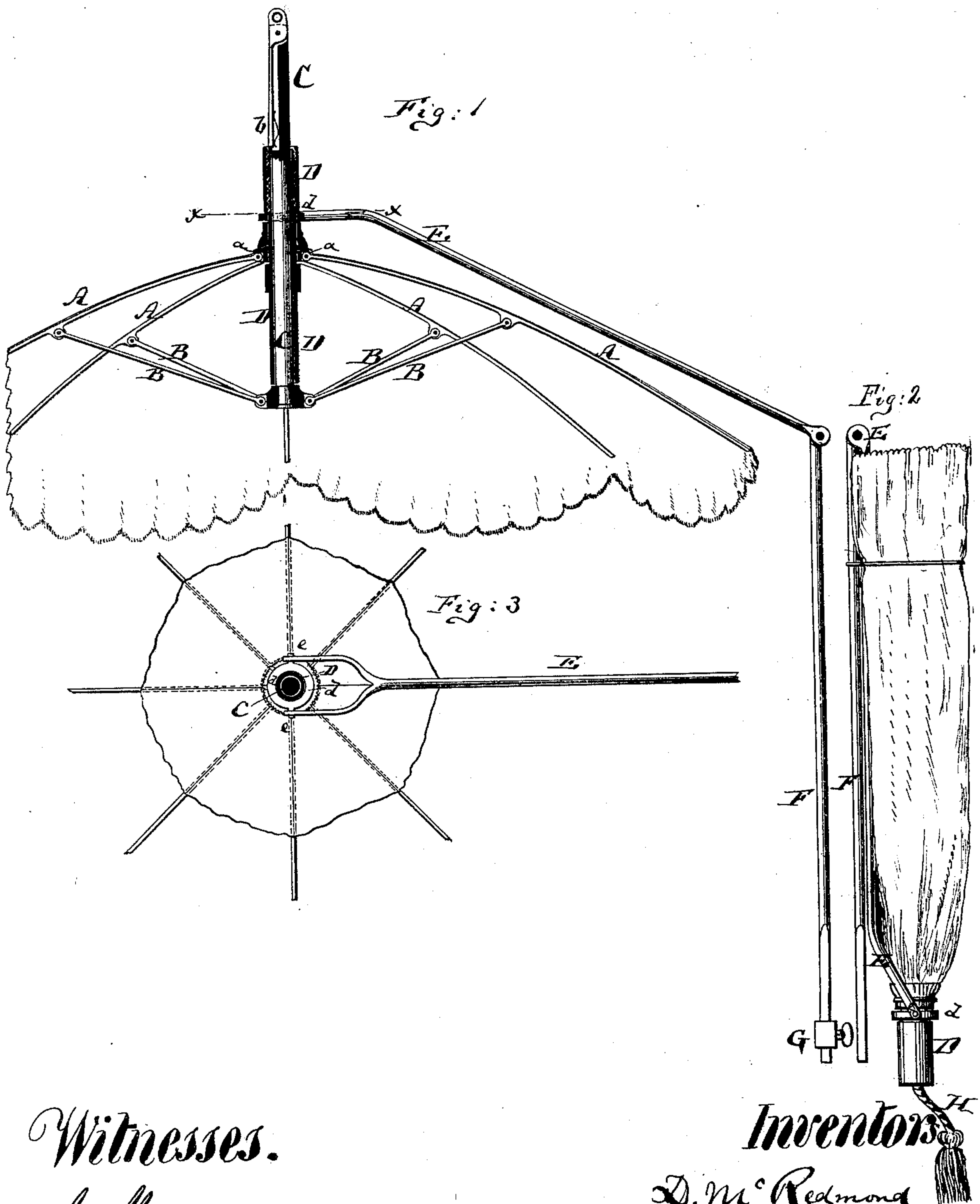


D. McREDMOND & W. D. CHASE.

UMBRELLA-TOPS FOR CARRIAGES.

No. 176,145.

Patented April 18, 1876.



Witnesses.

A. Moraga.
F. V. Briesen

Inventors

D. McRedmond
W. D. Chase
by their attorney
Ow. Briesen

UNITED STATES PATENT OFFICE.

DANIEL McREDMOND AND WILLIAM D. CHASE, OF NEW YORK, N. Y.; SAID McREDMOND ASSIGNOR TO STEPHEN LANE, JR., OF SAME PLACE.

IMPROVEMENT IN UMBRELLA-TOPS FOR CARRIAGES.

Specification forming part of Letters Patent No. **176,145**, dated April 18, 1876; application filed September 7, 1875.

To all whom it may concern:

Be it known that we, DANIEL McREDMOND and WILLIAM D. CHASE, both of the city of New York, in the county and State of New York, have invented a new and Improved Parasol or Umbrella Top for Carriages, of which the following is a specification:

Figure 1 is a vertical central section of our improved parasol top. Fig. 2 is a side view of the same, showing it folded up. Fig. 3 is a horizontal section on the line *xx*, Fig. 1.

Similar letters of reference indicate corresponding parts in all the figures.

This invention has for its object to provide children's carriages, and, if desired, also larger carriages, with parasol or umbrella tops, which may be conveniently swung and held over the heads of the occupants of the carriages, and which, when not required for use, can be folded entirely out of the way.

Our invention consists, first, in causing the umbrella or parasol stem to extend upwardly through a tube that is fitted into the top or crown of the parasol or umbrella and providing it with a spring strap or fastener that will secure it on the upper part of the tube in the elevated position and the parasol or umbrella in the extended position whenever it is desired so to use the latter. The invention also consists in swiveling said tube, or a loose or fast collar thereof, in the forked end of a jointed lever, of which an upright part is attached to the back, side, or front of the carriage-body, the joint in the lever allowing it to be folded together whenever the parasol or umbrella is contracted.

In the accompanying drawing, the letters A A represent the ribs of our coach or carriage parasol or umbrella, and B are the stays or braces of the same. The inner ends of these stays or braces are joined in suitable manner to the lower end of a stick, C, that extends upwardly from the junction with the braces through a tube, D, which is fitted into the center and upper part of the umbrella or parasol, being swiveled in the ring *a*, to which the inner end of the ribs A A are pivoted. The swivel-connection of the tube D is such that it (said tube) is prevented from moving vertically in the ring *a*, while the rod C may be freely

moved up or down in the tube B. The upper part of the stick C has attached to it a spring-snap, *b*, which, when the rod is raised through the tube, as in Fig. 1, will spring out over the top edge of the tube D, and thereby hold the rod C in the elevated position and the umbrella or parasol extended. When the umbrella or parasol is to be contracted or folded together, the spring *b* is pressed into a groove of the rod C provided for its reception, and the rod is then at liberty to be drawn down into and partly through the tube D, and will, in so doing, carry the braces or stays B B and the ribs A A into a position more or less parallel with that of the rod C, thereby contracting the umbrella or parasol. Above the crown or top of the umbrella or parasol is fitted, around the tube D, a ring, *d*, which is free to revolve on the tube D, but not to slide up and down thereon, and which has projecting pins *e e*, as shown in Fig. 3, to which the forked end of a lever, E, is provided. The other end of the lever E is joined to an upright standard, F, that is firmly attached to the frame of the carriage, preferably, by passing through a loop or eye, G, that is riveted to the carriage, in which eye or loop the standard F is vertically adjustable.

The ring *d*, instead of being swiveled, as shown, to the tube D, may be dispensed with, and instead of that the forked end of the lever E pivoted to the tube D directly, or to a flange thereof.

Now, it will be observed that when the parasol or umbrella is to be extended and used on the carriage, the lever E is swung into a nearly horizontal position, as shown in Fig. 1, resting in that position on proper shoulders that are formed near the upper end of the standard F, and the umbrella or parasol is thereupon extended in the manner clearly shown in Fig. 1. In this position the umbrella or parasol is free to vibrate on the pivots *e e* of the swivel *d*, and also, if need be, to revolve with the tube D within the swivel-ring, *d*. A cord, H, is, by preference, attached to the upper end of the rod C for the purpose of facilitating the contraction of the umbrella or parasol.

When the umbrella or parasol is not to be

used it is folded together by the lowering of the rod C, as aforesaid, and after the contraction of the parasol or umbrella the lever E is swung down about parallel with the standard F, and the contracted umbrella or parasol thereupon folded against the lever E, all as indicated in Fig. 2, a suitable cord or band being used to confine the three parts E F and the parasol in the position shown in Fig. 2.

We claim as our invention—

1. The suspended umbrella or parasol having the upwardly-projecting rod C, extending through the tube D, and provided at its upper part with the spring-catch *b* to lock against the upper end of the tube D, substantially as herein shown and described.

2. The swiveled ring *d*, applied around the tube D of a suspended umbrella or parasol, and pivoted in the forked lever E, substantially as and for the purpose specified.

3. The combination of the standard F with the forked lever E, pivoted thereto, and with the suspended parasol or umbrella, all arranged so that said three parts can be conveniently folded together on the carriage, substantially as specified.

DANIEL McREDMOND.
WM. D. CHASE.

Witnesses:

EDW. K. ANDERTON,
F. V. BRIESEN.