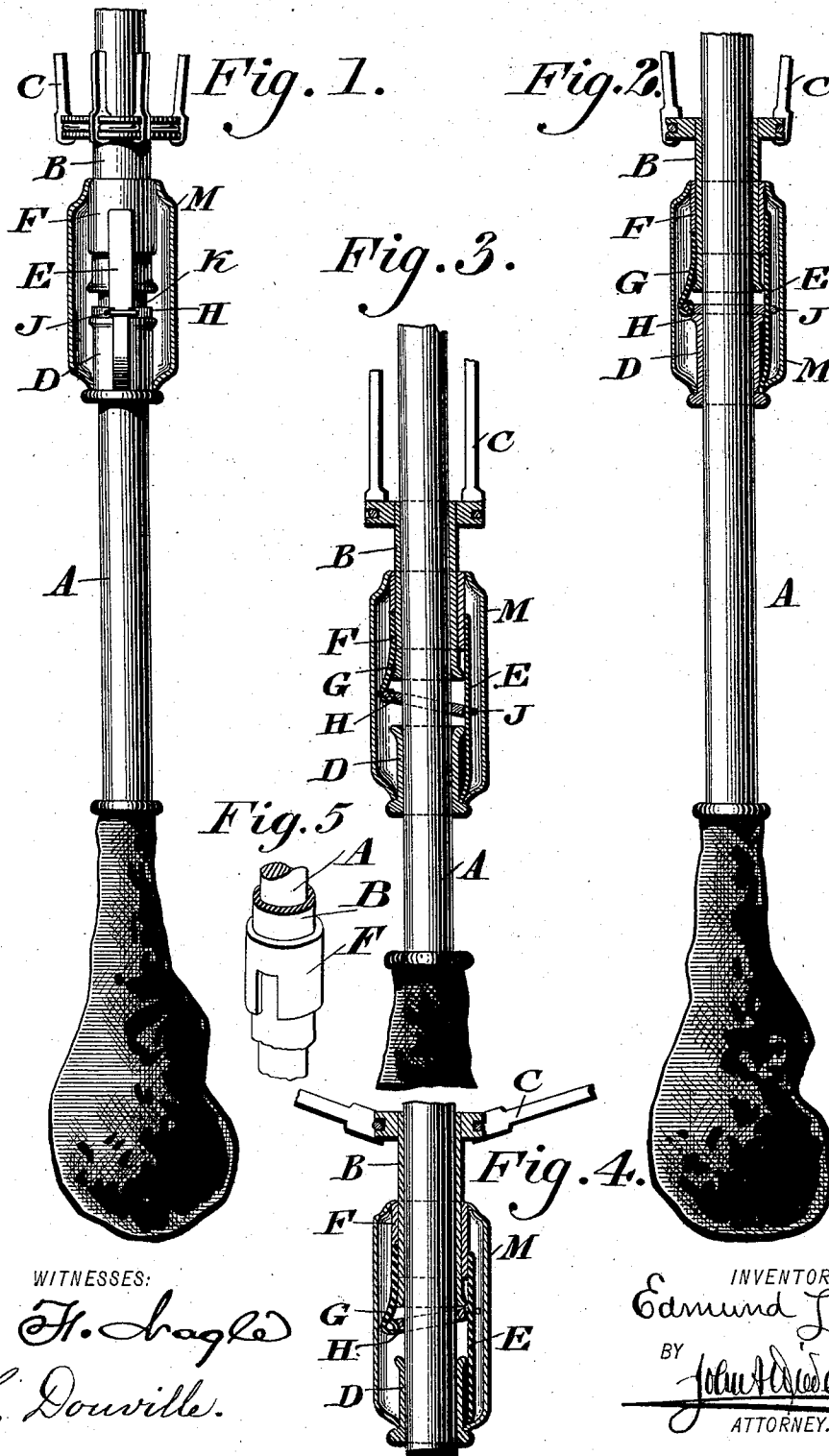


(No Model.)

E. L. GLENN.
FASTENING FOR UMBRELLAS OR PARASOLS.

No. 540,488.

Patented June 4, 1895.



WITNESSES:

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FASTENING FOR UMBRELLAS OR PARASOLS.

SPECIFICATION forming part of Letters Patent No. 540,488, dated June 4, 1895.

Application filed December 23, 1893. Serial No. 494,535. (No model.)

To all whom it may concern:

Be it known that I, EDMUND L. GLENN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Fastenings for Umbrellas or Parasols, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a fastening for umbrellas or parasols comprising a jaw which is pivoted to the runner thereof, and operative mechanism whereby said jaw may be placed in obtuse, acute or right-angular positions on the stick, as will be hereinafter fully described.

It also consists of a sheath protectively inclosing the parts of the fastening as will be hereinafter described.

Figures 1 and 2 represent vertical sections, at a right angle to each other, of a fastening embodying my invention. Figs. 3 and 4 represent vertical sections thereof, showing the fastening, respectively, in the raised and lowered positions of the runner. Fig. 5 represents a perspective view of a detail portion of the invention.

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

Referring to the drawings, A designates the stick of an umbrella, and B designates the runner thereof, the stretchers C being mounted thereon as usual.

D designates a sleeve which freely encircles the stick A, and is held thereon by means of a bar E, which is connected with said sleeve and with a collar F, which latter is freely fitted on the runner B. Depending from the runner is an ear G, on which is hung the annular jaw H, whose inner diameter is somewhat greater than that of the stick, so that the jaw may be placed in either an obtuse, acute or right angle to the stick. The side of the jaw opposite to the axis thereof is provided with an eye J, through which the bar E freely passes, said bar having a shoulder K, which is located above said eye and adapted to abut against the latter, as shown in Fig. 1.

The collar F has a longitudinal slot so that

it may freely slide on the runner without interfering with the ear G.

The operation is as follows: When the umbrella, which is shown closed in Fig. 3, is to be opened, the sleeve D is pushed against the jaw H, and until said jaw assumes a right-angular or somewhat right-angular position, when owing to the connection of said jaw with the runner, the latter slides on the stick, with the sleeve D following it, (see Fig. 2) until the umbrella is opened, when the sleeve is let go. The downward pressure on the runner causes the ear G to lower the axial end of the jaw, and thus place said jaw at an obtuse angle or obliquely on the stick, as in Fig. 4, thus causing its inner face to "bite" the stick and thereby lock the runner, as shown in said Fig. 4. When the umbrella is to be closed, the sleeve D is drawn downwardly, whereby the eye-side of the jaw is lowered and the jaw placed at a right angle or approximately at a right angle to the stick, when the runner is unlocked and the umbrella may be closed. When the runner reaches its closed position, the upward pressure of the same, due to the tendency of the umbrella to open, causes said runner to draw the axial-end of the jaw, and place said jaw at an acute angle or obliquely on the stick, opposite that shown in Fig. 4, and thus the jaw "bites" the stick and holds the umbrella closed as will be seen in Fig. 3.

Connected with the sleeve D and collar F, and movable therewith, is a sheath M, which encircles said sleeve, the collar, the runner, the ear, the bar and jaw, thus inclosing the parts of the fastening and preventing the hand from contacting therewith or being injured by the same, especially during the motions of the jaw.

As the collar F slides on the runner and the sleeve D slides on the stick, the sheath M which is connected with both will move without buckling.

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

1. The combination of an umbrella runner, with a fastener comprising a jaw pivoted to said runner and adapted to bite an umbrella

stick, a sleeve below the runner adapted to move on the stick and a bar rigidly connected with the sleeve, movably connected with the runner and operatively connected with the jaw, substantially as described.

2. The combination of an umbrella runner with a jaw pivoted to said runner and adapted to bite an umbrella stick a sleeve below the runner adapted to move on the stick and a shouldered bar rigidly connected with the sleeve, passing freely through an eye in the jaw and connected with a collar which is movably fitted on the runner, substantially as described.

3. The combination of an umbrella runner, with a fastener comprising a jaw pivoted to said runner and adapted to bite an umbrella stick, a sleeve below said runner adapted to move on the stick, a bar rigidly connected with the sleeve, movably connected with the runner and operatively connected with the jaw, and a sheath which incloses the parts of the fastener and is attached to the sleeve and collar thereof, substantially as described.

EDMUND L. GLENN.

Witnesses:

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