(No Model.)

C. E. FOSBURGH.

PARASOL, &c.

No. 344,094. Patented June 22, 1886.

Fig. 1

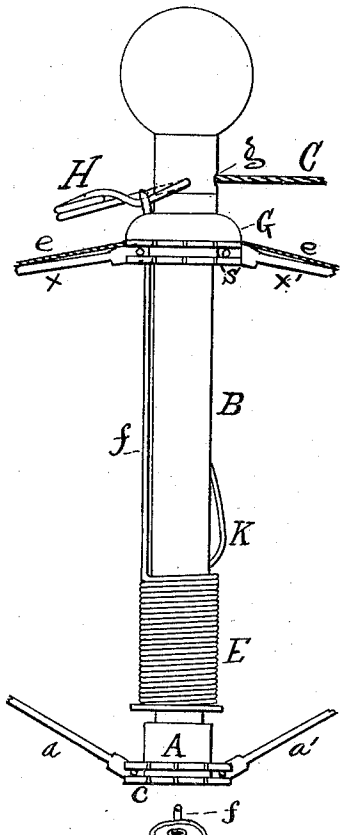


Fig. 2

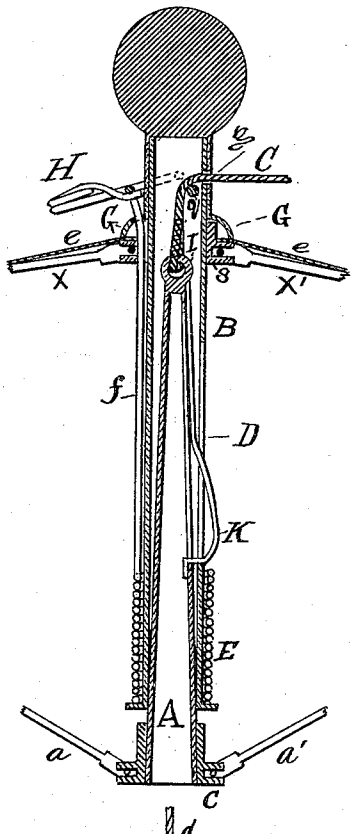


Fig. 3

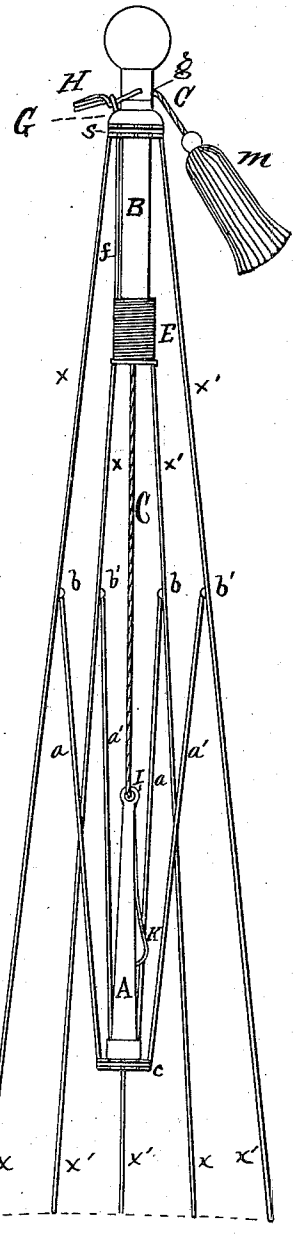


Fig. 4

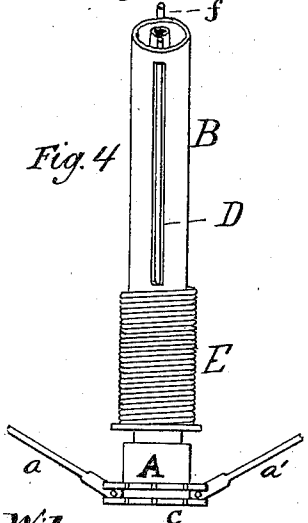
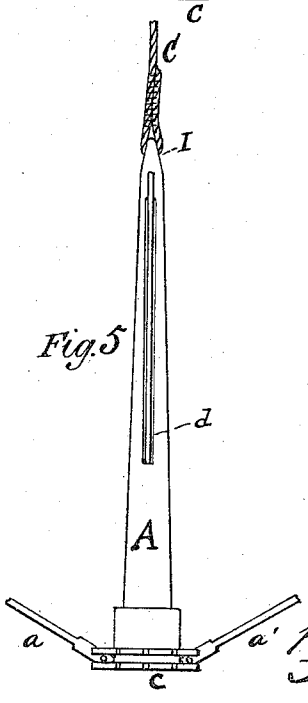


Fig. 5



Witnesses
David Prowse
Wm. L. Van Deerse

Inventor
Calvin E. Fosburgh
per atty
John W. Konvalinka

UNITED STATES PATENT OFFICE.

CALVIN E. FOSBURGH, OF BROOKLYN, NEW YORK.

PARASOL, &c.

SPECIFICATION forming part of Letters Patent No. 344,094, dated June 22, 1886.

Application filed February 25, 1884. Serial No. 121,887. (No model.)

To all whom it may concern:

Be it known that I, CALVIN E. FOSBURGH, of the city of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Parasols and Similar Articles, of which the following is a specification.

My improvements relate more particularly to that class or style of parasols which are used in baby-carriages in the place and stead of canopies wherewith to shade the occupants. As the parasols used for such purposes at the present time are generally suspended from a curved rod or standard secured to the back of and extending over and above the carriage proper, there is great difficulty and inconvenience experienced in separating the folds of the parasol, in order to open and extend the same, and, also, when it is desired to close the parasol, it is necessary to place the hand under the shade between the ribs to loosen the catch, so as to close the same.

The object of my invention is to obviate this trouble, and at the same time do away with all these defects; and to this end my invention consists in a simple mechanism whereby the parasol may be opened and closed from the outside thereof.

In the accompanying drawings, Figure 1 represents a front view of a parasol embodying my improvement, the ribs in front being taken away. Fig. 2 represents a vertical transverse section of the same when open, the ribs also being taken away. Fig. 3 represents a front view of a parasol embodying my invention when closed, the ribs in front being taken away. Fig. 4 represents a front view of a portion of the hollow stock-piece in detail, and Fig. 5 represents a similar view of the runner.

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

A designates a pointed cylindrical runner, on the lower end of which is secured the notch-piece *c* for securing one end of the stretcher-ribs *a a'*. In this runner A is an elongated slot, *d*.

K designates a catch-spring, which extends out from and plays in the slot *d*. One end of this spring is secured to the runner A by solder or any other suitable means, and the other end is bent, so as to prevent its slipping out of the slot *d*.

B designates a hollow stock-piece or tubular stick, also provided with a notch-piece, S, for securing one end of the ribs *x x'*.

D designates an elongated slot cut in the hollow stock-piece B.

E designates a spiral spring fitting around the lower end of the hollow stock-piece B, and its lower end is joined to and secured to the same by any suitable means. Connected to this spiral spring E is a wire or rod, *f*, which extends upward outside the hollow stock-piece B through the notch *s* and cap-piece G, and secured to the button or ring H.

H designates a button or ring, made of wire or other suitable material, passing through the hollow stock-piece B above the notch *s*, and acts as a pulley or axle, *q*, for the cord, C, to pass over.

C designates a cord or other suitable device, which passes through a small opening, *g*, in the hollow stock-piece B, and connects with and is secured to the pointed cylindrical runner A by a ring, I, or other suitable device.

G designates a cap-piece fitting around the hollow stock-piece B above the notch *s*, and serves to keep the frame in place.

The ribs and stretcher-ribs constituting the frame are joined together at *b b'*, and also to the notches *s* and *c* in the ordinary way in which parasol and umbrella frames are constructed, and may be covered by any desired material, *e*.

When it is desired to open and extend the parasol, by pulling the cord C the runner A will follow and run up into the hollow stock-piece B until the catch-spring K comes opposite the slot D, when it will spring out and secure the runner A within the hollow stock-piece B. By pressing the ring H upward the wire *f*, which is connected to the spiral spring E, is raised, and the spring E passes closely over the slot D and the catch-spring K, and forces the same under the slot D, when the frame, by reason of its own resiliency, will close the parasol.

The pointed cylindrical runner and the hollow stock-piece B may be made of any suitable material, such as rolled tin, metal, wood, &c.

The hollow stock-piece B, above the notch *s*, may be of such a shape that it can be se-

cured to and suspended from the standard or curved rod used for holding a parasol-shade in a baby-carriage, and for this purpose will be found to be very useful.

The cord or wire rope C may have a tassel, *m*, or other ornament attached to the end, so that it will look tasteful, and at the same time prevent the cord from slipping within the hollow stock-piece.

Various modifications of construction may be made without departing from the principle of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a parasol or similar article, the combination of a stock-piece provided with a notch for securing the frame-ribs, a runner also provided with a notch for securing the stretcher-ribs, which are connected to the frame-ribs, and a cord for operating them, whereby the frame may be opened and extended from the top and outside of the same, substantially as described.

2. In a parasol or similar article, the combination of a stock-piece provided with a notch for securing the frame-ribs, a runner also provided with a notch for securing the stretcher-ribs, which are connected to the frame-ribs, a cord for operating them, whereby the frame may be opened and extended from the top and outside of the same, and a catch or analogous means for holding the frame extended, substantially as described.

3. In a parasol or similar article, the combination of a stock-piece provided with a notch for securing the frame-ribs, a runner also provided with a notch for securing the stretcher-ribs, which are secured to the frame-ribs, a catch for holding the frame extended, and a wire or analogous means for operating them, whereby the runner may be disconnected from the stock-piece, and the frame closed from the top and outside of the same, substantially as set forth.

4. In a parasol or similar article, the combination of a hollow stock-piece provided with a notch for securing the frame-ribs, a slot in said stock-piece, an axle or pulley extending across said stock-piece above the notch, a ferrule or cap-piece fitting around said stock-piece to keep the frame in place, a pointed cylindrical runner also provided with a notch for securing the stretcher-ribs, a slot in said runner, a catch-spring secured to said runner and embraced by said slot, means of securing the stretcher and frame ribs together, and a cord or analogous device entering said stock-piece from the outside above the notch and connected with the runner for opening and extending the frame, said catch-spring engaging with the slot in the stock-piece to hold the frame extended, substantially in the manner as and for the purpose specified.

5. In a parasol or similar article, the combination of a hollow stock-piece provided with a notch for securing the frame-ribs, a slot in said stock-piece, an axle or pulley extending across the said stock-piece above the notch, a ferrule or cap-piece fitting around said stock-piece to keep the frame in place, a pointed cylindrical runner also provided with a notch for securing the stretcher-ribs, a slot in said runner, a catch-spring secured to said runner and embraced by said slot, said catch-spring engaging with the slot in the stock-piece to hold the frame extended, means of securing the stretcher and frame ribs together, a spiral spring or analogous devices fitting around said stock-piece, a wire or analogous means connecting the same to a ring or button on the outside of the stock-piece above the notch, for disconnecting the engagement of the catch-spring from the slot in the stock-piece for closing the frame, substantially in the manner as and for the purpose specified.

6. A parasol or similar article consisting of a hollow stock-piece provided with a notch for securing the frame-ribs, a slot in said stock-piece, an axle or pulley extending across said stock-piece above the notch, a ferrule or cap-piece fitting around said stock-piece to keep the frame in place, a pointed cylindrical runner also provided with a notch for securing the stretcher-ribs, a slot in said runner, a catch-spring secured to said runner and embraced by said slot, said catch-spring engaging with the slot in the stock-piece to hold the frame open and extended, means of securing the stretcher and frame ribs together, a spiral spring or analogous devices fitting around said stock-piece, a wire or analogous means extending along the stock-piece under the notch and through the cap-piece, and connecting said spiral spring or analogous devices to a button or ring secured to the stock-piece above the notch, said devices for disconnecting the engagement of the catch-spring from the slot and closing the frame from the outside thereof, and a cord or analogous means entering said stock-piece from the outside above the notch and connected with the runner for opening and extending the frame, said catch-spring engaging with the slot in the stock-piece to hold the frame extended, the several parts being arranged, constructed, and firmly held together substantially in the manner as and for the purpose specified.

CALVIN E. FOSBURGH.

Witnesses:
WM. L. VAN DERZEE,
HENRY L. WASHBURN.