

M. PERELL.
 UMBRELLA OR PARASOL.
 APPLICATION FILED JUNE 24, 1910.

997,846.

Patented July 11, 1911.

Fig. 1.

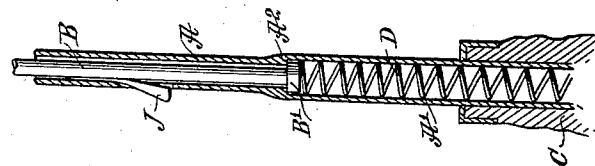
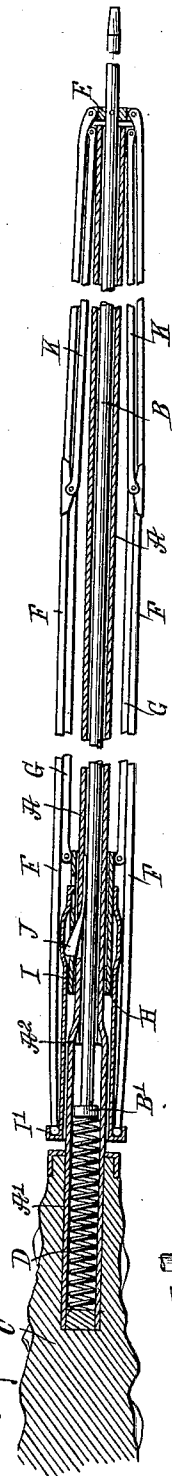
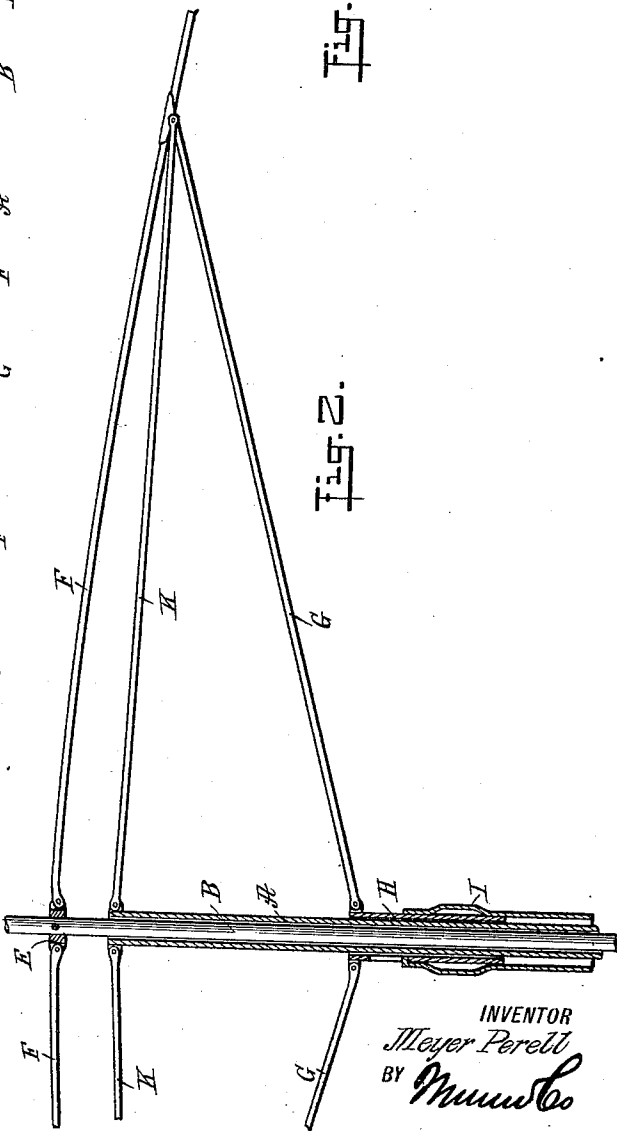


Fig. 3.

Fig. 2.



WITNESSES:
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MEYER PERELL, OF NEW YORK, N. Y.

UMBRELLA OR PARASOL.

997,846.

Specification of Letters Patent.

Patented July 11, 1911.

Application filed June 24, 1910. Serial No. 568,687.

To all whom it may concern:

Be it known that I, MEYER PERELL, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Umbrella or Parasol, of which the following is a full, clear, and exact description.

The invention relates to self-opening umbrellas and parasols, such as shown and described in Patent No. 965,652 granted to me July 26, 1910.

The object of the present invention is to provide certain new and useful improvements in self-opening umbrellas or parasols, whereby the construction is simplified, and the parts are not liable easily to get out of order.

For the purpose mentioned, use is made of a stick, formed with telescoping sections, of which one is the handle section and contains a spring pressing the other or crown section, which latter carries the crown on which the ribs are pivoted, the runner being mounted to slide on the handle section and being connected by braces with the ribs, the latter being connected by auxiliary braces with the handle section.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a longitudinal sectional elevation of the umbrella, showing the parts in closed position and the covering omitted; Fig. 2 is a similar view of the same open; and Fig. 3 is an enlarged sectional side elevation of the handle end of the umbrella, and showing more particularly the telescoping stick sections and the actuating spring.

The stick of the umbrella or parasol is made in two sections A and B, of which the section A is tubular, and in it telescopes the other section B. The inner end A' of the section A is enlarged, and is secured in the handle C, and contains a spring D which presses against a collar B', resting on the inner end of the telescoping section B, the said collar B' being adapted to be seated against a seat A², formed in the handle section A at the beginning of the enlarged portion A', at the time the umbrella is in an open position, as indicated in Fig. 1, see also Fig. 3. The outer section B is provided near its end with a crown E, and hence I prefer

to call this section the crown section, and on the crown E are pivoted the ribs F, pivotally connected by the braces G with the runner H, mounted to slide on the stick section A, and controlled by a tubular slide I, which also controls the usual locking catch J, held on the handle section A, a distance above the enlarged end A', as plainly indicated in Figs. 1 and 3.

The slide I is provided at its bottom with a cup I' for receiving the tips of the ribs F, at the time the umbrella is closed (see Fig. 1). The ribs F are pivotally connected by auxiliary braces K with the upper end of the handle section A.

When the parts are in a closed position, as shown in Fig. 1, and the runner H is locked in place by the spring catch J, and the tips of the ribs are held in the cup I', then the spring D is under compression and the crown E is close to the upper end of the handle section A, as plainly indicated in Fig. 1. Now when the slide I is moved downward sufficiently to release the tips of the ribs F, and the slide is then pushed upward to move the spring catch J inward and thus unlock the main runner H, then the tension of the spring D exerts an outward pressure against the collar B' of the crown section B, thereby causing an outward sliding movement of the crown section B, whereby the auxiliary braces K impart an outward upward swinging movement to the ribs F, which latter, by the braces G, cause an upward sliding of the runner H, until the umbrella is completely open, without any action on the part of the operator except the manipulating of the slide I, as above explained. When the umbrella is completely open, the collar B' is seated on the seat A², and by having the collar B' separate from the section B, the latter can be removed for repairs without disturbing the position of the spring D in the enlarged portion A'.

When it is desired to close the umbrella, the operator pulls the slide I in a downward direction, thus causing an inward swinging of the ribs F by the action of the braces G; and by the use of the auxiliary braces K, a downward pressure is exerted on the ribs F and consequently on the crown section B to slide the same downward in the handle section A, and in doing so the collar B' compresses the spring D, as indicated in Fig. 1.

The self-opening umbrella shown and described is simple and durable in construction, composed of comparatively few parts, and not liable easily to get out of order.

5 Having thus described my invention, I claim as new and desire to secure by Letters Patent:

10 An umbrella or parasol, comprising a stick formed of a tubular handle section having its inner end enlarged and provided with a seat at the outer end of the enlarged portion, a crown section telescoping in the handle section and extending into the enlarged portion of the handle section and beyond the outer end of said section, a coiled spring in the enlarged portion of the han-

dle section, a collar in the enlarged portion of the handle section between the spring and crown section and separate from said crown section, a crown on the crown section, 20 ribs pivoted to the crown, a runner slidable on the handle section, braces connecting the runner with the ribs, and auxiliary braces connecting the ribs with the outer end of the handle section. 25

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MEYER PERELL.

Witnesses:

THEO. G. HOSTER,
PHILIP D. ROLLHAUS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."