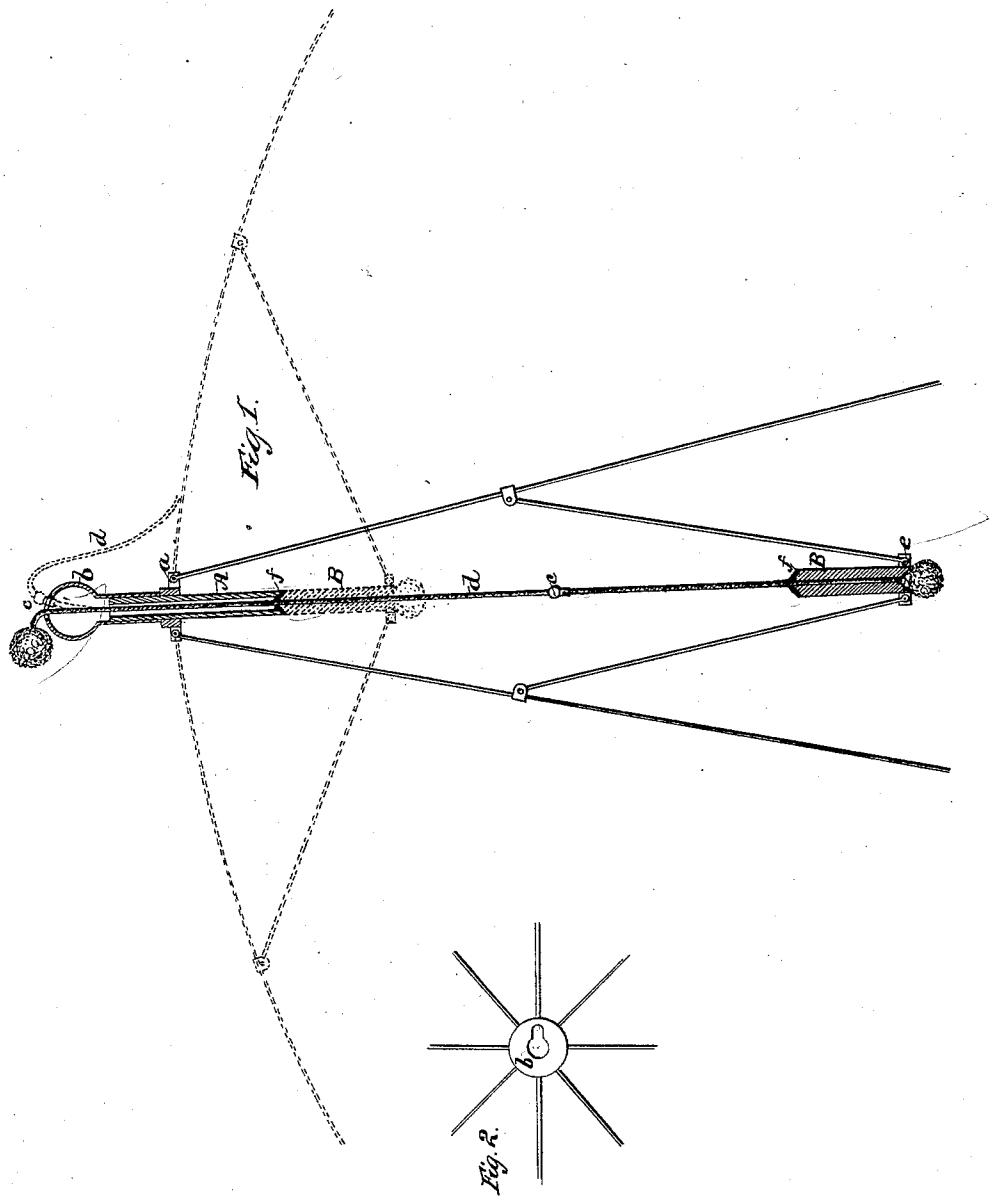
(No Model.)

F. B. BROCK.

UMBRELLA.

No. 302,187. Patented July 15, 1884.



WITNESSES

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UNITED STATES PATENT OFFICE.

FENELON B. BROCK, OF WASHINGTON, DISTRICT OF COLUMBIA.

UMBRELLA.

SPECIFICATION forming part of Letters Patent No. 302,187, dated July 15, 1884.

Application filed March 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, FENELON B. BROCK, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Umbrellas; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My present invention relates to umbrellas or parasols.

The object of my invention is to provide an umbrella which may be opened and closed from the outside, and also to dispense with a section or portion of the umbrella-stick, so that a cheap and inexpensive frame may be made which shall possess all the advantages of operation of a more costly frame and all the facilities for both covering and lining the parasol.

For these purposes my improvement consists in an umbrella or canopy in which the stick is composed of two short disjointed sections, adapted to recede from each other when the canopy is closed and to approach and contact each other when the parasol is opened.

In connection with this stick my invention further consists in a cord attached to the lower sectional stick and passing up through the upper section for operation outside, so that the canopy may be both raised and lowered.

Figure 1 represents a sectional view showing the parasol closed or nearly closed, and showing in dotted lines the canopy when opened. Fig. 2 is a detached top view of the slotted ball on the head of the umbrella.

A B represent the sectional stick. The upper portion, A, extends up through the top notch, *a*, and is surmounted by the slotted ball *b*. A hole is made through this section A large enough to permit the bead *c* on the cord *d* to slide freely through it. The lower sectional stick, B, is preferably provided with a hole through it just large enough to allow the cord to pass therein; but the cord may, if desired, be attached directly to the upper end, and the stick B be made solid.

The runner *e* is keyed to the stick-section B, and the top notch, *a*, to stick-section A. The ribs and stretchers are arranged in the usual way. Upon pulling the cord *d* the stick sections will approach each other until they contact, thereby limiting the opening of the canopy. The bead *c* is so arranged that when the sections A and B strike, the bead will just have come above the slot, when it is pushed into the narrow part of the slot and the canopy held open. To close the parasol, the bead is merely pushed out of the slot, when the spring of the ribs will close the canopy.

The sectional stick is preferably made of wood, although metal may be employed. The contiguous ends of the sticks are preferably provided with a conical seat, as shown. A block or washer of elastic material, *f*, may be interposed between the sections to take up any slack in the contact, or it may be dispensed with.

The arrangement of the slotted head is productive of advantages—viz., that the narrow part of the slot is in a lower level than the larger, and therefore prevents any accidental displacement of the bead when resting therein.

I claim—

An umbrella-stick composed of two disjointed sections secured to the top notch and runner, respectively, in combination with a cord for operating them from the outside, whereby they are brought into contact when opening the umbrella and separated when closing it, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

F. B. BROCK.

Witnesses:
T. W. SCOTT,
H. A. HALL.