

(No Model.)

C. C. JUIF.  
Umbrella, Parasol, &c.

No. 238,238.

Patented March 1, 1881.

Fig. 8.

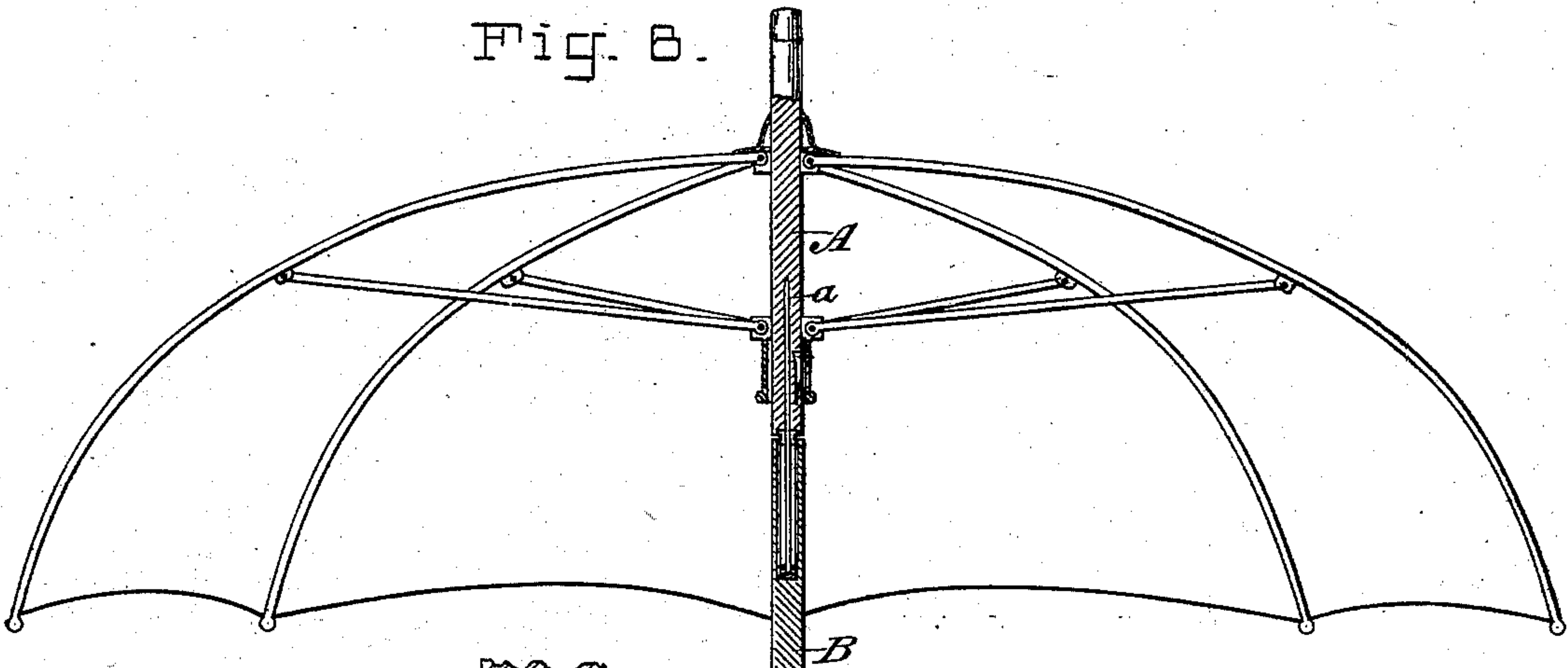


Fig. 1.

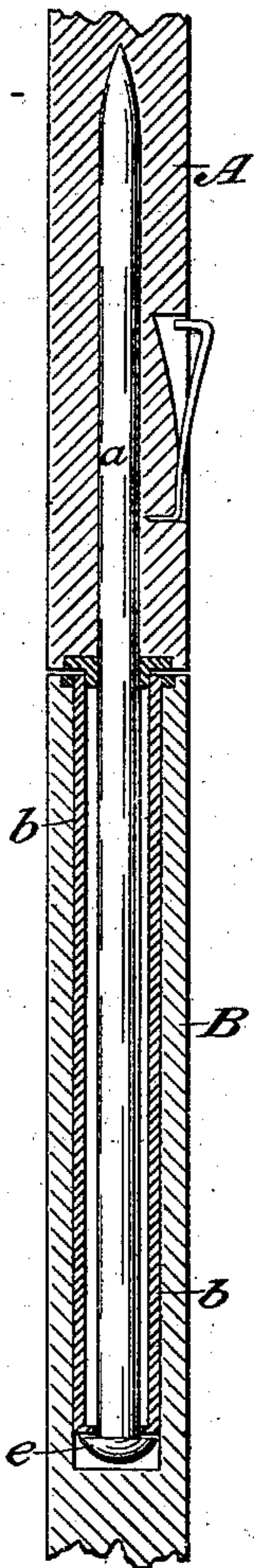


Fig. 4

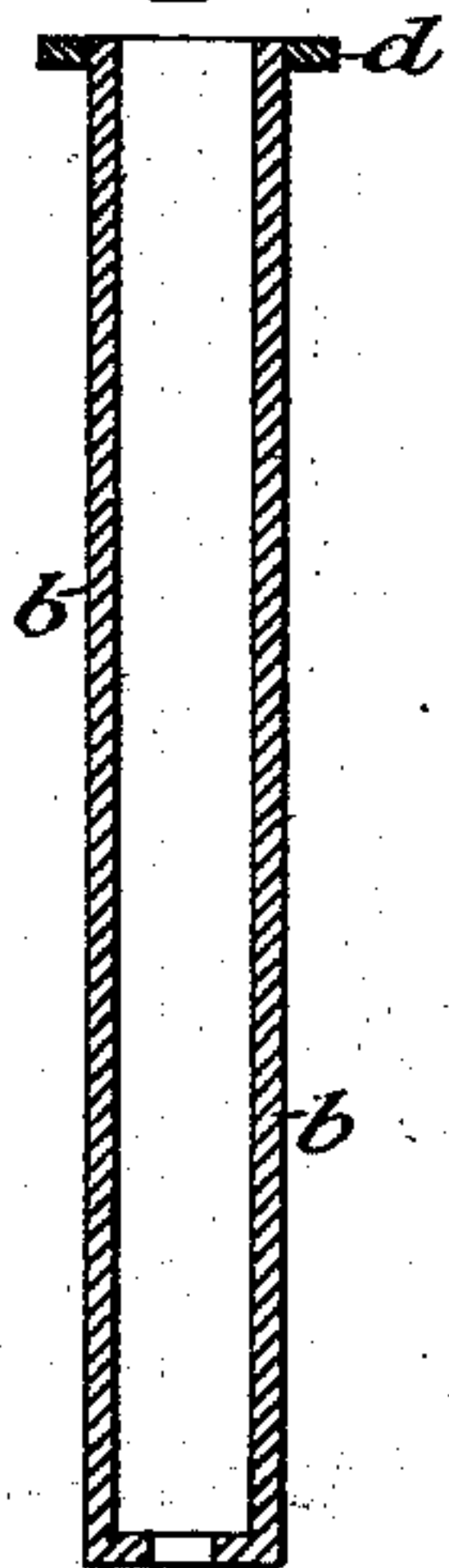


Fig. 2.

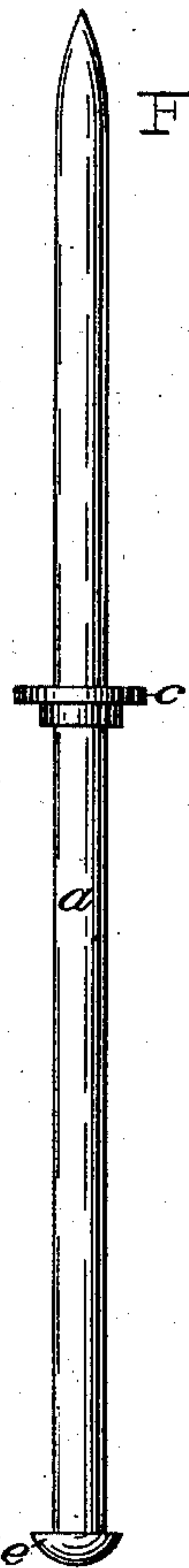


Fig. 3

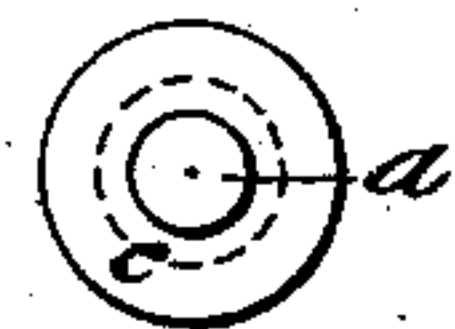
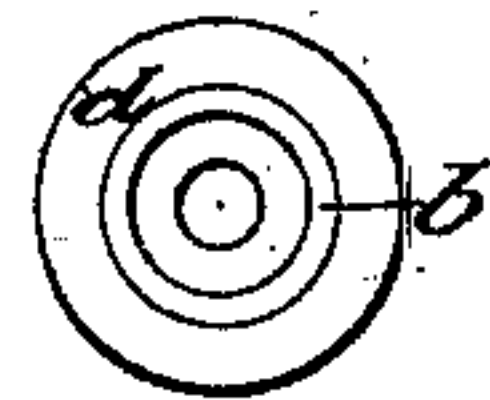


Fig. 5.



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# UNITED STATES PATENT OFFICE.

CLAUDE C. JUIF, OF PARIS, FRANCE.

## UMBRELLA, PARASOL, &c.

SPECIFICATION forming part of Letters Patent No. 238,238, dated March 1, 1881.

Application filed December 18, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, CLAUDE CHARLES JUIF, a citizen of the Republic of France, and residing in Paris, France, have invented certain  
5 Improvements in Umbrellas, Parasols, &c., of which the following is a specification.

This invention relates to an umbrella, or similar protection against sun and rain, provided with a rotating top or cover; and the  
10 object is to provide against injury to the cover and its distending parts from accidental strains caused by blows or sudden gusts of wind, the top rotating on the stock or handle on an axis parallel with the axis of the stock.

15 In the drawings I have shown a simple and convenient means of mounting the rotating cover on the handle and securing it thereto.

Figure 1 is a longitudinal mid-section taken through the handle at the point where the two  
20 parts are joined. Figs. 2 and 3 are, respectively, a side view and plan of the axial pin which connects the parts of the handle. Figs. 4 and 5 are, respectively, a longitudinal mid-section and a plan of the socket set into the  
25 handle to receive the pin. Fig. 6 is a sectional view, on a smaller scale, of an umbrella provided with my-improvements.

In carrying out my invention I prefer to cut the handle of the umbrella near its top, or just  
30 beneath the spring-stop which keeps the cover distended when the umbrella is "raised," and to arrange in the handle an axial pin on which the upper part of the stock and the cover may rotate when the lower or inferior part of the  
35 handle is grasped by the hand.

A is the upper or superior portion of the handle to which the cover is secured. By "cover" is meant the textile or other thin material forming the cover proper, and its ribs,  
40 braces, and other distending mechanism.

B is the lower or inferior portion of the handle, which is joined to the superior portion just below the spring-stop which supports the sliding thimble or "runner" when the umbrella  
45 is distended.

In the part B of the handle I bore an axial hole, and fit into it a tube, B, having a bearing-flange, *d*, at its top and an apertured bottom. A pin, *a*, provided with a head,  
50 *e*, and a bearing-collar, *c*, forms the rotative or pivotal axis. This pin is first passed through

the aperture in the bottom of the tube *b*, then the collar *c* is slipped onto it over its point, and then the pin is driven tightly into the axis of the superior part of the handle, as clearly  
55 shown in Fig. 1, care being taken to bring the bearing-flanges close together and face to face. I prefer to make one of the flanges of copper or brass and the other of iron, to avoid friction. The flange *c* is, by preference, soldered or other-  
60 wise secured to the pin *a* after it has been passed through the tube and before it has been fixed in the wood; but that is not a matter of importance. It may or may not be fixed. The tube may be secured in place by glue or ce-  
65 ment, or other additional means—as pins, for example, may be employed to secure both the pin *a* and the tube in place. I prefer to set the tube in the inferior portion of the handle; but the arrangement shown may be reversed. 70

In lieu of the tube, a ring might be driven to the bottom of the hole, for the purpose of engaging the head of the pin, and the flange *d*, at the same time, be provided with a short tube, whereby it could be fixed on the hole. 75 This would be equivalent to cutting away the central part of the tube *b*, and the advantage, if any, would be in reducing the weight of the umbrella-handle.

I have shown the inferior part of the flange 80 *c* (on the pin *a*) arranged to enter the mouth of the tube, so as to fill it snugly, and I prefer this construction; but this portion of the flange might form a part of the tube *b*.

I prefer to arrange the joint at the point 85 shown; but it might be lower down on the handle. And as the joint is arranged in that part of the handle over which the runner travels, I place the parts wholly within the circumference of the handle, so as to offer no ob- 90 struction to the travel of the runner.

My invention may be applied to all forms of shades or umbrellas, and is especially well adapted to those used on boats and carriages, and at bathing-places. 95

I am aware that umbrellas and parasols have before been provided with rotative tops; but in none of these, so far as I am aware, has the joint been constructed and arranged as I have herein described. I arrange the joint below 100 the spring-stop which supports the runner when the umbrella is raised or distended,



whereby that portion of the stem encompassed by the runner and the stop may rotate with it; and I arrange the joint, by preference, just below the said stop, so as to leave a large portion of the stem below the rotative part to be grasped by the hands. If the joint be arranged just below the point where the ribs are joined to the stem, as has been done, the runner (which rotates with the top) must turn on the inferior part of the stem; and as the runner is pressed by elastic force down on the spring-stop, the friction would prevent free rotation. If the joint be placed down too near the butt of the stem, the bearer will often be compelled to grasp the rotative part of the stem above the joint. By placing the joint as described, I avoid both of these difficulties, and leave the top free to rotate at all times.

Having thus described my invention, I claim—

1. In an umbrella or similar protection against the elements, having its top arranged to rotate, the arrangement of the joint in the stem below the stop which supports the runner, substantially as and for the purposes set forth.

2. In an umbrella or similar protection against the elements, the cover, ribs, braces, and the superior portion of the stem of which are arranged to rotate on the inferior portion of the stem, the arrangement of the joint in the stem immediately below the stop which supports the runner when the umbrella is distended, whereby the runner and stop may rotate together, and the stem below the stop be left free to be grasped by the hand of the bearer without interfering with the rotation of the top, as set forth.

3. The combination, to form a rotative connection between the two parts of the handle, of the headed axial pin, the inserted tube or its specified equivalent, the bearing-washers, and the two parts of the handle, all arranged substantially as set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

CLAUDE CHARLES JUIF.

Witnesses:

C. DÉJOU,

CH. MARDELET.