(No Model.) 2 Sheets—Sheet 1.

H. H. PATTEE.

UMBRELLA SUPPORTER.

No. 435,446. Patented Sept. 2, 1890.

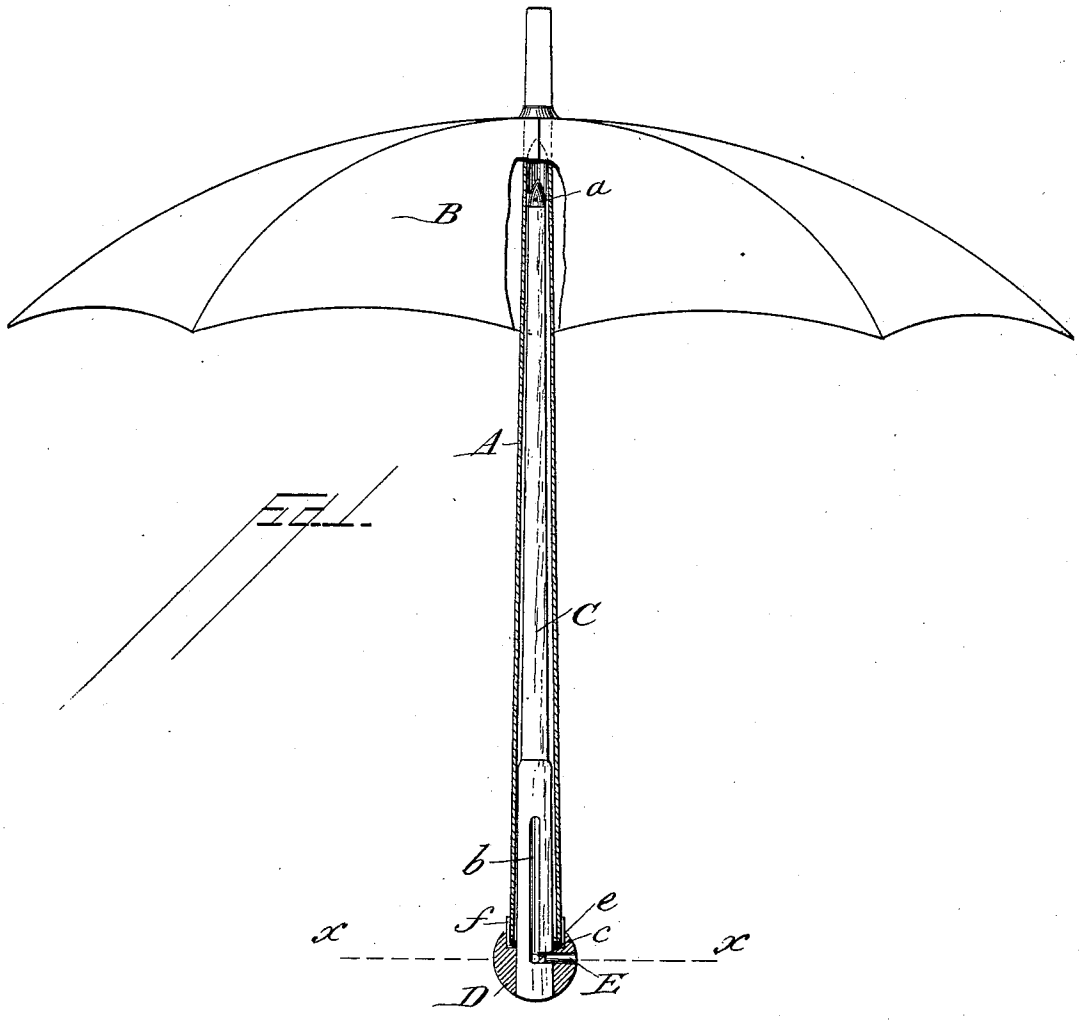


Fig. 1.

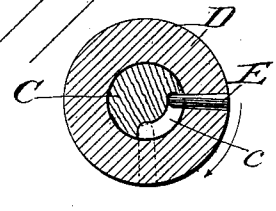


Fig. 2.

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per Fred E. Basker
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

(No Model.) 2 Sheets—Sheet 2.

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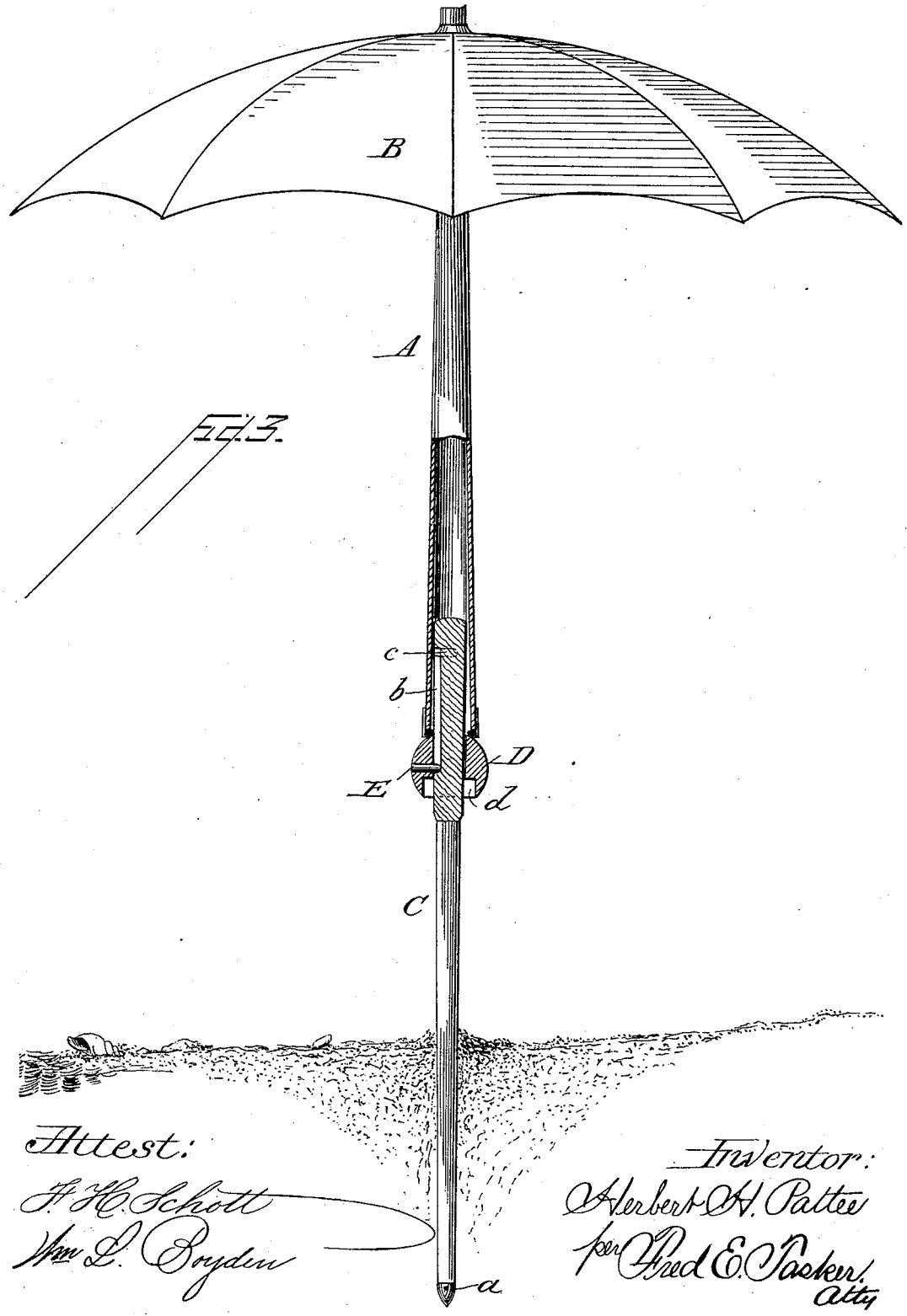


Fig. 3.

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UNITED STATES PATENT OFFICE.

HERBERT H. PATTEE, OF WASHINGTON, DISTRICT OF COLUMBIA.

UMBRELLA-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 435,446, dated September 2, 1890.

Application filed June 20, 1889. Serial No. 314,930. (No model.)

To all whom it may concern:

Be it known that I, HERBERT H. PATTEE, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Umbrella-Supporters; 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 invention relates to an improvement in umbrella-supporters, the object thereof being to provide a simple, cheap, and efficient contrivance for upholding umbrellas in an open position, adapted particularly for the supporting of sun-umbrellas on the beach or sea-shore, but equally serviceable for use with other kinds of umbrellas and in different localities and situations.

The invention consists, essentially, in the combination, with the hollow handle or stick of an umbrella or shade, of a removable rod adapted to be placed within said handle when desired, but easily removable therefrom, said rod being provided with a knob or similar device which is adjustable thereon, said knob being located at the end of the rod when the latter is within the handle, thus serving to embellish the appearance thereof, as well as to afford an object to be grasped by the user of the umbrella, and said knob being adjusted to a short distance from the end of the rod when the latter is removed from the hollow handle, into which the said end of the rod is inserted, with the lower end of the handle resting upon the knob, so that the umbrella is thereby supported; and the invention further consists in certain peculiarities in the construction, arrangement, and combination of parts, substantially as will be hereinafter described and claimed.

In the annexed drawings, illustrating my invention, Figure 1 is a vertical sectional elevation of an open umbrella with my improved supporting contrivance applied thereto, the removable rod being shown inclosed within the hollow stick. Fig. 2 is a horizontal cross-section on the line $x\ x$ of Fig. 1. Fig. 3 is an elevational view of an open umbrella with my improved supporting contrivance arranged in position to uphold the same, the parts being shown in partial section.

Similar letters of reference designate corresponding parts throughout all the different figures of the drawings.

My invention is equally applicable to all kinds of umbrellas, sunshades, parasols, and other covering used for a similar purpose.

I deem the invention especially useful for beach-umbrellas, but do not wish to confine myself to this one kind.

B denotes the cover, and A the handle or stick. This stick is made hollow. It may be of any suitable and desirable length, diameter, and thickness, and made of any proper material. The dimensions of the stick will doubtless vary with umbrellas of different kinds, qualities, and sizes.

C denotes a rod, which may be of greater or less length and of proper diameter to enable it to be inserted easily into the hollow stick A. In Fig. 1 this rod C is shown within the stick. This rod is preferably slightly tapered from one end to the other, the lower end thereof being furnished with a metallic or other point *a*, so that the rod may be easily driven into the sand or ground at the point where it may be desired to support the umbrella. The relative length of the rod C, as compared with that of the handle or stick A, can be determined by experiment and use. The upper or larger end portion of this rod C is provided with a longitudinal slot *b*, extending a convenient distance. (See Figs. 1 and 3.) At the upper end of this slot, nearest the end of the rod, there is a short transverse slot *c* at right angles to slot *b* and communicating therewith.

On the rod C is located an adjustable device, which, in the present example of my invention, consists of a ball or knob D, bored centrally, with a suitable hole of the right size to permit the rod C to pass easily therethrough. The knob D is furnished with a pin E, which projects into the slot *b*. It will thus be seen that the ball or knob D may be adjusted along the rod C, so as to occupy different positions, the limit of said adjustments being determined by the length of the slot *b*, within which is the end of the pin E. It will thus be manifest that the knob D may be located near to or far away from the upper end of the rod C. In Fig. 3 the knob is located with its pin E resting in the lower end of the

slot *b*, the knob being thus supported at this point. When the knob is lifted from this position and transferred to the end of the rod C and then given a slight twist, the pin E may be caused to enter the transverse slot *c*, and thus the knob can be held at the end of the rod C and locked in this position.

It will be understood that I am not confined to a rounded ball or knob like that shown in the drawings, but I may shape the adjustable device in any manner that I wish. It may have any outline, size, and form, provided only that it can be arranged to slide upon the rod C, having its extent of movement limited and determined by the pin which enters the slot.

The knob is provided with a groove *d*, which serves when the knob is at the end of the rod and the rod within the stick, as shown in Fig. 1, to receive the end of the hollow stick A, as shown in said figure of the drawings, this end being preferably furnished with a rubber ring *e* and a metal ring *f*, or some equivalent packing or securing device, which will enable the knob to be firmly seated and connected to the hollow stick.

The mode of using my improved umbrella-supporter will be evident from the foregoing description of its construction without need of additional details. When the umbrella is being carried about or used in the ordinary manner, the rod C is located within the handle or stick A and all the several parts adjusted and related in the manner shown in Fig. 1, the knob being at the end of the rod C, with its pin E in the transverse slot *c* and the slot *d* of the knob receiving the end of the hollow handle, as shown. When it is desired to support the umbrella, the rod C will be withdrawn from the hollow handle and its pointed end embedded in the sand or earth. Then, by giving the knob a slight twist, the pin or guide E may be removed from the transverse slot *c* and the knob adjusted to a position at a distance from the end of the rod C by causing the pin E to travel along the longitudinal slot. The hollow handle may now be placed upon the upper end of the rod C, the lower end of said handle resting upon the supporting-knob D. In this manner the umbrella will be firmly supported. Its arrangement may be quickly and easily effected at any time, and it will be conveniently held in an upright position.

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

1. In an umbrella-supporter, the combination of a hollow handle or stick, the removable rod therein, the adjustable device on said rod arranged to be held at certain points, so that when the rod is in the handle it may serve as a knob and when the rod is embedded in the ground it will serve as a rest for the handle, substantially as described.

2. The combination of the hollow handle, the removable rod having a pointed end and a longitudinal slot, and the adjustable knob on the handle having a pin entering said slot, substantially as described.

3. The combination of the hollow handle or stick, the removable rod having a pointed end and a longitudinal slot, at one end of which is a transverse slot, and the adjustable knob on the rod having a pin entering said slot and the circular groove to receive the end of the hollow handle when the rod is within the same, substantially as described.

4. The combination of the hollow handle A, the removable rod C, and the adjustable knob D, having pin E, adapted to enter a slot in the rod, substantially as described.

5. The combination of the hollow handle A, the rod C, having a pointed end *a* and the longitudinal groove *b* and transverse groove *c*, the adjustable knob D, having the pin E, adapted to enter the grooves, and having also the circular groove *d*, substantially as described.

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

HERBERT H. PATTEE.

Witnesses:
O. M. BALL,
FRED E. TASKER.