(No Model.)

J. T. SMITH.

UMBRELLA SUPPORT.

No. 350,781. Patented Oct. 12, 1886.

Fig. 1.

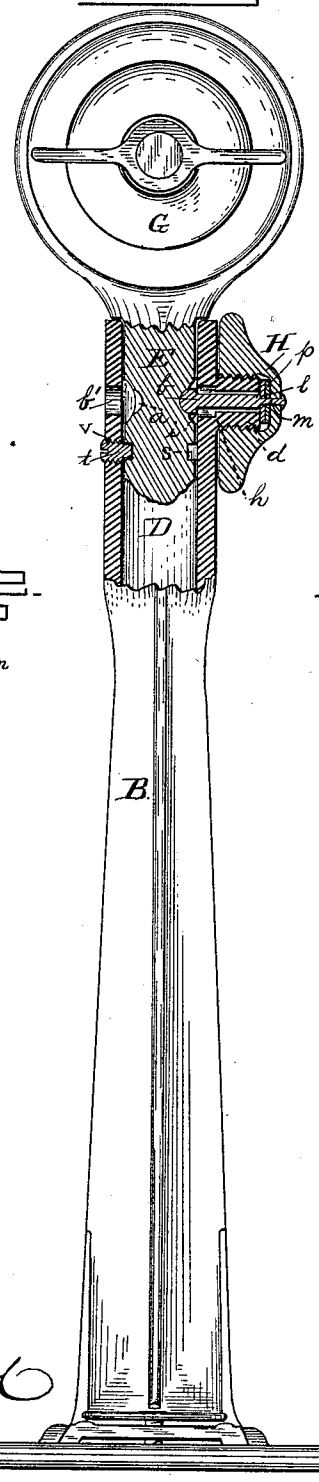


Fig. 2.



Fig. 3.



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UMBRELLA-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 350,781, dated October 12, 1886.

Application filed August 13, 1886. Serial No. 210,851. (No model.)

To all whom it may concern:

Be it known that I, JAMES THOMAS SMITH, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Umbrella-Supports; 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 that class of umbrella-supports forming the subjects of Patents Nos. 110,434, 123,380, and 159,795, of which I am the owner, although, as will be seen, my improvements have a much wider application.

My invention is illustrated in the accompanying drawings, in which Figure 1 is a front view in elevation, partly in section; and Figs. 2 and 3 details.

As in Patent No. 159,795, B is a standard, at the upper end of which is formed a sleeve or socket, D, in which is inserted a spindle, E, carrying an upright disk, G. In the spindle E are countersunk a series of recesses, *a a*, in a circle around the spindle. *b* is a pin, the inner end of which is pointed and rests in one of the recesses *a*. This pin passes through a boss, *d*, formed on the outside of the sleeve D, and which boss is provided with exterior screw-threads for the reception of a screw-cap, H.

Now, a part of my present invention consists in means for rendering the screw-cap or finger-piece H non-detachable. I have found that an annoying objection to the use of such umbrella-supports is the loss of this screw-cap, without which the joinder of the standard and the socketed spindle carrying the umbrella-support cannot be made secure. To this end I form a shouldered head, *i*, on the head of the pin *b*, and a shouldered socket, *h*, within the boss *d*, whereby, when the pin is placed within said boss, its head will set against the shouldered socket *h*. I also form a shoulder, *l*, on the opposite end, *m*, of the pin, and make that end smaller. I then pass this end of pin *b* through the head of the screw-cap, having first put one or two washers, *p*, over the pin, and rivet down the head *m* upon the screw-cap. Thus the screw-cap is rigidly secured to the pin *b*. It cannot be detached therefrom; nor by this construction can the pin *b* be removed, but at the same time the screw-cap is free to turn upon the boss *d*, carrying the pin *b* with it into one of the recesses *a*.

As a means for aiding the holding of the spindle E within the socket D, and also preventing the standard E from being lifted out of the socket by the action of the wind or other cause upon the umbrella when the pin *b* is not sufficiently forced into a recess *a*, I have formed a groove, *s*, near the bottom of the standard E, and into this groove I insert a pin, *t*, (shown in detail in Fig. 3,) the inner end of which is smooth, so that the grooved standard may be free to rotate therein, but not be lifted, and the opposite end of which pin is formed as a screw, so that it may be inserted in and screwed to the threaded eye *v* in the wall of the socket D.

Having thus described my invention, what I claim is—

1. A finger-piece having rigidly secured thereto a pin, *b*, provided with a shouldered head, *i*, substantially as and for the purpose described.

2. In combination with the standard E, provided with the countersunk recesses and the bottom groove, *s*, the socket D, in which said standard rests, the pin *b*, to engage with said recesses for preventing the standard E from rotating, and the fixed screw-pin *t*, engaging with said groove to prevent the standard from being lifted out, substantially as described.

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

JAMES THOMAS SMITH.

Witnesses:
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