(No Model.)

L. MORSE.

UMBRELLA.

No. 270,827. Patented Jan. 16, 1883.

Fig. 1.

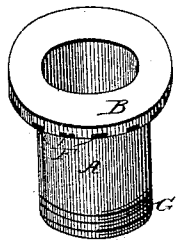


Fig. 2.

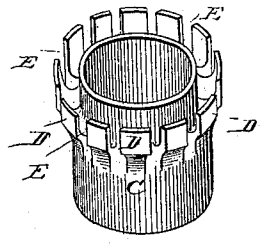


Fig. 3.

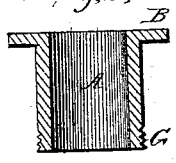


Fig. 4.

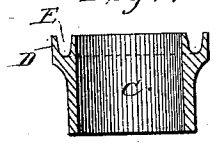


Fig. 5.

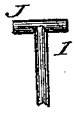


Fig. 6.

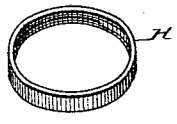
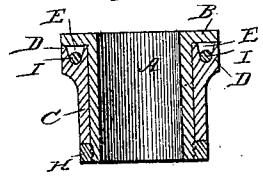


Fig. 7.



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UNITED STATES PATENT OFFICE.

LEVI MORSE, OF LITCHFIELD, PENNSYLVANIA.

UMBRELLA.

SPECIFICATION forming part of Letters Patent No. 270,827, dated January 16, 1883.

Application filed May 29, 1882. (No model.)

To all whom it may concern:

Be it known that I, LEVI MORSE, M. D., of Litchfield, in the county of Bradford and State of Pennsylvania, have invented certain new and useful Improvements in Umbrellas; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view of the inner sleeve of the runner. Fig. 2 is a perspective view of the outer sleeve of the same. Fig. 3 is a vertical sectional view of the inner sleeve. Fig. 4 is a vertical sectional view of the outer sleeve. Fig. 5 is a view of the end of one of the ribs. Fig. 6 is a perspective view of the ring for clamping the parts together, and Fig. 7 is a sectional view of the device complete.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to umbrellas; and it consists in certain improvements in the construction of the ribs, stretchers, and runners, by which the same may be conveniently hinged or connected detachably, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents the inner sleeve of an umbrella-runner constructed according to my improvement. Said sleeve is provided at its upper end with an annular flange, B.

C is the outer sleeve, which is fitted nicely around sleeve A, and provided near its upper end with a flanged rim, D, having a series of notches, E. The flange B of sleeve A may be provided with notches F to correspond with the notches E, as shown. The lower end of sleeve A is screw-threaded, as at G, to receive a clamping-ring, H, serving as a nut to hold the outer sleeve, C, in position when adjusted.

The ribs, one of which is shown at I, are provided at their ends with cross-pieces J, forming T-heads, by which they may be adjusted or hinged in the notches E of the flanged rim D of the outer sleeve, C.

The operation of my invention will be readily understood. By loosening the clamping-ring the sleeves may be drawn slightly apart, so as to permit the ribs to be inserted or detached. By tightening the clamping-ring the sleeves are forced together and the ribs held securely between the flanges C D.

Other means than the clamping-ring H may be employed for securing the sleeves together without deviating from the spirit of my invention.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination, as described, of the sleeve A, having flange B and screw-thread G, the sleeve C, having flanged rim D, provided with notches E, and the ribs I, having cross-pieces J, forming T-heads, for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

LEVI MORSE.

Witnesses:

JOSEPH HINES,

I. E. LENGER.