

*S. B. Bushfield Jr,
Folding Umbrella.*

No 95,080.

Patented Sep 21 1869.



Witnesses:

Witnesses
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Inventor

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per
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Aug 8

United States Patent Office.

S. B. BUSHFIELD, JR., OF PARKERSBURG, WEST VIRGINIA.

Letters Patent No. 95,080, dated September 21, 1869.

IMPROVEMENT IN FOLDING-UMBRELLAS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, S. B. BUSHFIELD, Jr., of Parkersburg, in the county of Wood, and State of West Virginia, have invented certain new and useful Improvements in Folding-Umbrellas; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction of an umbrella which can be folded up into a very small compass, in order to make it more convenient for transportation.

The accompanying drawing represents a side elevation of my umbrella, part of the cover being removed so as to show the action of the braces.

Letter A represents the handle, which is jointed at the point *a*, so that it can be doubled up like the handle of a parasol, into one half its length.

To a cap, M, near the top of the handle, are secured the ribs B, upon which the cloth is stretched, and which are provided with a joint near their middle, so that they can be folded out and upward so as to reduce their length.

These joints C may either be the ordinary knuckle-joint; or, in order to give them greater strength, each one may be provided with a small hook or spring, *e*, attached to the upper part of the rib, which catches in the lower part, and serves as a brace to it.

Moving up and down upon the handle, is the double slotted runner D, to the top of which there are pivoted the stretchers G, by means of which the ribs are extended or closed. The outer ends of the stretchers being hinged to the ribs, by drawing the cylinder downward, the stretchers, from a vertical, are made to assume a horizontal position, causing the ribs to spread outward.

The handle is provided with two hooks or catches, H and K, one being placed up above the middle joint, while the second is placed at the bottom. The upper

catch H has its end bent so as to form a hook, which extends outward through the slot in the side of the cylinder. Around the top of this cylinder, there is a ring, *c*, passed, which catches in the top of this hook, and retains the cylinder in position.

When it is desired to pack the umbrella away in a trunk or carriage, it can be folded up to one half its length, as described, and secured in that position by means of the cord L, which is secured to the inside of the cloth, but which, when the umbrella is folded up, will come upon the outside.

For ordinary use, the umbrella is used and managed like the common ones, by simply drawing the cylinder D downward until the hook K catches in one of its slots and holds it there, the stretchers G preventing the handle from bending at the joint.

Upon the top of the handle there is placed a metal cap, M, to which the cloth and the ribs B are attached, and which has a circular opening, N, formed in its bottom, into which the top of the cylinder D, and the inner ends of the stretchers G, fit, so as to further secure the folding of the umbrella; and to hold the stretcher more firmly in place while it is folded.

This improvement is also designed to be applied to parasols.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination and arrangement of the handle A, bisected ribs B B, braces G G, cylinder D, springs H K, and metal cap M, with its annular recess or opening N, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 5th day of July, 1869.

S. B. BUSHFIELD, JR.

Witnesses:

G. W. THOMPSON, Jr.,

H. C. JACKSON.