

S. Wright.
Umbrella & Cane Combined.

Nº 5500.

Fig. 1.

Patented Apr. 11. 1848.

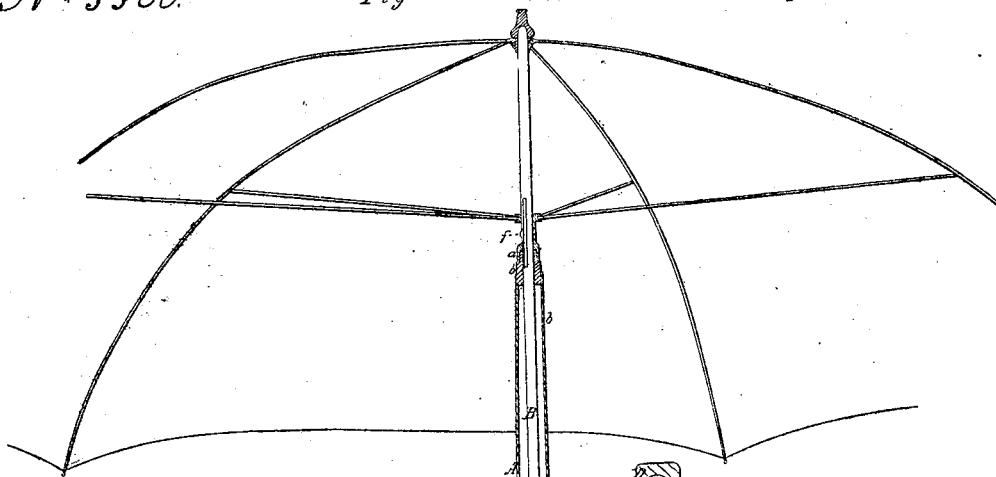


Fig. 3.

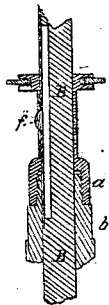
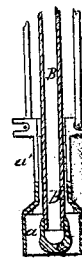


Fig. 2.



Fig. 4.



UNITED STATES PATENT OFFICE.

SAMUEL WRIGHT, OF PHILADELPHIA, PENNSYLVANIA.

CANE-UMBRELLA.

Specification of Letters Patent No. 5,500, dated April 11, 1848.

To all whom it may concern:

Be it known that I, SAMUEL WRIGHT, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in the Manner of Constructing a Combined Umbrella and Walking-Cane; and I do hereby declare that the following is a full and exact description thereof. I am aware that umbrellas have long since been made in such manner as to be contained within a tube made of thin sheet metal, or other light material of which tubes are made for various purposes, said tubes constituting a walking stick, or cane; and also that Letters Patent were granted in England for a device of this kind on the 13th of July 1838, as appears by a publication thereof in the Repertory of Patent Inventors, vol. 11th, page 283. I do not intend, therefore, in the specification to claim to be the inventor of said combination, but only to an improvement in the manner of carrying the same into operation.

In the accompanying drawing Figure 1, is a sectional representation of my improved combined umbrella opened out, and Fig. 2, represents, in section, the umbrella inclosed within the tube, or walking cane.

A, A, is the tube; B, B, the rod, or wire, which constitutes what is commonly called the "stick" of the umbrella. This may be made of iron wire, but for lightness I frequently make it tubular below that part that contains the spring. The spreaders, or ribs, may be made of steel wire, or other suitable material, as may also the stretchers. The top wheel to which the ribs are attached is of the usual kind, but the runner is furnished with a female screw at its lower end, for the purpose of attaching it to a male screw on the lower end of the tubular case, in a manner to be now described.

Fig. 3, is a section of the runner, and of that part of the "stick" B, which contains the spring, drawn of the full size; *a*, is the female screw on the lower part of the runner; and on the lower part of the ferrule *b*, there is a corresponding male screw, the two being represented as screwed together in Fig. 1. The "stick" B, has a head of ivory, or other substance *c*, screwed on to it, and which may be taken hold of, when the head D, of the walking cane is unscrewed for the purpose of withdrawing the umbrella from the tube. The head *c*, of the stick, adapts the umbrella to being used in-

dependently of the tubular walking cane, but it is also adapted to be used with said cane as a handle; for this purpose the ferrule *b*, is made tubular, having a hole *d*, (Fig. 2) drilled through it of a size adapted to the receiving of the stick B, from which the head *c*, may be unscrewed, and the "stick" will then pass into the tube A, as shown in Fig. 1, and when so passed in the runner *c*, and the cane are to be screwed together, an iron thimble *e*, is screwed on to the ferrule *b*, and forms a solid end to it when the instrument is used as a walking cane; when the "stick", is passed into the tubular cane as in Fig. 1, said cane becomes the handle of the umbrella.

When it is desired to allow this umbrella to swivel, or turn around in the cane A, which will enable it to escape the more readily from any object with which it may be brought into contact, I attach a swiveling end, or ferrule, to the lower part of the runner as shown in the section Fig. 4, where *a* is a male screw similar to that so lettered in Fig. 3, and this is attached to the part *a'* so as to swivel, or turn upon it.

The catch *f*, of the spring which passes into a mortise in the runner is so formed as to check, and hold the runner both from raising, or descending its upper and lower ends being both made square; and this is necessary to the proper action of the instrument, as it is intended that the runner should be capable of passing in both directions. By relieving the runner from the catch it may be drawn down, and the umbrella be lowered in the usual way, preparatory to its being inserted in the tube; but by pushing the runner up toward the wheel, pushing the runner up toward the heel, or cap, of the umbrella, it may be lowered also, the ribs and cover falling upon the tubular cane, so that it may be instantaneously reopened.

From the manner in which this umbrella is constructed, it is capable of being confined within a cane three or four inches shorter than such as have been heretofore made, and which have been inconveniently long. The tubular case, or cane, when made of thin sheet metal, I some times cover with thin cotton cloth, saturated with shellac, and grain it in imitation of wood, or otherwise.

Having thus fully described the manner in which I construct my combined umbrella and walking cane, and shown the arrange-

ment and use of the respective parts thereof, what I claim therein as new and desire to secure by Letters Patent, is—

1. The manner in which I connect the umbrella and cane, when the latter is used as a handle to the former, which I effect by perforating the ferrule *b*, so that the "stick" may pass through it, and into the tube *A*, there being a female screw on the runner, and a corresponding male screw on the ferrule, to unite the two firmly together, as described.

2. I also claim the forming of the catch *f*, of the spring of an umbrella, so as to hold in the mortise or slot in the runner with equal firmness at its upper and lower end, by which the umbrella is checked from being inverted by the wind, while the runner may be readily slid upward when it is desired to close the umbrella on the tube.

SAMUEL WRIGHT.

Witnesses:

JOS. HARVEY,

WM. M. HURLBUT.