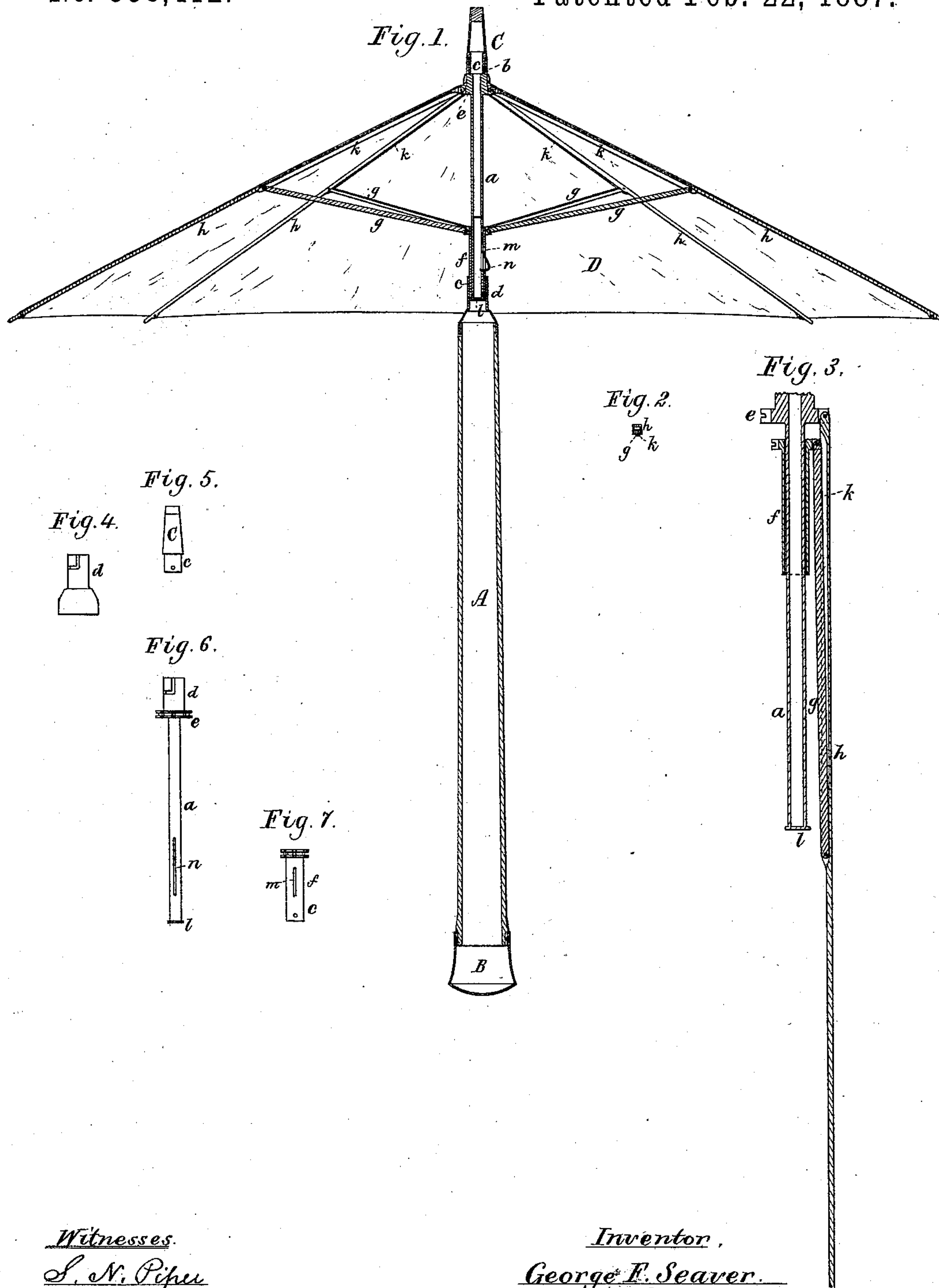


(No Model.)

G. F. SEAVER.
CANE UMBRELLA.

No. 358,412.

Patented Feb. 22, 1887.



Witnesses.
S. N. Piper
Re. J. Torrey.

Inventor.
George F. Seaver.
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UNITED STATES PATENT OFFICE.

GEORGE FREEMAN SEAVER, OF DOVER, NEW HAMPSHIRE, ASSIGNOR, BY
DIRECT AND MESNE ASSIGNMENTS, OF ONE-HALF TO HENRY S. JACKSON
AND JAMES W. O'BRIEN, BOTH OF BOSTON, MASSACHUSETTS.

CANE-UMBRELLA.

SPECIFICATION forming part of Letters Patent No. 358,412, dated February 22, 1887.

Application filed December 16, 1886. Serial No. 221,738. (No model.)

To all whom it may concern:

Be it known that I, GEORGE FREEMAN SEAVER, of Dover, in the county of Strafford, of the State of New Hampshire, have invented
5 a new and useful Improvement in Cane-Umbrellas; and I do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

10 Figure 1 is a longitudinal section of a combined interchangeable cane and umbrella provided with my invention, the nature of which is defined in the claim hereinafter presented. Fig. 2 is a transverse section, and Fig. 3 a longitudinal section, of one of the ribs and its
15 brace or stretcher in their condition when the umbrella is closed, the rib being grooved or channeled lengthwise to receive the brace throughout its length, or thereabouts, to enable the two when folded together to take up
20 less room than would be the case were they to butt together side by side in the ordinary way. Fig. 4 is a side view of the smaller end portion of the cane-body. Fig. 5 is an elevation of the top. Fig. 6 is a side view of the
25 umbrella-stick, and Fig. 7 is a side view of the runner of such stick.

The umbrella on which my invention is based is composed of certain essential elements or parts—viz., a tubular cane-body, its
30 cap or larger end closer, and an umbrella and its tip, the tip being separable from the cane.

The umbrella, after being separated from the cane-body, is to be folded and introduced end
35 foremost into the latter, after which the cap or cover is to be applied and affixed to the said cane-body. Such an umbrella is shown and described in the United States Patent No. 3,346; but it differs from mine in having its brace-
40 runner stick permanently fastened to and extended from the cane-body at its lesser end, and screw-threaded at its outer end to connect it with the rib-supporting annulus, in which case the tip, when the umbrella was out of and
45 in connection with the cane, was entirely disconnected from either and liable to be lost, such tip when in use encompassing and being screwed on the stick. In my cane-umbrella the stick is permanently connected with the

sustaining-ring, to which the ribs are hinged, 50 and remains within the umbrella when it is closed and inserted within the cane, the tip being at the time secured to the end of the cane, such tip, while the umbrella is open and attached to the cane at its lesser end, being 55 projected from and connected to the stick of the umbrella.

In the drawings, A denotes the tubular cane-body, B its cap, C the tip, and D the umbrella, such cap and cane-body at the larger end of 60 the latter being provided with a "bayonet-connection," or having the cap screwed on the cane-body. The tip is capable of being connected with either the smaller end of the cane-body or with the outer end of the stick, and 65 the runner of such stick, at its inner or lower end, is capable of being connected with the cane-body at its lesser end—that is, the stick *a* has at its upper end the female or socketed part *b* of a bayonet-connection, and at its lower 70 end it is flanged or has a head, *l*, to prevent the runner *f* from sliding off it, (the stick.) Such runner at its lower part has to it the male portion *c* of a bayonet-connection, while the cane-body at its lesser end has a like fe- 75 male part, *d*, and the tip is provided with a like male part, *e*, of a bayonet-connection. In some cases, instead of such bayonet-connections, I have the tip to screw upon the stick at its upper end, and also upon the cane-body 80 at its lesser end, the stick *a* being inseparable from the rib-sustaining annulus *e*. The runner *f* is a sleeve that slides on the stick, such runner being slotted, as shown at *m*, to receive, when the umbrella is open, a spring-catch, *n*, 85 extending from the stick. The braces *g* are hinged to the runner and to the ribs *h*, such ribs at the upper ends being hinged to the supporting-ring *e*, which encompasses and is firmly fastened to the stick. Each rib, between its 90 upper end and its connection with its brace, is channeled or grooved, as shown at *k*, to receive, as described, such brace or stretcher when the umbrella is closed.

From the above it will be seen that when 95 the umbrella is open its runner may be coupled with the lesser end of the cane-body, and the tip may be coupled with the upper end of the

stick; also, that after uncoupling the said parts the umbrella may be closed and introduced into the bore of the cane-body, and the cap and the tip may be coupled with such
5 body. Thus the whole may be used as a walking-cane or as an umbrella, as occasion may require, the umbrella, when the apparatus is used as a cane, being stored within the body A.

I do not claim a combined cane and umbrella made as represented in the aforesaid
10 patent.

I claim—

The combination of the tubular cane-body provided at one end with the removable cap,
15 the umbrella having its stick permanently fixed to the sustaining-ring of the several ribs

and at the other end a stop which prevents the runner from slipping off of said stick with a tip, the said runner and cane-body having at their meeting ends the interlocking parts of a
20 separable joint, the upper end of the stick and the tip, and the upper end of the cane-body and the tip, also having interlocking parts of separable joints, whereby the tip can be secured to both the upper end of the cane-
25 body and stick and the umbrella can be secured to the upper end of the cane-body, as set forth.

GEORGE FREEMAN SEAVER.

Witnesses:

ROSCOE G. KILHAM,

GEORGE F. SEAVER, Jr.