H. FALCINA.

UMBRELLA.

No. 192,496. Patented June 26, 1877.

FIG. 2.

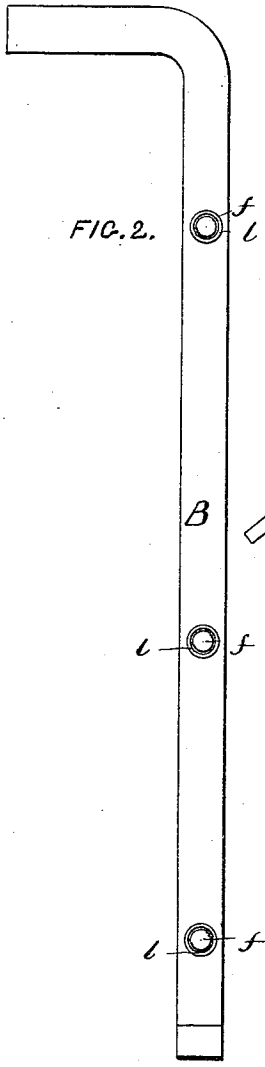


FIG. 1.

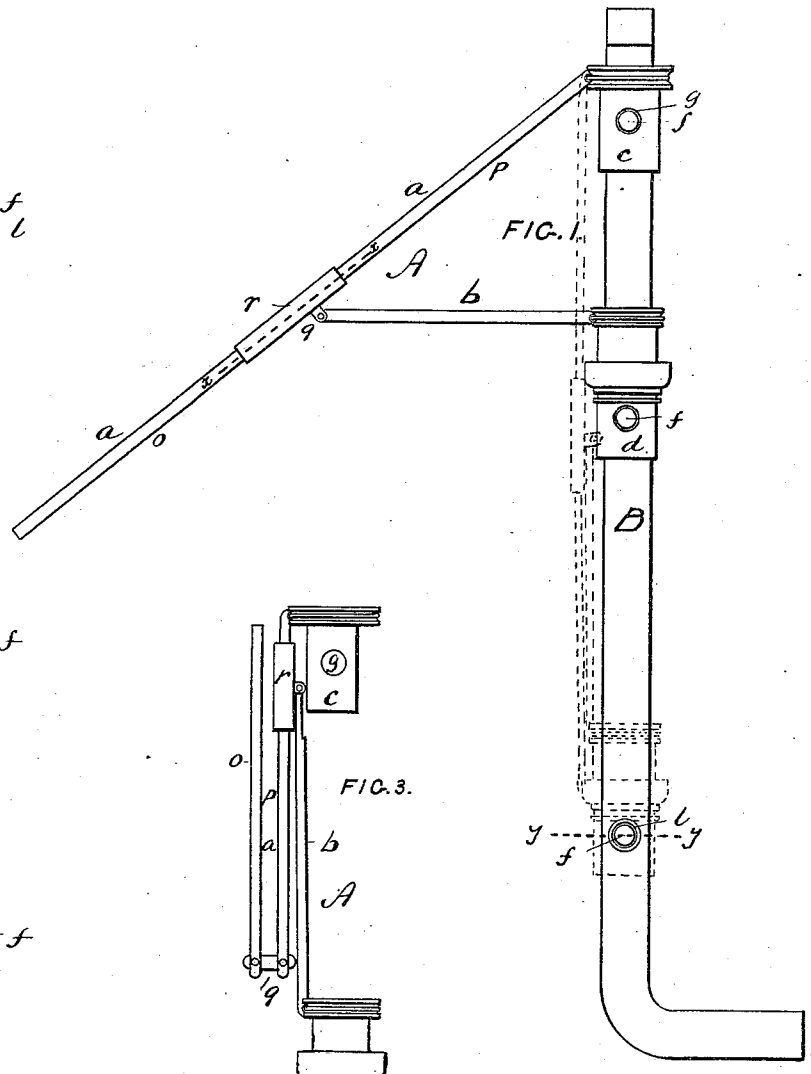


FIG. 3.

FIG. 4.

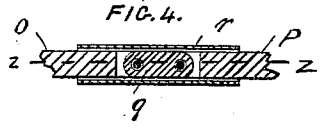
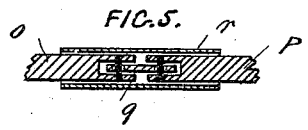


FIG. 5.

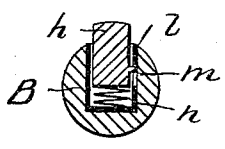


WITNESSES.

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FIG. 6



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HENRY FALCINA, OF CAMBRIDGE, MASSACHUSETTS.

IMPROVEMENT IN UMBRELLAS.

Specification forming part of Letters Patent No. **192,496**, dated June 26, 1877; application filed April 11, 1877.

To all whom it may concern:

Be it known that I, HENRY FALCINA, of Cambridge, in the county of Middlesex and State of Massachusetts, have invented an Improvement in Umbrellas, of which the following is a specification:

The main purpose of this invention is to combine the canopy-frame with the stick of an umbrella in such manner that it can be readily attached and detached, so that the stick, when so desired, may be used either with or without the canopy-frame, thus rendering it serviceable for a twofold purpose—to wit, as an umbrella and as a walking stick or cane.

The improvements will be fully hereinafter described, and a preliminary explanation is, therefore, deemed unnecessary.

In the accompanying plate of drawings my invention is illustrated by a representation of one rib of the canopy-frame and the stationary and sliding sleeves or ferrules and stick of an umbrella-frame—

Figure 1 being a view thereof, with the canopy-frame opened, and by dotted lines shown as closed; Fig. 2, a view of the umbrella-stick, with the canopy-frame detached, and as adapted for a walking stick or cane; Fig. 3, a view of the canopy-frame detached and as folded; Fig. 4, a detail section on line *x x*, Fig. 1; Fig. 5, a detail section on line *z z*, Fig. 4; and Fig. 6 a detail section on line *y y*, Fig. 1.

In the drawings, A represents the canopy-frame, and B the stick to an umbrella; *a*, the ribs; *b*, the braces; *c*, the top sleeve, and *d* the sliding sleeve of the canopy-frame, all of which are arranged together and applied to the umbrella-stick B, as usual, except as to the features of this invention which will be now described.

f a spring catch or stop arranged in umbrella-stick B, and in a position to interlock with the aperture *g* of the top sleeve *c* to the canopy-frame A, so as to secure said sleeve in position on the stick B, and from which stick it can be detached by relieving the interlock of the catch *f* with its aperture *g*, thereby leaving the canopy-frame, provided the catch for its sliding sleeve *d* is unfastened, free to be detached from the stick, should it be desired to use the stick simply as a walking stick or cane.

The spring-catch *f* consists of a plug, *h*, playing in and out of a case, *l*, wherein it slides by a slot-and-pin connection, *m*, and it is forced outwardly by a spiral spring, *n*. (See Fig. 6.)

A similarly-constructed catch, *f*, is employed for the sliding sleeve *d* of the canopy-frame; but, obviously, in either and both cases, any of the well-known catches may be used, the one described being preferable, however.

Each rib *a* of the canopy-frame A is in two parts, *o* and *p*, connected together by a link-joint, *q*, which is covered by a sleeve, *r*, to which the brace *b* is hung. The sleeve *r* holds the rib at its joint firmly in its proper position when the canopy-frame is opened out for use, and if the canopy-frame be detached by sliding the sleeve *r* off of the joint *q* of the rib *a*, and along the rib to the stationary sleeve *c*, the whole canopy-frame can be thereby most completely folded, all as shown in Fig. 3.

I do not claim, broadly, an umbrella or canopy attached to a stick or cane in such manner that it can be removed or replaced at will, said umbrella or canopy having jointed ribs, which, when extended, are made rigid by means of sleeves sliding over the joints, said sleeves being attached to the stretchers.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The cane B, provided with plugs *h*, cases *l*, and springs *n*, for operation, in combination with the canopy-frame A, constructed with the top ferrule *c* and sliding sleeve *d*, each having openings *g*, with which the plugs *h* engage, substantially as and for the purpose described.

HENRY FALCINA.

Witnesses:
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GEO. H. EARL.