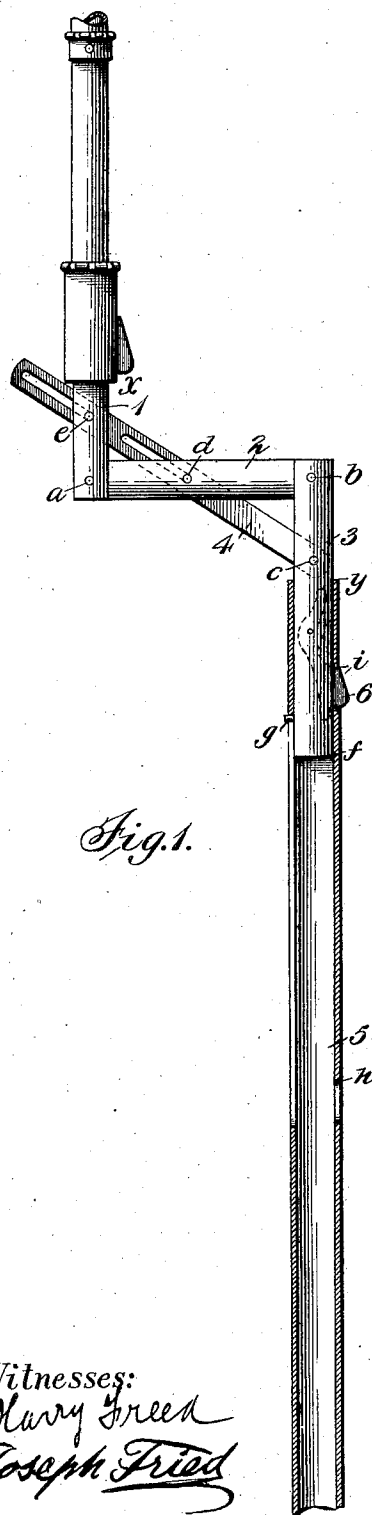


No. 845,742.

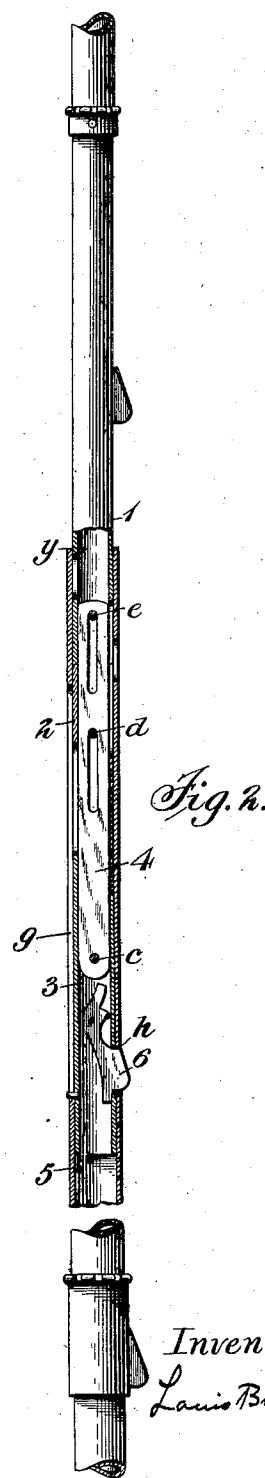
PATENTED MAR. 5, 1907.

L. BERGER.
UMBRELLA ROD.

APPLICATION FILED NOV. 3, 1905.



Witnesses:
Harry Green
Joseph Fried



Inventor:
Louis Berger

UNITED STATES PATENT OFFICE.

LOUIS BERGER, OF NEW YORK, N. Y.

UMBRELLA-ROD.

No. 845,742.

Specification of Letters Patent.

Patented March 5, 1907.

Application filed November 3, 1905. Serial No. 235,783.

To all whom it may concern:

Be it known that I, LOUIS BERGER, a citizen of the United States, residing at No. 149 East One Hundred and Twenty-first street, in the borough of Manhattan, city of New York, State of New York, have invented a new and useful Umbrella-Rod, of which the following is a specification.

My invention is what I would call an "extension" umbrella-rod.

The purpose of it is that the person carrying one of them should be enabled to stand directly under the center of the cover, and thus be afforded protection from the rain on all sides equally. Less than one-half of the umbrella as constructed to-day serves the purpose for which it is intended, as the wearer must necessarily stand either on one side or the other or behind the umbrella-rod. The side under which he stands is the only side of the umbrella which shields him from the rain, while the other parts thereof protect the street only. The wearer gets drenched on one shoulder and arm, or on the back, or in both places.

This invention is particularly useful for ladies who wear broad hats. The broad hat prevents her from bringing the umbrella-rod close to her head, and consequently she gets drenched on one side and on the back, while the other side and her head only get some protection; but if the wearer could get the rod out of his way and stand under the center of the cover he would remain dry on all sides.

The accompanying drawing illustrates the umbrella-rod which will attain this object.

Figure 1 shows the rod as it is when the umbrella is open and extended. Fig. 2 shows it as it is when the umbrella is closed, or rather shows the rod as it is when not extended, as the umbrella may also be used without extending it.

The parts 1 2 3 are joined together by means of short studs at *a* and *b* and, together with part 4, form the extension.

Part 4 is a brace which begins at and is fastened by a stud into part 3 at *c*. Thence it runs diagonally upward through part 2 and is held there in position by a stud through part 2 and through a slot in part 4 at *d*. Thence it continues upward on the same line through part 1 and is held there in position also by a stud through part 1 and the other slot in part 4 at *e*. The studs at *d* and *e* are thick enough to fit closely and yet loosely into the

slots in part 4, so that the studs slide smoothly up and down in the slots as the rod is opened and closed. When the rod is extended, as in Fig. 1, these studs rest solidly against part 4 at the ends of the slots, giving the extension a firm support. Part 3 reaches down along the broken lines to the point marked *f* in part 5. Part 5 is a steel tube, into which parts 1, 2, and 3 fit closely. Part 6 is a spring fastened inside of part 3 and having a hook on the end which comes through an opening in part 5 at *i* and holds the extension up. At the place marked *g* there is a pin fastened in part 3 and protrudes through the long slot in part 5. This pin keeps the extension from turning or revolving as it slides up and down in part 5.

To operate this umbrella is just as simple as it is to operate an ordinary one. To close this umbrella, the same hand that presses in the upper spring for the purpose of releasing the frame and closing the umbrella at the same time lifts part 1 (one) upward and the extension straightens itself. Part 4 then lies straight along the inside of parts 1 2 3. Now the slide that holds the frame is sliding downward as the umbrella is closing. When the slide reaches part 6 at *i*, the latter is pressed in by the slide itself. Part 3 is then released, and the whole extension then slides down into part 5 as far as *x*. Since the total length from *x* to *y* is equal to the distance between *i* and *h*, part 6 now springs through the opening in part 5 at *h* and holds the umbrella securely together. To open this umbrella will be just as simple. Press in part 6 at *h*, (just as has to be done on the ordinary umbrella,) release the slide that holds the frame and raise up as high as it will go, press lightly downward, and the extension will come down. If, however, the wearer does not desire to carry the umbrella extended, he may let the extension slide back into part 5 and carry a straight rod.

I am aware that umbrella-rods have been made heretofore.

I claim—

1. An umbrella-stick comprising three members jointed together, and provided with slots, the slots in the two upper members piercing the stick, a brace member pivoted to the lower of said members adapted to lie within said slots and having guide-slots, pins in the two upper members at the point where said slots pierce the members, said pins passing through the corresponding

guide-slots and resting against their lower ends when the joints are flexed to support the parts in their flexed condition.

2. An umbrella-stick comprising a tube
5 having three slots, an inner member consisting of three parts jointed together, and sliding within said tube, a brace member lying in slots in said jointed parts and adapted to support
10 said jointed members, one at right angles to the lower part and the third parallel thereto and offset therefrom, a pin in the lower jointed part projecting through one of said slots and sliding therein; a spring-pressed
15 lug in said lower jointed part and coacting with the other two slots to sustain said inner member in an elevated or depressed position.

3. An umbrella-stick comprising a tube,

an inner member projecting from said tube and adapted to slide therein, and consisting of three parts pivoted together, a brace mem- 20
ber lying in slots within said jointed members and piercing two of said jointed parts, a pivot attaching one end of said brace member to one of the pivoted parts, pins piercing
25 the other two jointed parts and working in guide-slots in said brace member, and a spring-pressed lug in the lower jointed part adapted to engage slots in said tube and to retain said inner member in an elevated or depressed position.

LOUIS BERGER.

Witnesses:

HARRY FREED,
JOSEPH FRIED.