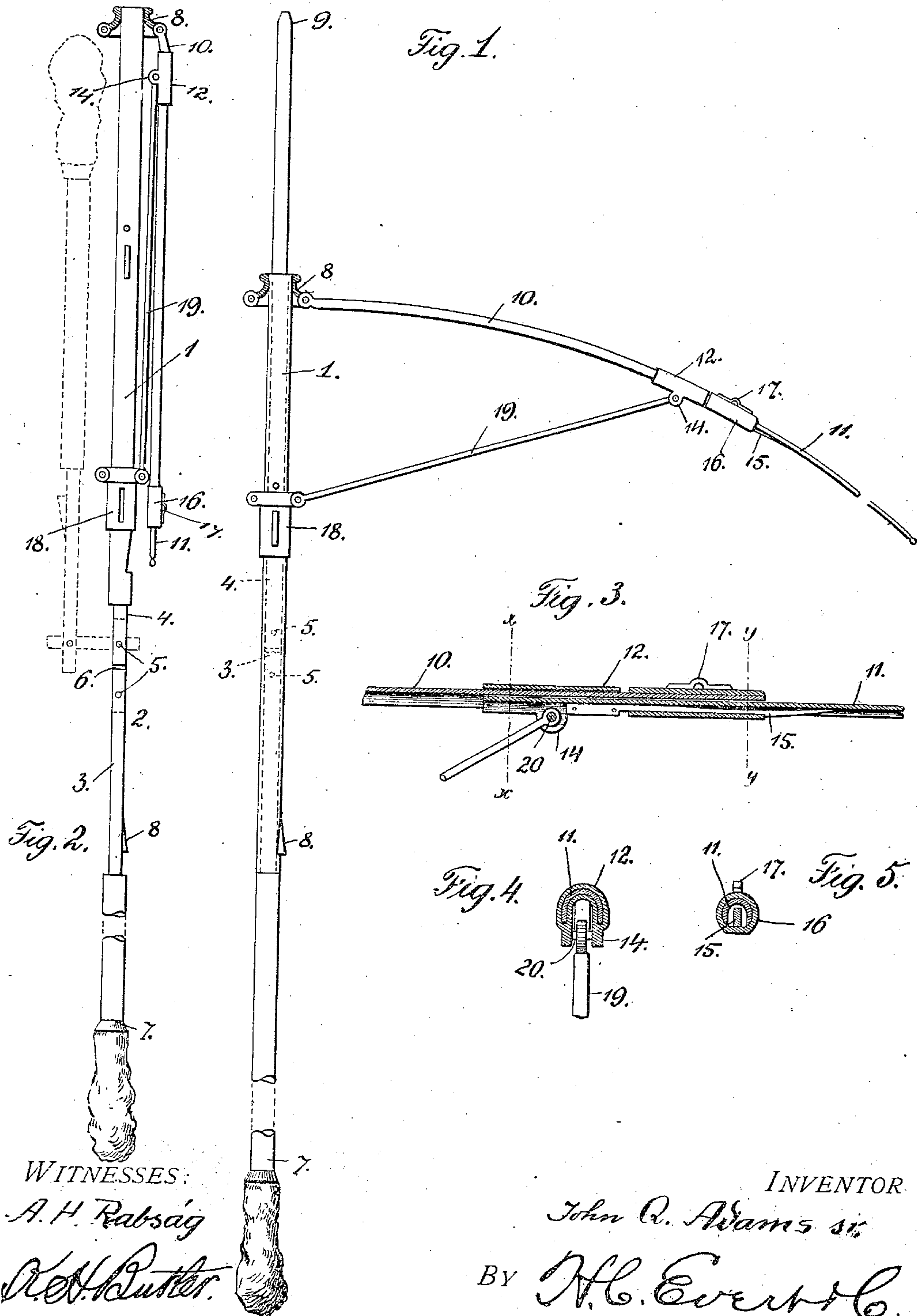


No. 855,214.

PATENTED MAY 28, 1907.

J. Q. ADAMS, SR.  
FOLDING UMBRELLA.  
APPLICATION FILED FEB. 26, 1907.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

JOHN Q. ADAMS, SR., OF ALLEGHENY, PENNSYLVANIA.

## FOLDING UMBRELLA.

No. 855,214.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed February 26, 1907. Serial No. 359,425.

*To all whom it may concern:*

Be it known that I, JOHN Q. ADAMS, Sr., a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Folding Umbrellas, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to folding umbrellas, and the invention has for its object to provide a simple and inexpensive umbrella that can be easily and quickly folded into small form convenient for carrying in a coat pocket, or traveling bag.

Another object of this invention is to provide a strong and durable, and serviceable folding umbrella wherein a novel construction is employed for collapsing an umbrella without injuring the cover thereof.

With the above and other objects in view, the invention consists in the novel construction, combination and arrangement of parts to be hereinafter more fully described, and then specifically pointed out in the appended claims, and referring to the drawing forming a part of this specification, like numerals of reference designate corresponding parts throughout the several views, in which:—

Figure 1 is a side elevation of my improved umbrella in a raised position, Fig. 2 is a similar view of the umbrella in a closed position and partly folded, Fig. 3 is a longitudinal sectional view of one of the ribs of my improved umbrella, Fig. 4 is a cross sectional view taken on the line  $x-x$  of Fig. 3, and Fig. 5 is a similar view taken on the line  $y-y$  of the same figure.

To put my invention into practice, I construct an umbrella of a handle rod comprising two telescopic sections 1 and 2, the section 2 being made in two parts 3 and 4 adapted to slide into the tubular section 1 of the umbrella. The parts 3 and 4 are pivotally connected together, as at 5, by a plate 6. The part 3 of the section 2 carries a handle 7 and is provided with a conventional form of clasp 8, while the upper end 9 of the section 4 forms the tip of the umbrella when the same is being used.

The upper end of the tubular section 1 is provided with a notch 8 to which are pivotally connected the main cover supporting ribs of my improved umbrella. In the illus-

tration of my umbrella I have simply shown one set of ribs, in order that the invention can be clearly understood.

The main ribs of the umbrella are made in two sections 10 and 11, said sections being substantially channel-shaped with the outer sections 11 slightly smaller whereby they will slide into the inner sections 10. The inner end of which section 11 is formed with a channel-shaped sleeve 12 having depending pierced side lugs 14 and an outwardly extending notched spring 15. The sleeves 12 are adapted to slide upon the sections 10; and to guide the sections 11 carrying said sleeve, I provide the outer end of the sections 10 with a sleeve 16, carrying an eye 17 in order that the cover of the umbrella can be secured to the main ribs.

Slidably mounted upon the section 1 of the handle rod is a runner 18, to which the inner ends of the stretchers 19 are pivotally connected, the outer ends thereof being pivotally connected to the lugs 14 by the pin 20. The sections 11 of the main ribs are held in extended position by the notched spring 15 engaging the outer end of the sleeve 16, as illustrated in Fig. 3 of the drawings, so when it is desired to fold the umbrella it is necessary that the spring 15 be pressed inwardly to clear the sleeve 16 and allow the section 11 to be pushed into the section 10. The next step of folding the umbrella is to press upon the clasp 8 and relieve the section 2 within the section 1. The section 2 is then pulled outwardly until the connection of the parts 3 and 4 is below the lower end of the tubular section 1. The part 3 is then folded upwardly parallel with the tubular section 1, as illustrated in dotted lines of Fig. 2 of the drawings. In pulling outwardly upon the section 2, the tip of the umbrella has been withdrawn into the tubular section, thus forming a small compact parcel.

Besides securing the cover to the eyes 17, it will be understood that the cover is also secured to the notch 8 and to the outer ends of the sections 11 of the main ribs of the umbrella.

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

In a folding umbrella, the combination with a foldable telescopic stick, a notch carried by the stick, a runner slidable on the stick, and a rib comprising an inner and an

outer section, the outer section having an integral sleeve through which the inner section is received, said sleeve provided with lugs, stretchers pivotally connected at their  
5 outer ends to said lugs and at their inner ends to said runner, a sleeve integral with the outer end of said inner section and through which the outer section is received, a spring carried by the sleeve of the outer section extending through the sleeve of the inner section having a notch to engage with the outer  
10 end of the sleeve carried by said inner sec-

tion, said inner and outer sections of the rib being substantially channel-shaped in cross section, and the sleeve carried by the  
15 outer section having a substantially channel-shaped groove which receives the said inner section.

In testimony whereof I affix my signature in the presence of two witnesses:

JOHN Q. ADAMS, SR.

Witnesses:

MAX H. SROLOVITZ,  
K. H. BUTLER.