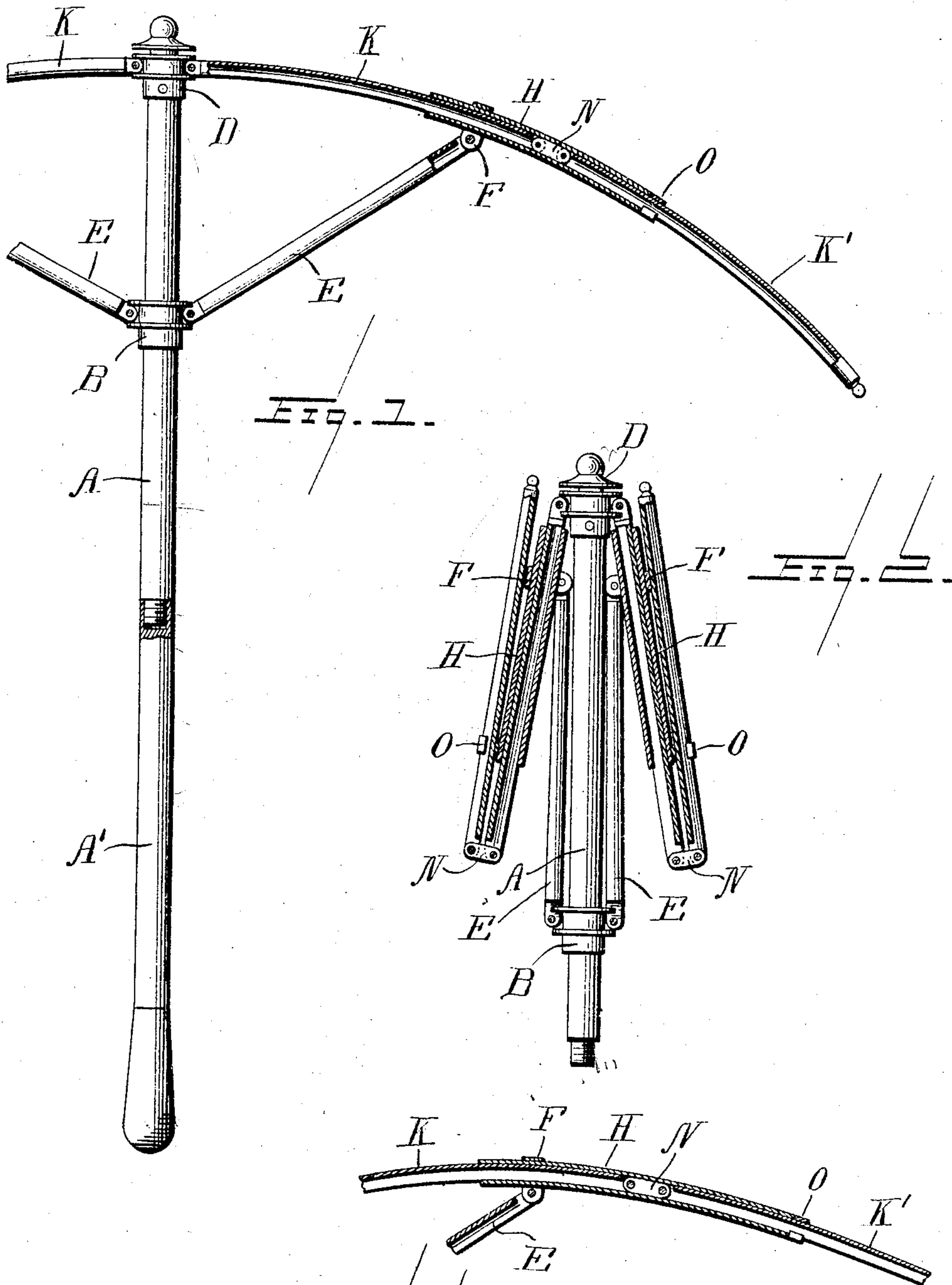


No. 782,744.

PATENTED FEB. 14, 1905.

C. P. FUNK.
FOLDING UMBRELLA.
APPLICATION FILED NOV. 19, 1904.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CAPTAIN PERRY FUNK, OF JEROMEVILLE, OHIO.

FOLDING UMBRELLA.

SPECIFICATION forming part of Letters Patent No. 782,744, dated February 14, 1905.

Application filed November 19, 1904. Serial No. 233,497.

To all whom it may concern:

Be it known that I, CAPTAIN PERRY FUNK, a citizen of the United States, residing at Jeromeville, in the county of Ashland and State of Ohio, have invented certain new and useful Improvements in Folding Umbrellas; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in folding umbrellas; and the object of the invention is to produce a device of this character in which the ribs are adapted to be folded into a compact space, rendering the umbrella capable of being reduced to a small compass for convenience in transportation, &c.

The invention consists, further, in various details of construction and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings—

Figure 1 is a side elevation of my improved umbrella, parts of the same being shown in section. Fig. 2 is a detail view of the umbrella folded, and Fig. 3 is an enlarged detail sectional view through the folding rib.

Reference now being had to the details of the drawings by letter, A and A' designate the sections of a stick, which may be connected together in any suitable manner, not forming a part of the present invention. The stick of the umbrella is provided with a suitable runner B and a notch D. The stretchers E are pivotally connected at their inner ends to the runner B, and their outer ends are pivotally connected to a collar F, which is fastened in any suitable manner to the curved tubular portion H, designed to telescope over the meeting ends of the rib-sections K and K'. Said rib-sections K and K' are pivotally connected together by means of a link N. (Shown clearly in the sectional view of the

drawings.) The inner ends of the sections K of the ribs are pivotally connected in the usual manner to the notch D, as shown. The extent to which the sections K' of the ribs are allowed to telescope within the tubular portion H is determined by the lug O, one of which is secured to each of the sections K' and against which the end of the tubular portion is adapted to contact, as shown in Fig. 3 of the drawings. When the rib-sections are adjusted in the manner illustrated in Fig. 3 of the drawings, it will be observed that the link N, connecting the rib-sections, is substantially in the center of the tubular portion H and the rib-sections securely held one in alinement with the other.

In folding the umbrella the tubular portion is moved from over the pivotal connection between the rib-sections, and the outer sections K' may be readily folded back in the position shown in Fig. 2 of the drawings.

While I have shown a particular detailed form of umbrella-frame illustrating my invention, it will be understood that I may vary the details of construction of the same, if desired, without in any way departing from the spirit of the invention.

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

A folding umbrella comprising, in combination with a sectional stick, a notch secured to one of the sections of the stick, ribs having link connections, one of said rib-sections being pivotally connected to said notch, an open-ended tubular member adapted to telescope over the link connecting the sections of the rib, a collar surrounding said tubular member, a lug upon said collar, a pin carried by said lug, a stretcher pivotally connecting said pin with said runner, a lug mounted upon the outer section of said rib and against which said tubular member is adapted to contact to limit the throw of the latter in one direction, as set forth.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

CAPTAIN PERRY FUNK.

Witnesses:

R. C. WILSON,
JOHN WILSON.