

(No Model.)

G. LELAND.

COMBINED UMBRELLA AND CANE.

No. 329,656.

Patented Nov. 3, 1885.

Fig. 1.

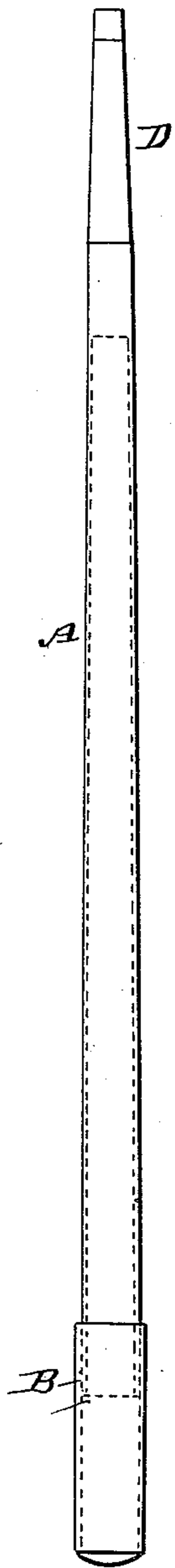


Fig. 2.

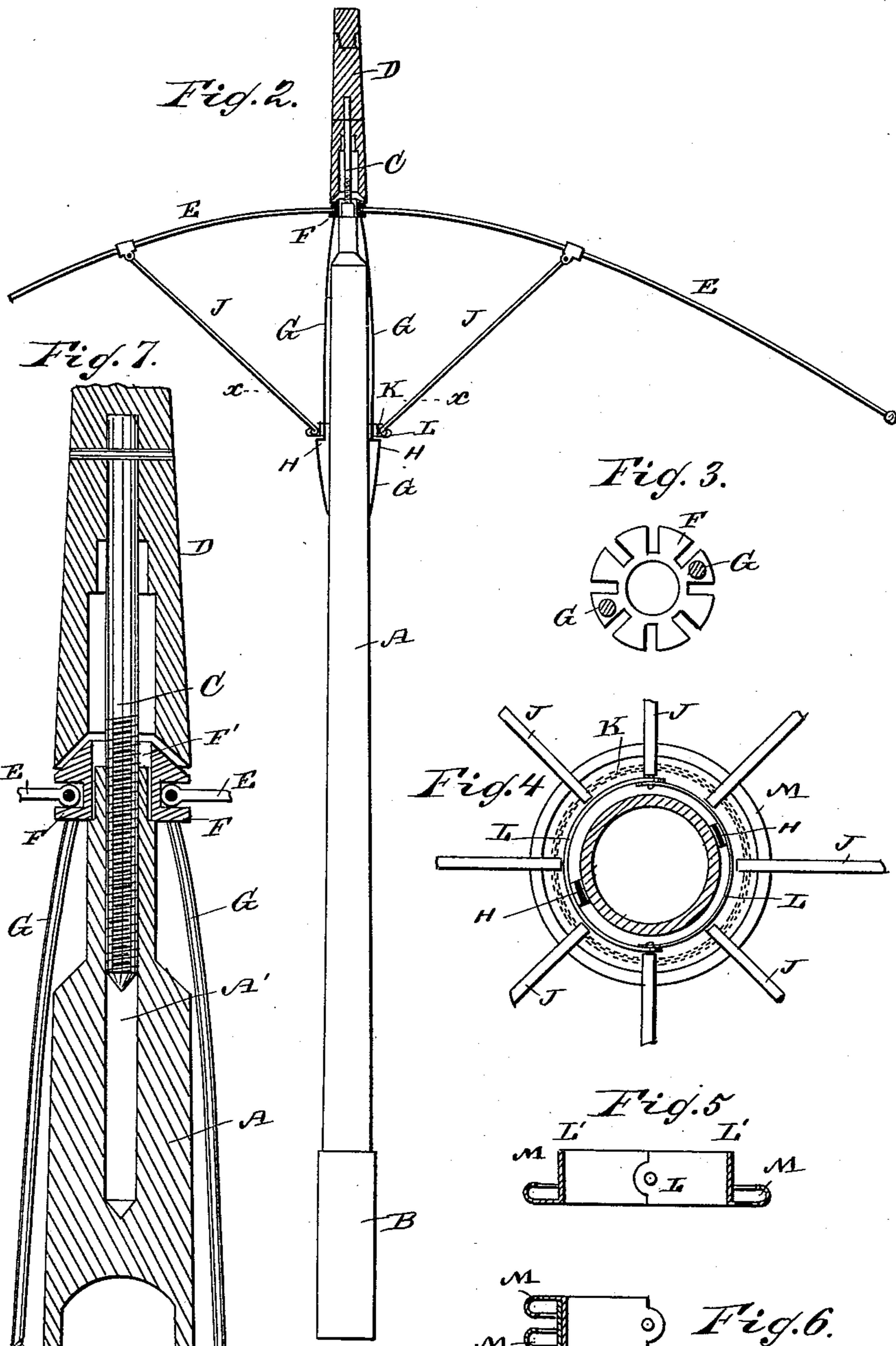


Fig. 7.

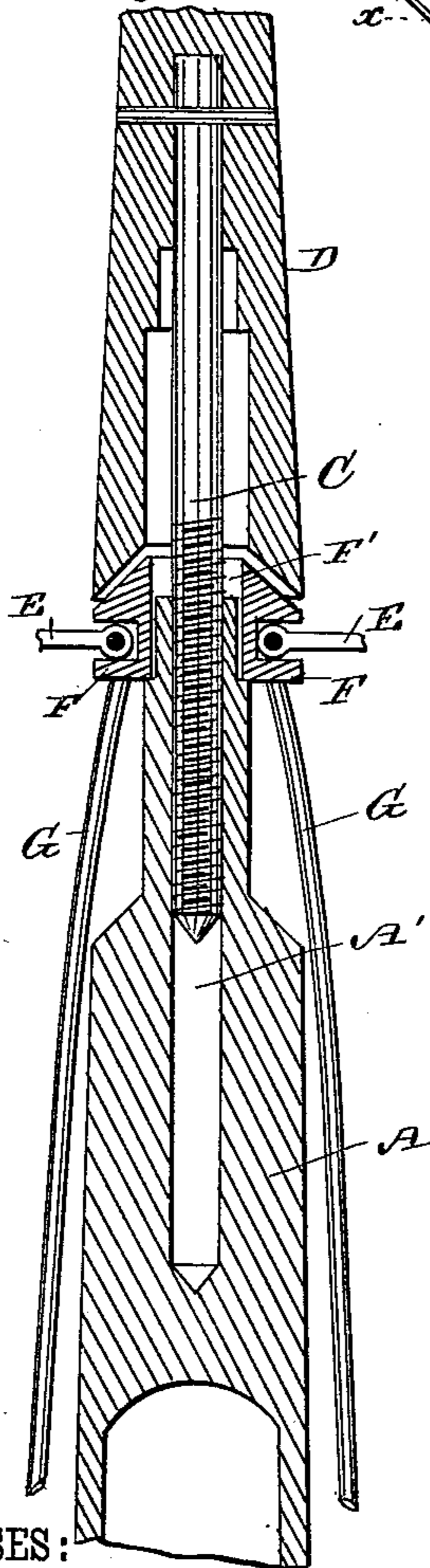


Fig. 3.

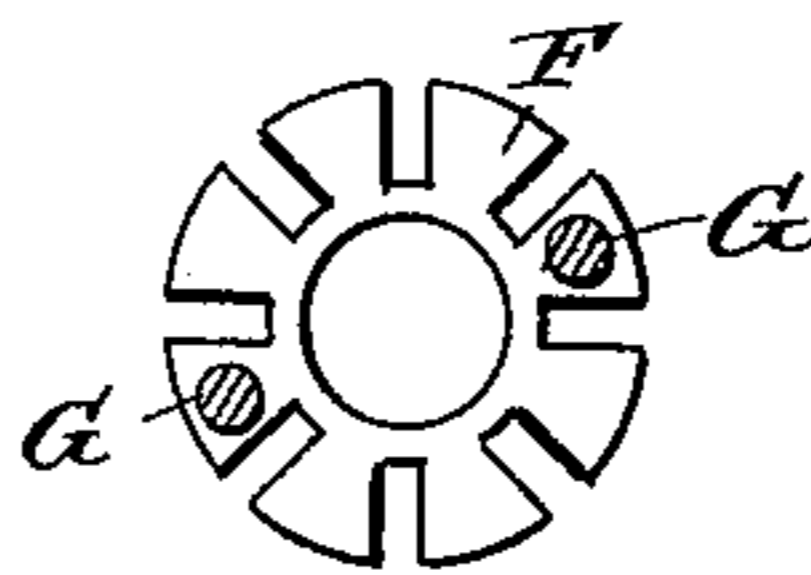


Fig. 4.

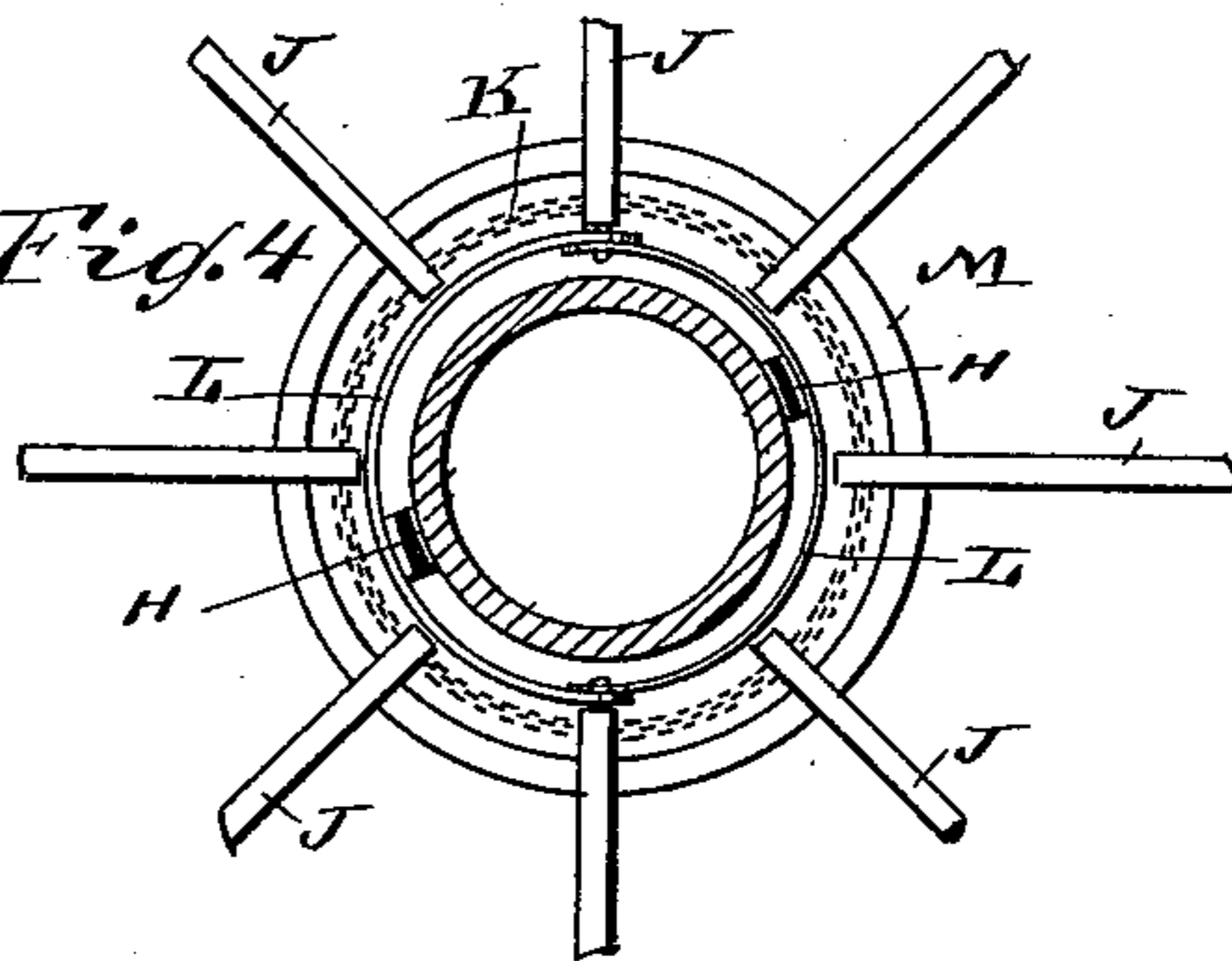


Fig. 5.

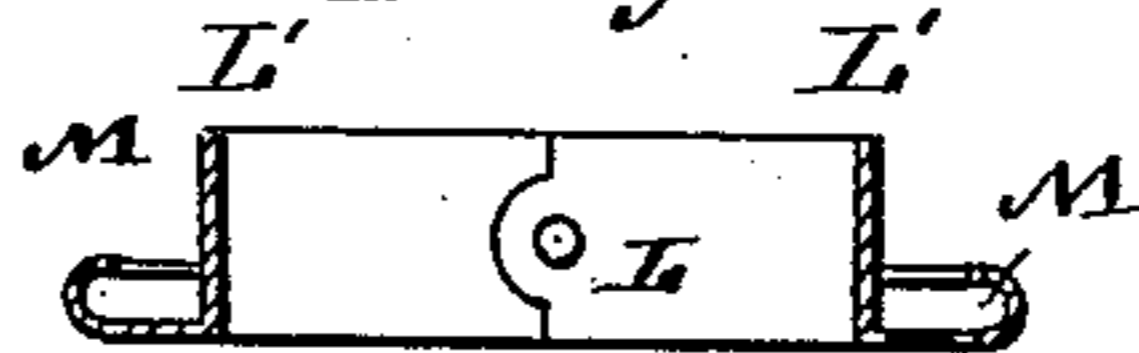
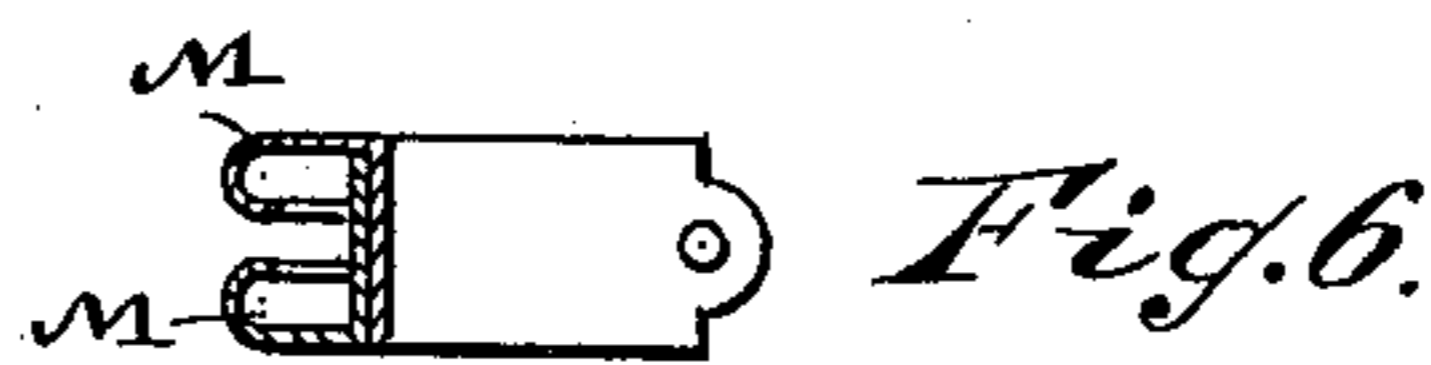


Fig. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE LELAND, OF JACKSONVILLE, FLORIDA.

COMBINED UMBRELLA AND CANE.

SPECIFICATION forming part of Letters Patent No. 329,656, dated November 3, 1885.

Application filed July 24, 1884. Serial No. 138,634. (No model.)

To all whom it may concern:

Be it known that I, GEORGE LELAND, of Jacksonville, in the county of Duval and State of Florida, have invented a new and Improved
5 Combined Umbrella and Cane, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved umbrella which can be
10 folded compactly and placed within a hollow cane when not in use.

The invention consists in the combination, with a hollow cane, of a nut adapted to be held on the end of the cane, ribs pivoted to
15 the nut, braces pivoted to the ribs, and a chain ring, to which the lower ends of the braces are held.

The invention further consists in details of construction and in combinations of parts, as
20 will be hereinafter more fully set forth.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures

25 Figure 1 is a longitudinal elevation of the combined umbrella and cane, the umbrella being folded and contained within the cane. Fig. 2 is a longitudinal elevation of the umbrella, showing the same adjusted for use,
30 parts being in section. Fig. 3 is a plan view of the under side of the nut in which the upper inner ends of the ribs are pivoted. Fig. 4 is an enlarged cross-sectional view on the line *xx*, Fig. 2. Fig. 5 is a sectional view of
35 the slide, showing it open ready for use. Fig. 6 is a sectional view of the same folded. Fig. 7 is an enlarged detail longitudinal sectional elevation of the upper part of the umbrella, the same being open.

40 The hollow cane A, which is made of hard rubber, metal, or other suitable material, is provided with a hollow handle, B, screwed on the upper thicker end of the cane. In the thinner end of the cane A a screw-aperture, A', is
45 formed, which is adapted to receive a screw, C, which is secured in and projects downward from the cap D, the lower end of which cap fits closely against the end of the cane, and the cane and cap appear to consist of one continuous piece. The ribs E, which are made hollow and half-round, U shaped, or otherwise in
50 cross-section, are pivoted at their upper inner

ends to a nut, F, having a central aperture, F'. From the nut F two spring rods or wires, G, project downward, which are provided at or
55 near their lower ends with shoulders or offset H. The braces J, pivoted to the ribs E, are made tubular, or have any other cross-section, and are made as light as possible. They have their lower ends secured to or held on a circular
60 chain or chain-ring, K. The slide L is formed of two half-rings, L', pivoted to each other at the ends, so that they can be folded together in the shape of a half-ring, so as to occupy very little space. The half-rings L' are provided
65 with flanges M, having their edges turned up, so as to adapt them to hold the chain-ring K on the said slide.

The umbrella is adjusted for use in the following manner: The caps B and D are unscrewed and the slide L removed from the hollow
70 cane and brought into the position shown in Fig. 5. Then the cane is passed through the slide and through the chain-ring K until the nut F rests on the end of the cane, the
75 chain-ring K being held on the slide L. The screw C of the cap D is then screwed into the end of the cane, thus holding the cap F in place, and the slide L is pushed up and presses upon the springs G, the chain K resting on
80 the flanges M of the slide L. When the slide rests on the shoulders H of the springs G, the umbrella is opened. When the umbrella is to be closed, the lower ends of the springs G are pressed together, so as to permit of pulling
85 down the slide L and the chain by which the lower ends of the braces J are held.

When the umbrella is not in use, the several parts are held within the hollow cane, which is about one and one-quarter inch in diameter
90 at the thicker end and seven-eighths inch in diameter at the thinner end.

The above-described device can be used as a cane, umbrella, or parasol, &c., and can readily be converted from a cane into an umbrella, or from an umbrella into a cane.
95

I have shown eight braces, J; but more or less braces can be used, as desired, a corresponding number of ribs being used.

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

1. In a combined umbrella and cane, the combination, with the cane A, of the nut F, the ribs E, the braces J, the chain-ring K, and

the spring-rods G, having offsets H, substantially as herein shown and described.

2. In a combined umbrella and cane, the combination, with the cane A, of the nut F, the ribs E, the braces J, a ring to which the lower ends of the braces are pivoted, the spring-wires G, projecting down from the nut, and having offsets H, and of the slide L, substantially as herein shown and described.

10 3. In a combined umbrella and cane, the combination, with the cane A, of the screw C, the cap D, the nut F, the ribs E, the braces J,

the ring K, and the spring-wires G, substantially as herein shown and described.

4. In a combined umbrella and cane, the slide L, formed of two half rings, L', pivoted to each other, and provided with flanges M, having their free edges bent over, substantially as herein shown and described.

GEORGE LELAND.

Witnesses:

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J. W. ARCHIBALD.