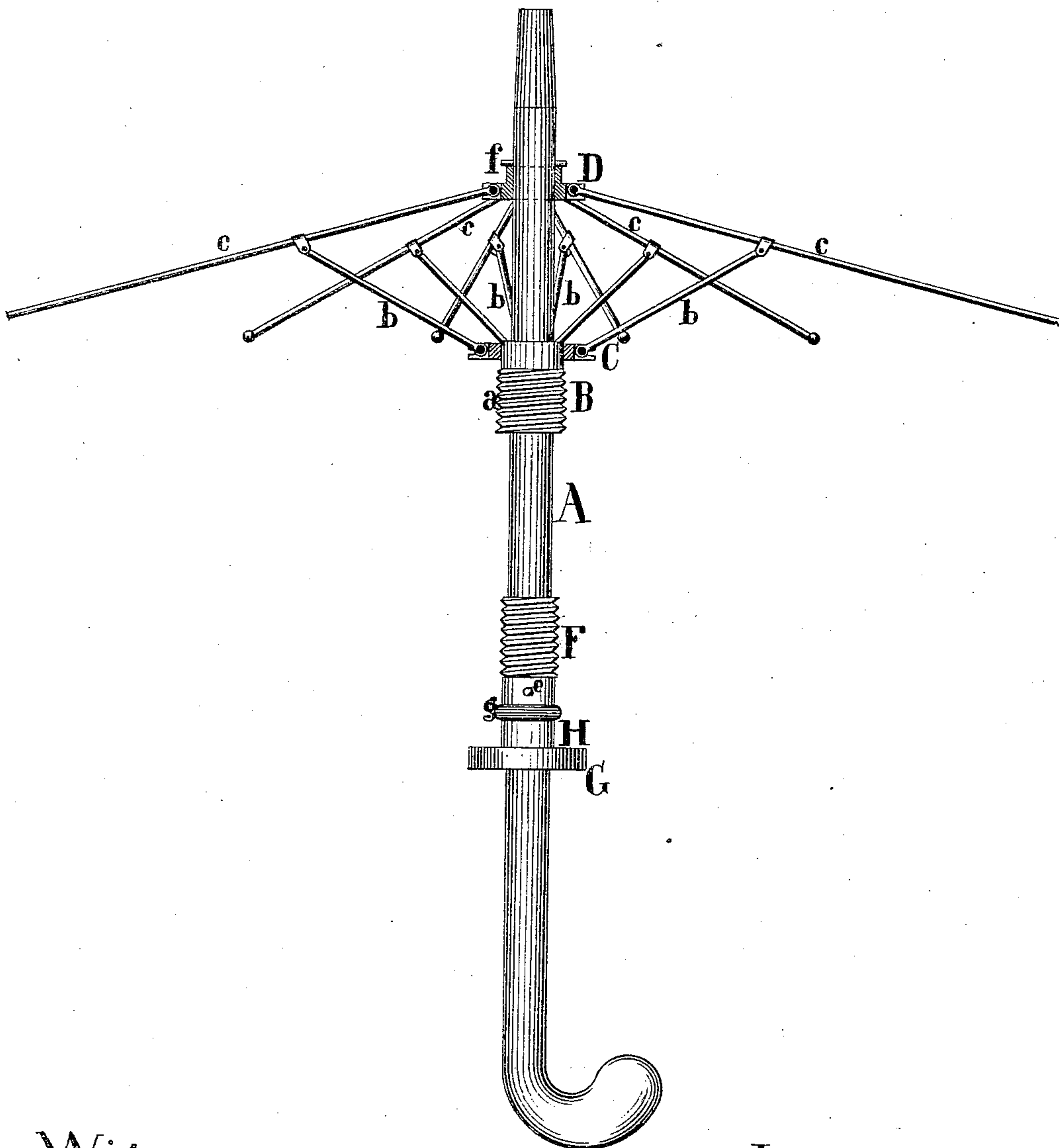


S. R. PINCKNEY.
Umbrellas.

No. 153,605.

Patented July 28, 1874.

Fig:1.



Witnesses:

Henry Gentner
Chas. Wahlen.

Inventor:

Stephen R. Pinckney
pr
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Fig: 2.

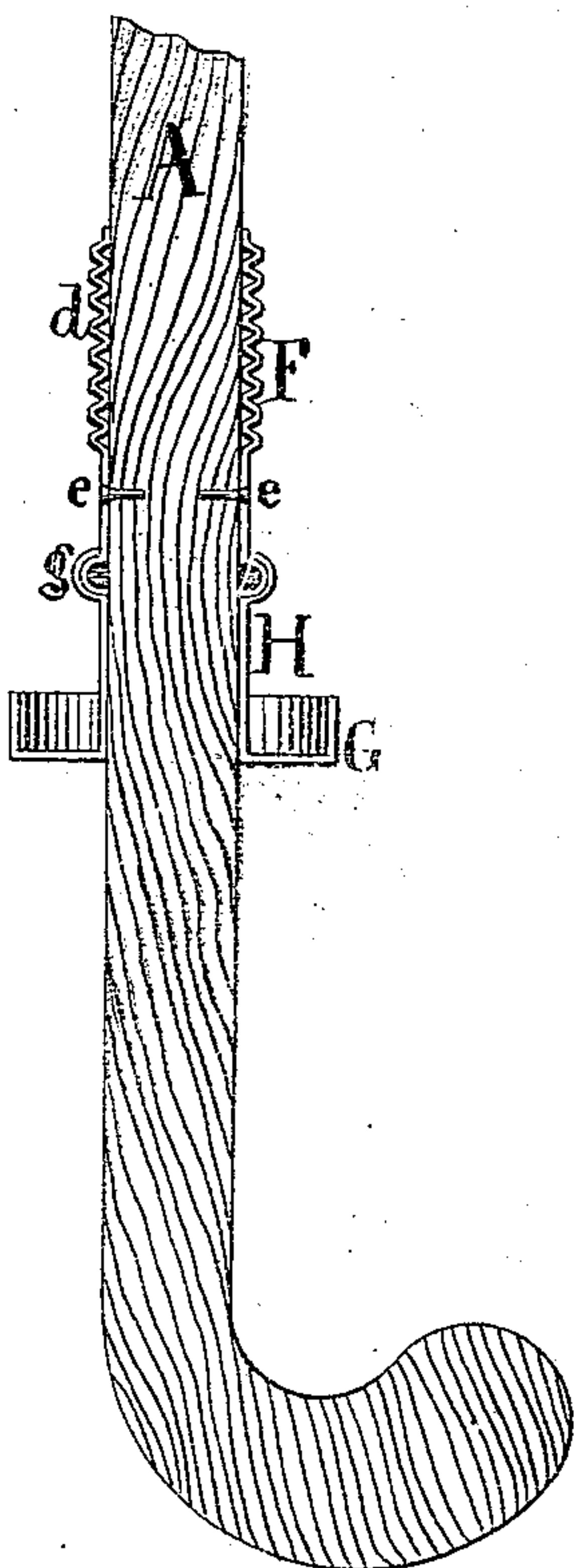
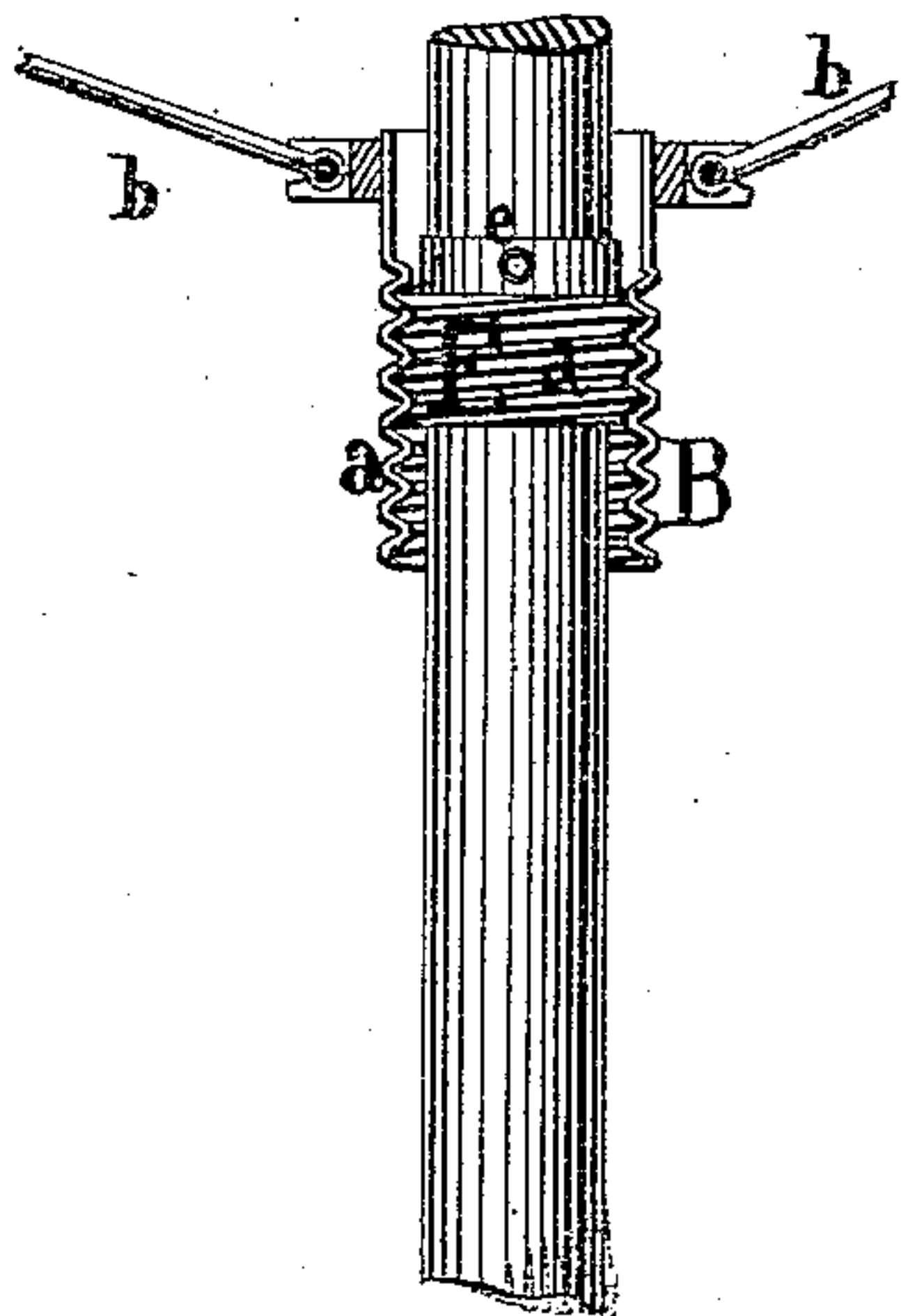
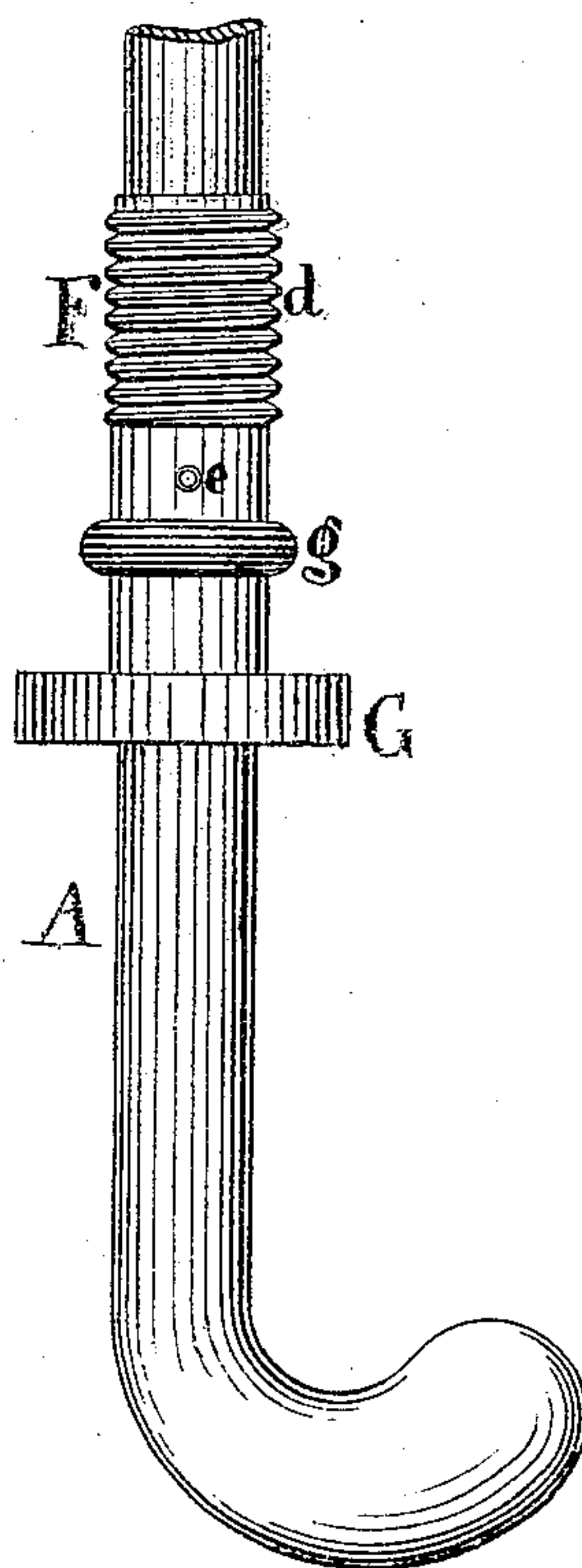
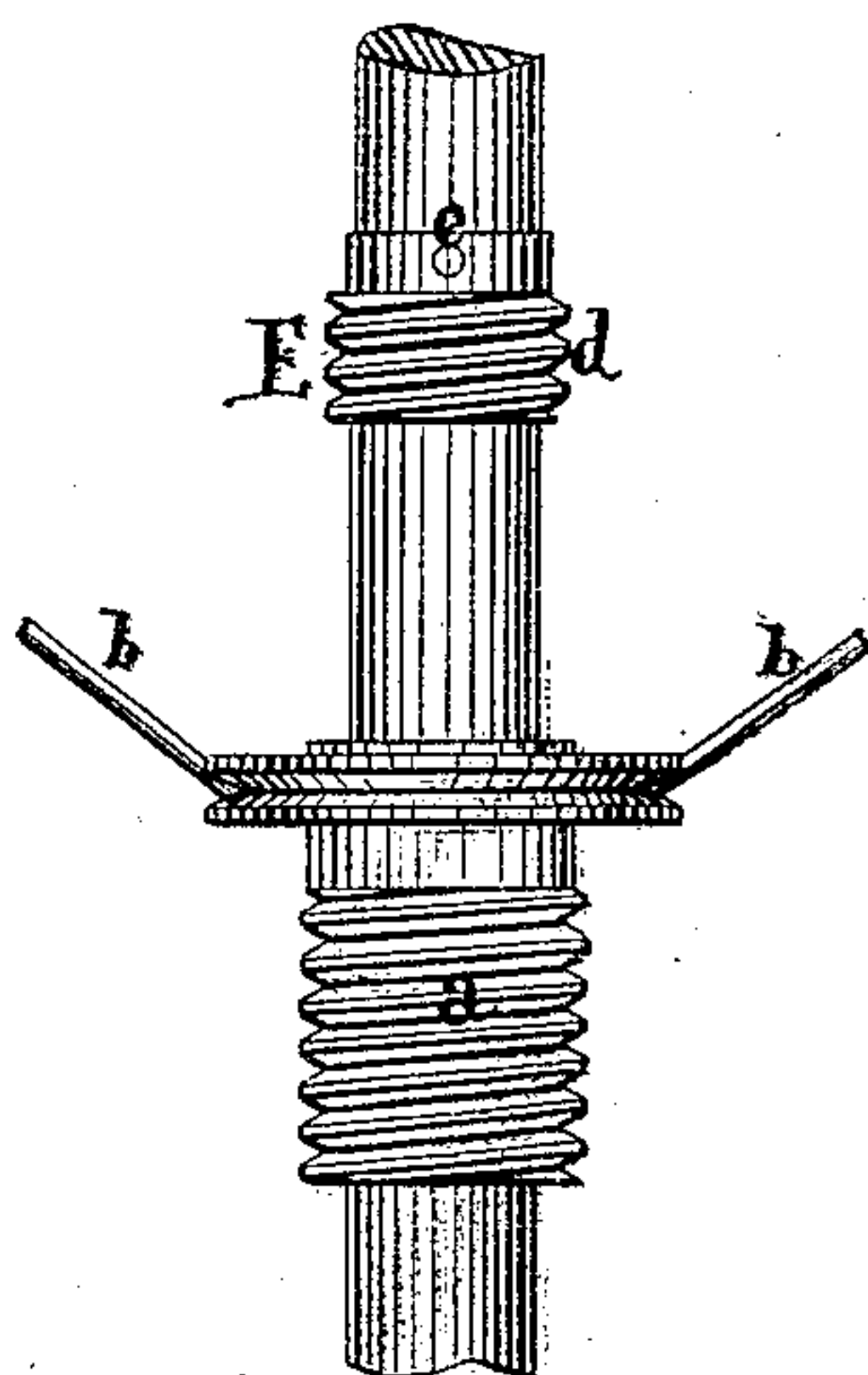


Fig: 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

STEPHEN R. PINCKNEY, OF NEW YORK, N. Y.

IMPROVEMENT IN UMBRELLAS.

Specification forming part of Letters Patent No. **153,605**, dated July 28, 1874; application filed June 3, 1874.

To all whom it may concern:

Be it known that I, STEPHEN R. PINCKNEY, of the city, county, and State of New York, have invented a new and useful Improvement in Umbrellas and Parasols; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 is a sectional view of an umbrella extended, made according to my invention. Fig. 2 is a sectional side view thereof on a larger scale, and without the ribs. Fig. 3 is a side view thereof.

Similar letters indicate corresponding parts.

My invention consists in a new method of locking the runner of an umbrella or parasol upon its stick when the umbrella is either open or shut, whereby I dispense with the ordinary spring or catches heretofore used, and provide a means for locking the runner, simple in construction, and not easily put out of working order.

In carrying out my invention, I mount the umbrella-frame upon its stick in such a manner that it is free to turn thereon, and I fix upon the stick rings or collars provided with screw-threads, one ring being placed at the point where the runner is to be locked when the umbrella is an open condition, and another at the point where the runner will be when the umbrella is shut. The runner is of such a diameter that it can pass over the stationary rings, and it is also provided with a thread so as to be screwed on and off the screw-rings of the stick. With the lower one of the screw-rings is combined a tip-holder at such a point as to receive the tips of the umbrella when shut.

In the drawing, the letter A designates the stick or handle of an umbrella. B is the runner, consisting of a tube or ring of sheet metal, in which is formed a screw-thread, *a*. This thread may be made to run in one and the same direction throughout, as shown, or it may be right and left handed, as desired by the maker. The runner B is provided at or near its top with a notched ring, C, to support the stretchers *b*, the outer ends of the said

stretchers being hinged to ribs *c*, which, in turn, are hinged to the crown-piece D. E F are screw rings or collars, the screw-threads *d* of which are so made that they fit the screw-thread *a* of the runner B. The screw-rings E F are formed of sheet metal, and are secured upon the stick or handle A by screws or rivets *e*, or in any other suitable manner, the screw-ring E being located on the stick so as to engage the runner when the umbrella or parasol is open, and screw-ring F being located where it will engage the runner when the umbrella is closed.

Instead of using such screw rings or collars E F, I can form screw-threads to engage with the threaded runner directly upon the stick A at the proper places. I prefer, however, to employ the screw-rings.

In proceeding to lock the umbrella, either in an open or in a closed condition, upon the stick A, I move the threaded runner B to the upper or lower screw-ring, according to the condition of the umbrella, and the runner being then turned in the proper direction by the fingers, it is engaged by the screw-ring so as to be retained in a fixed position. The runner B is connected with the crown-piece D by or through the stretchers *b* and ribs *c*, and the crown-piece is placed loosely upon the stick A, whereby it, together with the umbrella-frame, is free to turn in any direction with the runner, and I am enabled to lock the latter with ease and facility. The crown-piece is held and prevented from sliding upon the stick by a stop, *f*, secured upon the said stick in any suitable manner.

The runner can also be made to turn independently of the crown-piece by arranging it loosely on the notched ring C in such a manner that it can be turned without having any longitudinal movement thereon, and in that case the frame of the umbrella or parasol can be fastened at the crown-piece to the stick or handle, so as not to be capable of rotary motion.

The letter G designates the tip-holder, consisting of an inverted cap, which is formed on the lower screw-ring F. This tip-holder is brought in such a position upon the stick A that when the umbrella is shut or folded the tips of the ribs *c* are thrust therein by the de-

scent of the runner as it is screwed upon the ring F, and the umbrella is prevented from spreading.

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

1. The threaded runner B, in combination with a screw-ring, E, arranged upon an umbrella or parasol stick or handle, A, substantially as described.

2. The combination of a threaded runner,

B, with the screw-ring F, arranged upon the stick or handle A of an umbrella or parasol, substantially as set forth.

3. The combination of the threaded runner B, screw-ring F, and ribs c of an umbrella or parasol with a tip-holder, G, as herein specified.

STEPHEN R. PINCKNEY.

Witnesses:

M. P. SMITHEY,
EDWIN J. McLAIN.