

W. Lang.

Umbrella.

N^o 76085

Patented Mar. 31, 1868.

Fig. 1.

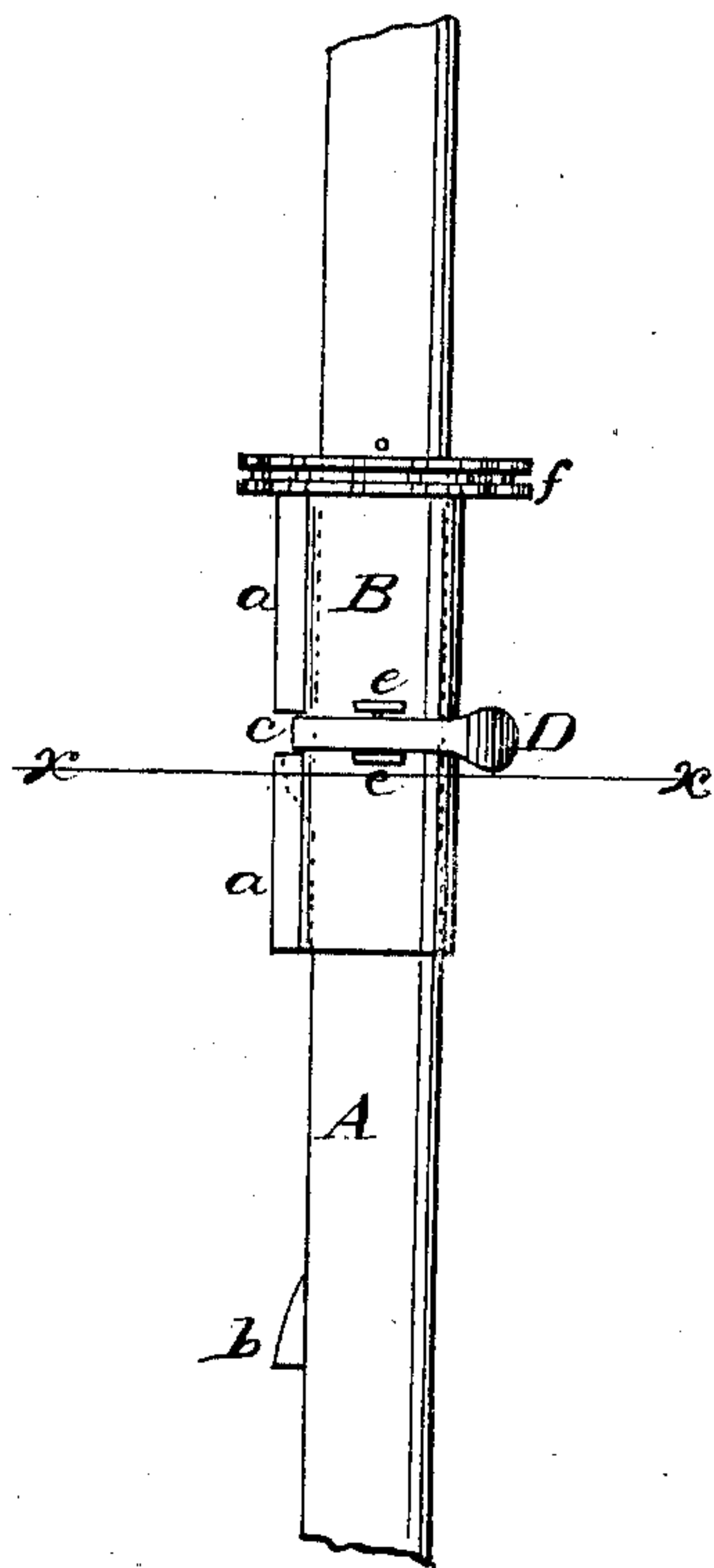


Fig. 2.

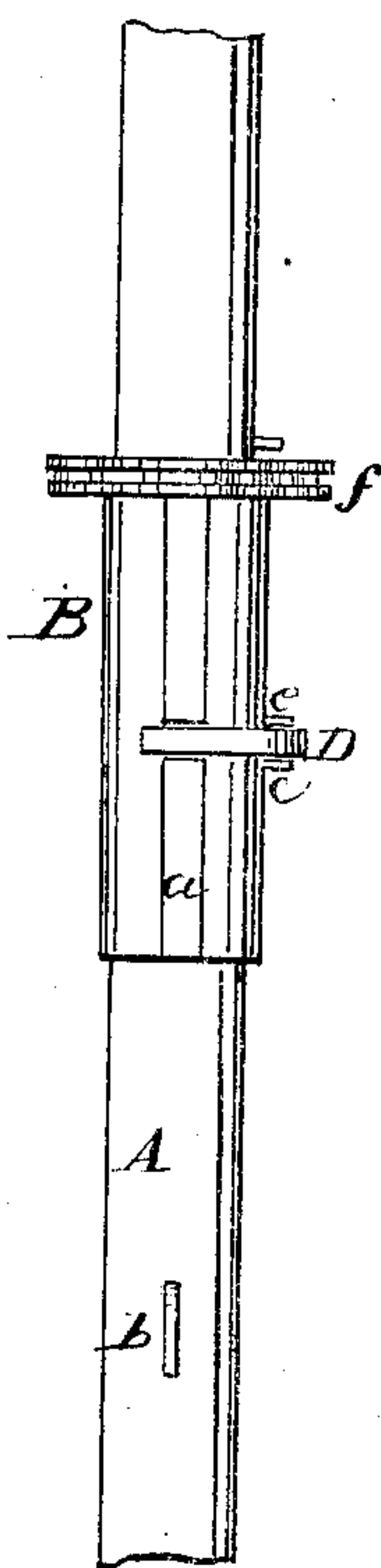


Fig. 3.

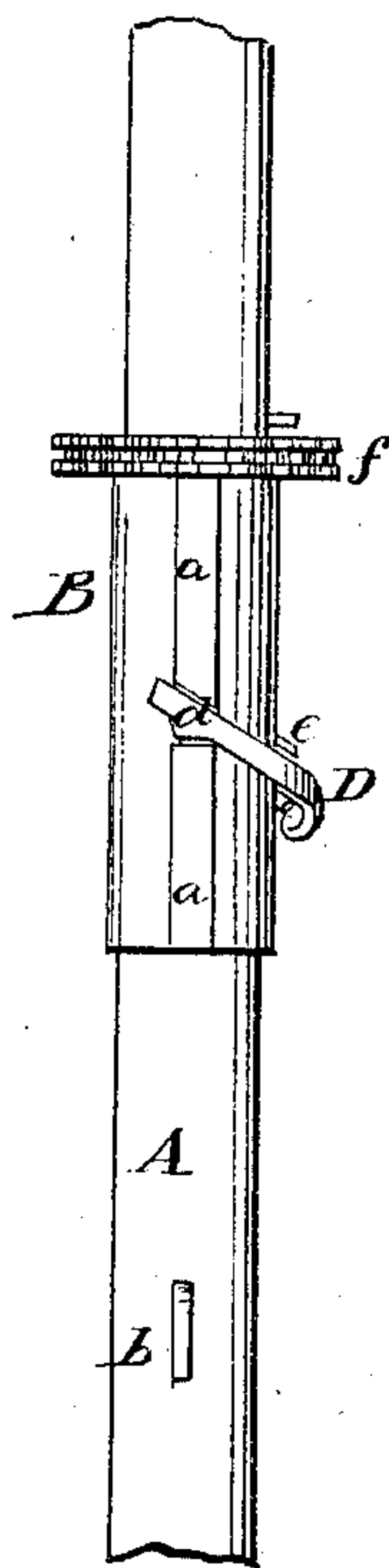
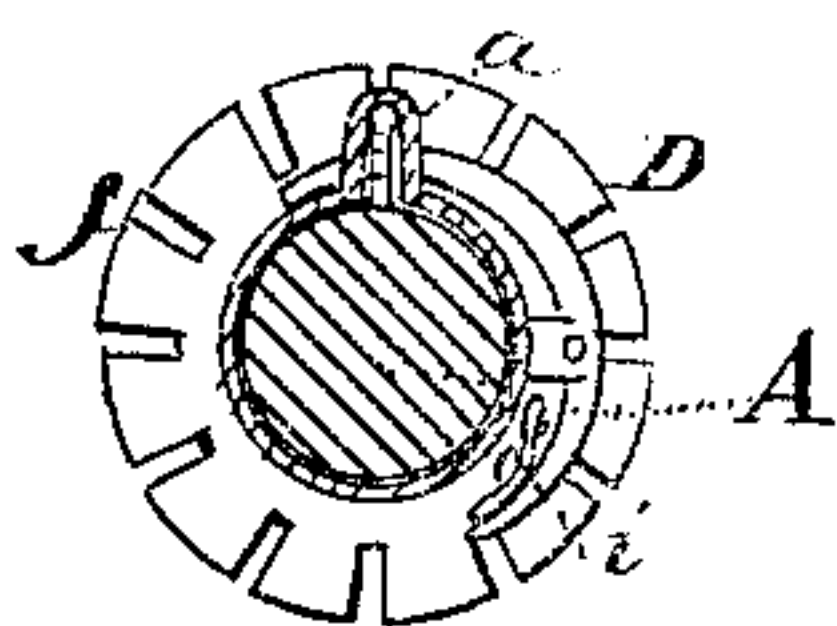


Fig. 4.



Witnesses

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WILLIAM LANG, OF BROOKLYN, E. D., NEW YORK.

Letters Patent No. 76,085, dated March 31, 1868.

IMPROVEMENT IN UMBRELLAS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM LANG, of Brooklyn, E. D., in the county of Kings, and State of New York, have invented a new and improved Umbrella-Runner; and I do hereby declare that the following is 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 drawings, forming part of this specification, in which—

Figures 1 and 2 are different views of my improved runner.

Figure 3 is a modification of the same.

Figure 4 is a cross-section of fig. 1, through the line *x x* of that figure.

Similar letters of reference indicate corresponding parts.

The object of this invention is to provide a runner for umbrella-rods, which shall be simple, elegant, and more convenient to operate than those heretofore made. It consists in providing a spring-lever, which operates crosswise of the runner, together with other devices conducing to the perfect operation of the runner, all of which will be duly set forth in the following.

The handle of the umbrella is shown at A, passing through a runner of the usual construction as to the flange *f* for attaching the ribs of the umbrella, but instead of a continuous cylindrical character, I form a raised channel throughout the length of the runner, as shown at *a*, for the purpose of permitting the passage of the projection *b* on the handle A. This projection *b* is for the purpose of catching against the spring-lever, if the latter has passed over it in extending or closing the umbrella, and holding the umbrella closed or opened, as the case may be. To this end there are two of such projections on the umbrella-staff or rod, one for holding the ribs extended, and the other, near the handle-end, for holding the umbrella closed. These projections present an inclined surface toward each other, so that the spring-lever may slide over the projection, and catch against the vertical part thereof. The lever D is bent to conform somewhat to the surface of the runner, and is pivoted between lugs *e e*, as shown. A notch, *c*, is cut in the bent channel *a* to receive the lever, as shown, and to sustain it against the lateral strain which is brought upon it when caught on the projection *b*. Affixed to the under side of the lever is the spring *i*, which actuates it to bear upon the umbrella-staff, and to catch against the projection *b* after passing over it. The channel *a* is formed by bending out the metal of the runner in a ridge or convex fluting, as shown. The lever may be made to curve in a somewhat helical manner, as shown at fig. 3, but its operation is the same in principle to those described in the foregoing.

I am aware that a spring-lever has been attached to umbrella-runners, (see Joseph Bloom's patent, No. 22,686,) and do not claim such a device broadly; but

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

The umbrella-runner, provided with a fastening-device consisting of the channel *a* and catch or lever D, in combination with the projections *b*, substantially as described.

The above specification of my invention signed by me, this 6th day of February, 1868.

WILLIAM LANG.

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.