J. CAIN.

Window-Awning.

No. 198,792. Patented Jan. 1, 1878.

Fig. 1

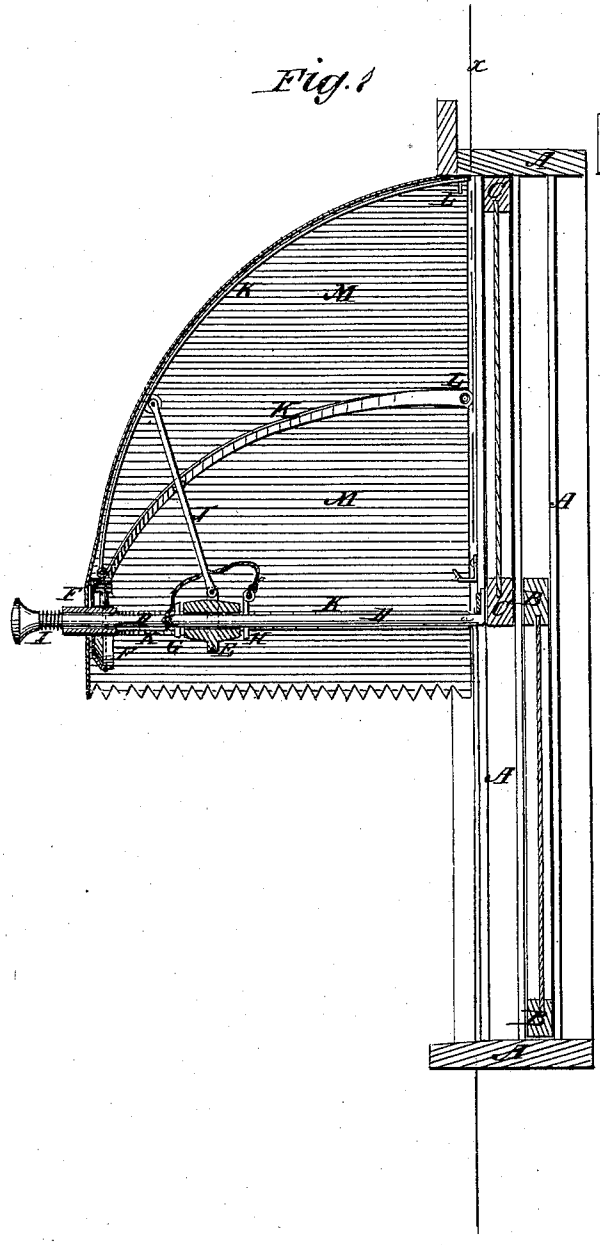
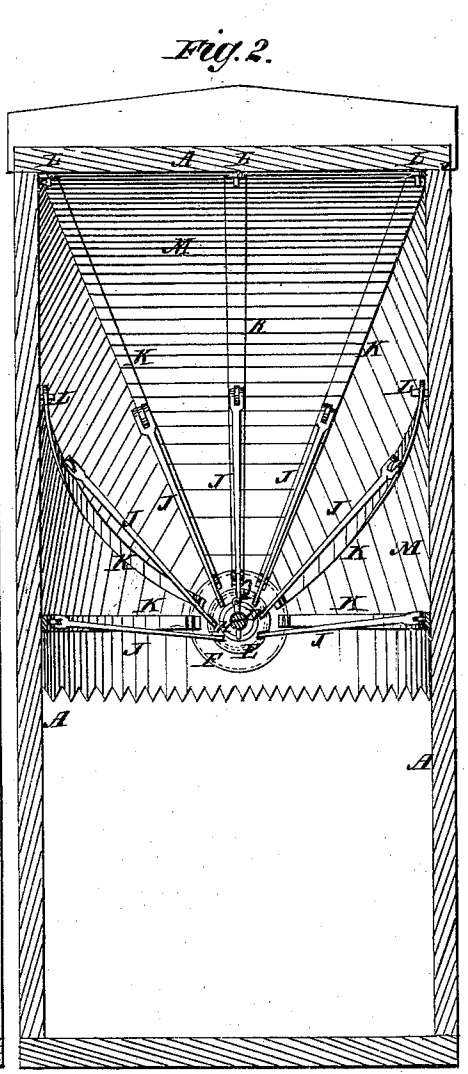


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES CAIN, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN WINDOW-AWNINGS.

Specification forming part of Letters Patent No. **198,792**, dated January 1, 1878; application filed September 1, 1877.

To all whom it may concern:

Be it known that I, JAMES CAIN, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Window-Awnings, of which the following is a specification:

Figure 1 is a vertical section of my improved awning, shown as applied to a window. Fig. 2 is a view of the inner side of the same, the window-casing being shown in section taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved awning for windows, which shall be so constructed that it may be readily attached to and detached from the window, and when detached may be folded into a compact form for storage or transportation, and which shall be simple in construction and convenient in use.

The invention consists in an improved awning-frame, formed of the rod, the two sliding runners, the spiral springs, the stretchers, and the ribs, constructed and arranged in connection with each other, to adapt it to receive a cover, as hereinafter fully described.

A represents a window-casing. B represents the lower sash, and C represents the upper sash. D is a rod, the lower end of which is secured, detachably, to the bottom rail of the upper sash C by a keeper, socket, or other suitable means. Upon the rod D are placed two runners, E F. The outward movement of the inner runner E is limited by a pin, G, or other stop, attached to the rod D; and the said runner is secured in place when pushed outward against said stop G by a pin, H, inserted in a hole in the said rod D, or by a wire spring.

The inward movement of the outer runner F is limited by the stop G, and its outward movement is limited by a spiral spring, I, placed upon the out part of the rod D. The inner end of the spring I rests against the outer end of the runner F, and its outer end rests against a knob or other ornamental head attached to the outer end of the rod D. To the inner runner E are pivoted the inner ends of the stretchers J, the outer ends of which are pivoted to the ribs K. The inner ends of the ribs K are pivoted to the outer runner F, and their outer ends have holes formed through them, to receive pins L attached to the casing A, or hooks formed upon them to hook into eyes attached to the said casing. The ribs K are graduated in length, so that their outer ends may reach the top and the sides of the casing A in proper position. To the ribs K is attached a cover, M, of canvas, muslin, or other suitable material, which may have a fringe or border upon its edge, to give it a finished appearance.

The awning, when applied to a window, is held in an extended state by passing the pin H through the rod D, so that the inner runner cannot slide on the rod, it being locked by the two pins G H.

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

The rod D, having the two runners E F, pins G H, and spring I, in combination with the stretchers J and the pivoted ribs K, graduated in length, provided with a cover, and adapted to be applied to a window-frame, as and for the purpose specified.

JAMES CAIN.

Witnesses:
W. K. JENNINGS,
JOHN F. JENNINGS.