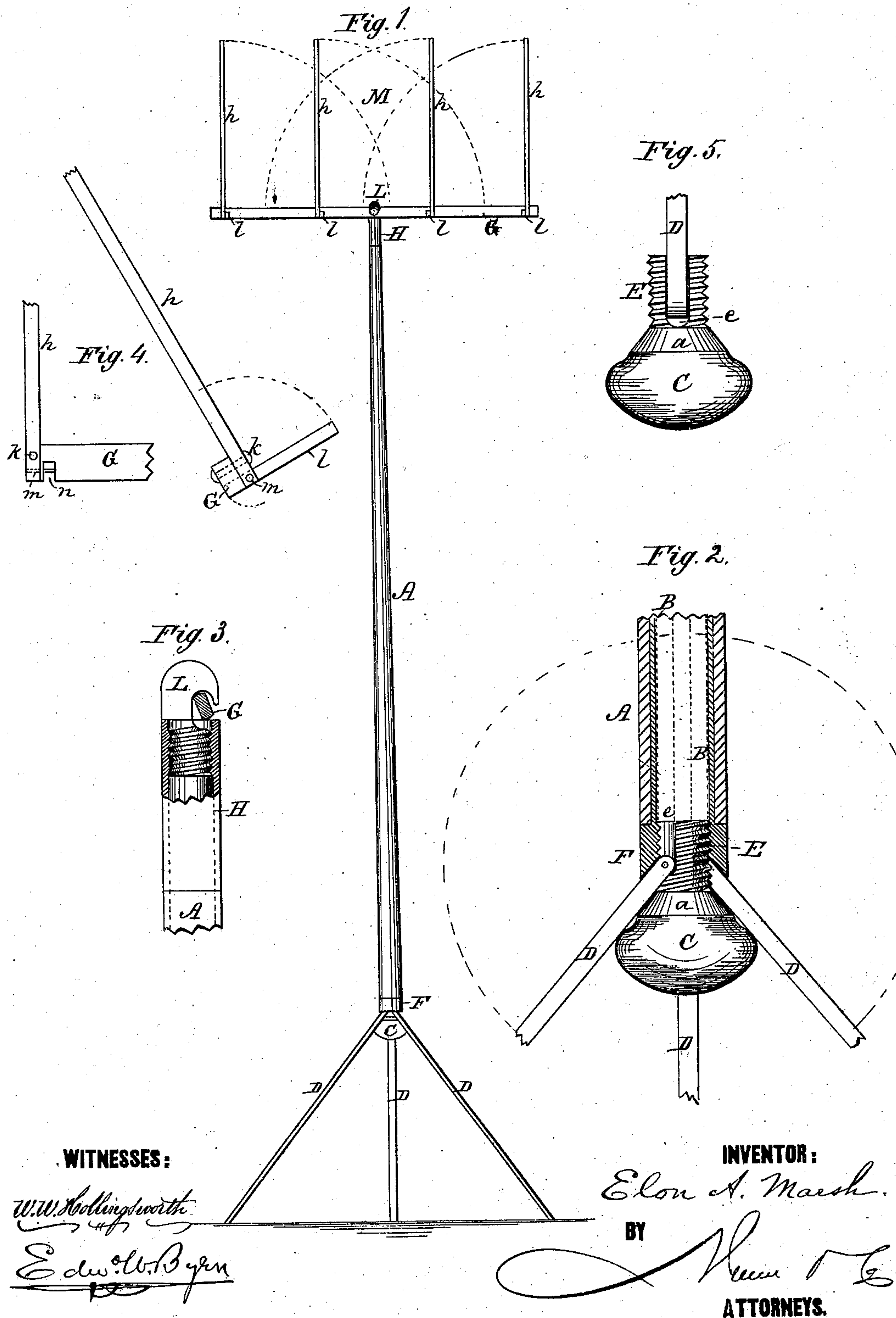


E. A. MARSH.
MUSIC-SUPPORTS.

No. 194,698.

Patented Aug. 28, 1877.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ELON A. MARSH, OF BATTLE CREEK, MICHIGAN, ASSIGNOR OF ONE-HALF
HIS RIGHT TO BRUNO A. NEISSER, OF SAME PLACE.

IMPROVEMENT IN MUSIC-SUPPORTS.

Specification forming part of Letters Patent No. 194,698, dated August 28, 1877; application filed
April 28, 1877.

To all whom it may concern:

Be it known that I, ELON A. MARSH, of Battle Creek, in the county of Calhoun and State of Michigan, have invented a new and Improved Combined Music-Stand and Cane; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is an elevation of the device when arranged as a music-stand. Fig. 2 is a sectional view, showing the manner of folding and adjusting the supporting-legs. Fig. 3 is a detail view, illustrating the manner of fastening the rack to the standard. Fig. 4 are details, illustrating the construction of the rack. Fig. 5 is a detail of the knob and screw-plug.

Similar letters of reference in the different figures indicate corresponding parts.

The object of my invention is to so construct a walking-cane that it may be readily and quickly adjusted to form a convenient and substantial music-stand, and vice versa.

The improvements consist in the construction and arrangement of the supporting-legs with respect to a screw-plug, and the hollow tubular end of the cane, forming a containing-case, the construction of the rack for holding the music, and the means for securing the rack to the standard, as hereinafter more fully described.

In the drawing, A represents the standard of the music-stand or the body of the cane, the butt or larger end of which is made hollow, and provided with a metallic tubular case, B, Fig. 2, which is made of sufficient length to contain all of the movable parts of the device that are necessary to the construction of the music-stand. The outer end of the said tube is screw-threaded upon the inside, and into the same fits a screw-plug, E, attached to a knob, C. Said screw-plug is provided, upon its periphery, with three or more longitudinal grooves, *e*, in which are pivoted the folding legs D, so as to occupy either a longitudinal position in said grooves below the threads, when the device is to be used as a cane, as shown in dotted lines in Fig. 2, or

be turned entirely back past a right-angular position when disposed as supports for a music-stand.

When the device is to be used as a cane, and the legs D are folded inside of the case B, as shown in dotted lines, the knob C, with its screw-plug, is screwed up until a beveled face, *a*, rests against a corresponding bevel upon a collar, F, on the end of the case B, in which position the knob forms the head of the cane and a stopper to the hollow case, to hold the several movable parts of the device in the same.

When the device is to be used as a music-stand the knob and screw-plug is screwed entirely out, the legs deflected or thrown back past the right-angular position, as shown by the curved dotted lines, the screw-plug readjusted to its thread in the case, and screwed up until the legs D are clamped between the beveled face *a* of the knob and the corresponding bevel upon the collar F, in which position they form a firm support for the cane-body, which then becomes the standard of the music-stand.

M is the rack for holding the music. This consists of a bar, G, having arms *h* pivoted to the same at *k*, to form the back of the rack, and auxiliary arms *l*, pivoted at *m* to the bottoms of arms *h*, to form the base-support for the music. The arms *h* are, when disposed for use, at right angles to bar G, and the arms *l* at right angles to arms *h*; but when folded on their pivots said arms *l* are first moved into a parallel position with arm *h*, as shown in dotted lines in Fig. 4, and the arms *h*, together with *l*, are then together folded into a parallel position with the bar G, as shown in dotted lines in Fig. 1, in which compact form the rack is adapted to be inserted into the tubular case B when the device is used as a cane. In locking the rack in its opened position the bar G is formed with a notch, *n*, Fig. 4, and the arms *l* are extended past their pivots *m*, so as to fold into said notch when the arms are opened, which has the effect to lock all of the arms firmly in place against accidental displacement. To attach the rack, as thus described, to the standard or cane-body, the latter is provided, at its small end, with an interiorly screw-threaded ferrule, H, and into the same is adjusted a

screw-threaded hook, L, Fig. 3. Now, in securing the rack the central portion of the bar G is inserted in the hook, and the threaded shank of the hook then screwed into the ferrule until the bar G is firmly clamped between the ferrule and the said hook.

It will thus be seen that the object of my invention is fulfilled in a neat, simple, and substantial manner, the device being adapted to form a music-stand, as in Fig. 1, or the parts to be all contained within the case B, to form a cane having a finished head, C.

Having thus described my invention, what I claim as new is—

1. The knob C, having screw-plug E, with grooves *e*, in combination with the interiorly-threaded case B, and the legs D pivoted in said grooves, and adapted to occupy either a

longitudinal position therein or be folded back past a right-angular position, to be clamped by said knob, to form a support for the music-stand, substantially as described.

2. The rack M, consisting of bar G, having notches *n*, the arms *h*, pivoted to bar G, and the auxiliary arm *l*, pivoted to arms *h*, and extended past their pivots, to engage with notches *n*, all combined as shown and described.

3. The screw-threaded hook L, combined with a music-rack, and with a standard having an interiorly-threaded ferrule, H, substantially as and for the purpose described.

ELON A. MARSH.

Witnesses:

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