(No Model.)

# W. H. RUSHFORTH.

## COMBINED MUSIC STAND AND WALKING STICK.

No. 245,020. Patented Aug. 2, 1881.

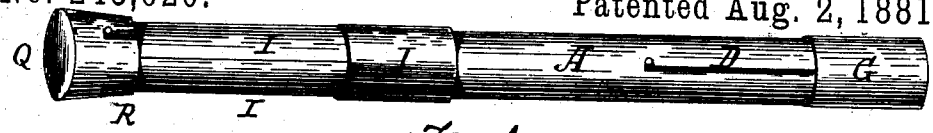



Fig. 1.

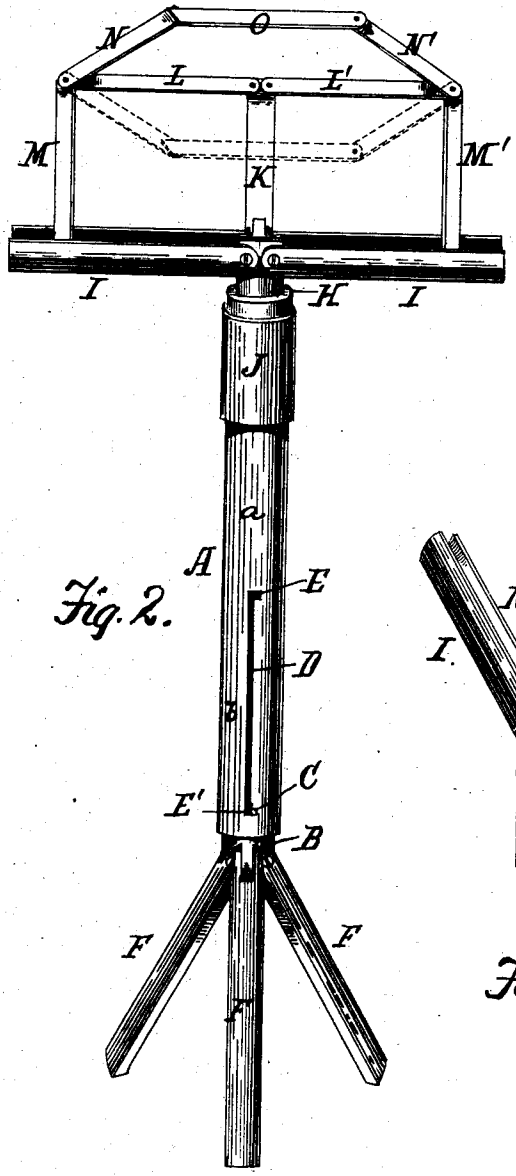



Fig. 2.

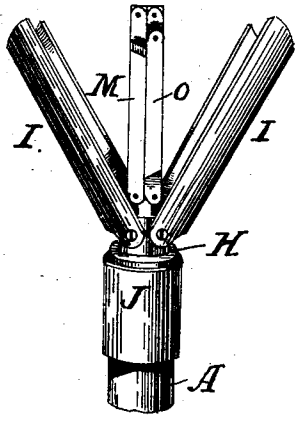



Fig. 3.

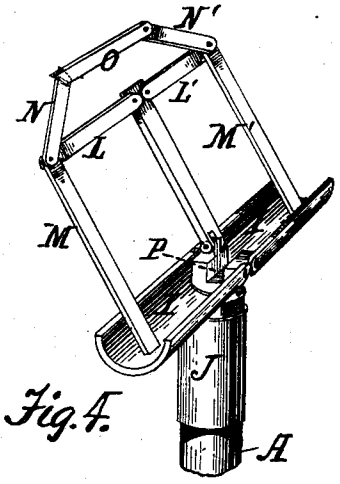



Fig. 4.

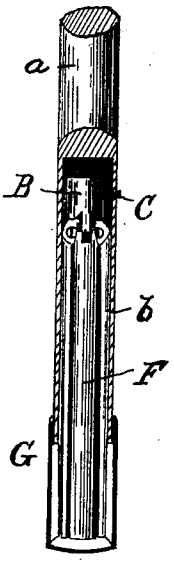



Fig. 5.

ATTESTS.

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# UNITED STATES PATENT OFFICE.

WILLIAM H. RUSHFORTH, OF CAMDEN, NEW JERSEY, ASSIGNOR OF THREE-FIFTHS TO SAMUEL H. GREY, JOHN BURR, AND WILLIAM S. SCULL, ALL OF SAME PLACE.

## COMBINED MUSIC-STAND AND WALKING-STICK.

SPECIFICATION forming part of Letters Patent No. 245,020, dated August 2, 1881.

Application filed January 20, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM HENRY RUSHFORTH, of Camden, New Jersey, have invented an Improvement in Portable Music-Stands, of which the following is a specification.

My invention relates to such stands or racks as are employed in instrumental performances other than of the piano or organ to support sheet-music, and its object is the construction of a music-stand which, while well adapted for the holding of sheet-music, is likewise adapted to be folded up into the form of a walking-stick or baton.

My invention consists in the portable music-stand hereinafter described and claimed.

In the accompanying drawings, Figure 1 represents, in longitudinal side view, my improved music-stand as it appears when folded up to form a cane. Fig. 2 represents the same, in vertical elevation, when unfolded and erected as a music-stand. Fig. 3 is a partial vertical elevation or detail of the rack portion of the stand as the same appears in folding or unfolding. Fig. 4 is a view, in perspective, of the rack portion of the stand unfolded; and Fig. 5 is a central sectional elevation of the pedestal portion of the stand as folded together.

Similar letters of reference indicate corresponding parts.

In the accompanying drawings, A represents the standard or body portion of the stand, formed of wood or metal, of about the diameter of a heavy walking-stick, and rounded to the resemblance of the same. Its upper portion, *a*, Fig. 5, is solid, its lower portion, *b*, hollow and closely fitted with a sliding plug or follower, B, adapted to be moved endwise therein under the restraint of a traveling stud, C, projecting therefrom and entered within a longitudinal slot, D, cut through the hollow standard, and notched at E and E′ at its upper and lower extremities.

To the follower are pivoted or otherwise hinged three or more legs, F, which spread to form a tripod-pedestal, as well shown in Fig. 2, when the follower is drawn down to the extent which the slot permits its stud to travel. When the follower has been thus brought down it is held down by slightly rotating it, so as to throw its stud into the lower notch, E′, of the slot. In this drawn-down position the legs can be spread to an extent controlled by the formation of their pivots, and a pedestal be thus formed which, with great steadiness, upholds the standard. To close the pedestal thus formed, the legs, which are fitted to lie snugly together, each being preferably of the section of a segment of one hundred and twenty degrees, are brought together and slightly rotated, so as to rotate the stud of the follower out of its lower notch, and are then, together with the follower, pushed upward into the hollow of the standard to the extent of the play of the stud in the slot, and are finally rotated so as to throw the stud into its upper notch, E, whereupon the parts will have been caused to assume the position shown in Fig. 5, after which a ferrule, G, is wedged over the end of the legs and standard, so as to form a finish to the same and protect the parts when in use as a walking-stick.

The upper extremity of the standard is formed to a less diameter than the body proper, and shouldered, as at H, and to it are hinged two hollow trough-pieces, I, of semicircular or other fit section, which are shaped so as to be adapted to be lowered and to come to a stop at right angles to the standard, Figs. 2 and 4. When brought up together, so as to be each vertical and to rest against each other, as is represented being done in Fig. 3 and done in Fig. 1, they form a hollow tube, which incloses the folded pieces forming the rack proper. These trough-pieces, being hollow, form, when extended, a gutter, ledge, or rest for the bottom edge of a music-book or sheet-music.

J is a sliding collar, closely fitting about the upper portion of the standard and adapted, when the trough-pieces are closed against each other, to be slid up, so as to embrace and retain the same, as shown in Fig. 1.

To the upper extremity of the turned extension of the standard is pivoted, so as to have a slight backward throw, Fig. 4, an extension, K, to the upper extremity of which, in turn, are pivoted two cross-pieces, L L′, to the outer

extremities of each of which are pivoted the pieces M N M′ N′, which can be adjusted to assume the position shown in Figs. 2 and 4, while to the piece N′ is pivoted a cross-piece, O, fitted to engage against the end of the piece N, whether the parts be placed in the position indicated in full lines or in dotted lines in Fig. 2. These various pieces, which are hinged to the extension K, constitute, when extended, the back of the rack proper, and when not extended can be folded together against the face of the extension K, in the manner represented in Fig. 3, so as to be inclosed by the trough-pieces when the latter are folded together.

The upper portion of the standard is cut through at P, as shown in Fig. 4, to permit of the resting therein of the lower edge of the sheet or book.

When the pieces which constitute the rack have been folded together, as above described, and the trough-pieces folded together to inclose them, a cap, Q, can be slipped over the upper extremities of the trough-pieces, so as to retain them together, as shown in Fig. 1, and the cap can be secured by providing it with a slot and notch, R, to engage with a pin upon one of the trough-pieces.

Such being the construction of my invention, it is obvious that while, when extended to form a music-stand, it is both effectual and convenient, it can yet be closed together so as to be embodied within the compass and present the appearance of a walking-stick and equally well subserve the purposes of the same.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination, to form a combined walking-stick and music-stand, of a standard or body proper, three or more folding legs, a series of folding rack-pieces, and two folding trough-pieces, adapted to inclose the rack-pieces, substantially in the manner shown and described.

2. In a combined music-stand and walking-stick, in combination with the standard A, the extension K and its attached rack-pieces, and the trough-pieces I, the arrangement being such that the rack-pieces fold with the extension and are inclosed by the trough-pieces, which latter, when folded to effect said inclosure, constitute a part of the body of the walking-stick, substantially as described.

3. In combination with the standard A and hinged trough-pieces I, the sliding collar J, as and for the purpose specified.

4. The combination, to form a combined music-stand and walking-stick, of a standard, three or more folding legs, a ferrule, two trough-pieces, an extension and rack-pieces, a sliding collar, and a cap, substantially as shown and described.

In testimony whereof I have hereunto signed my name this 17th day of January, A. D. 1881.

WILLIAM HENRY RUSHFORTH.

In presence of—
J. BONSALL TAYLOR,
W. C. STRAWBRIDGE.