

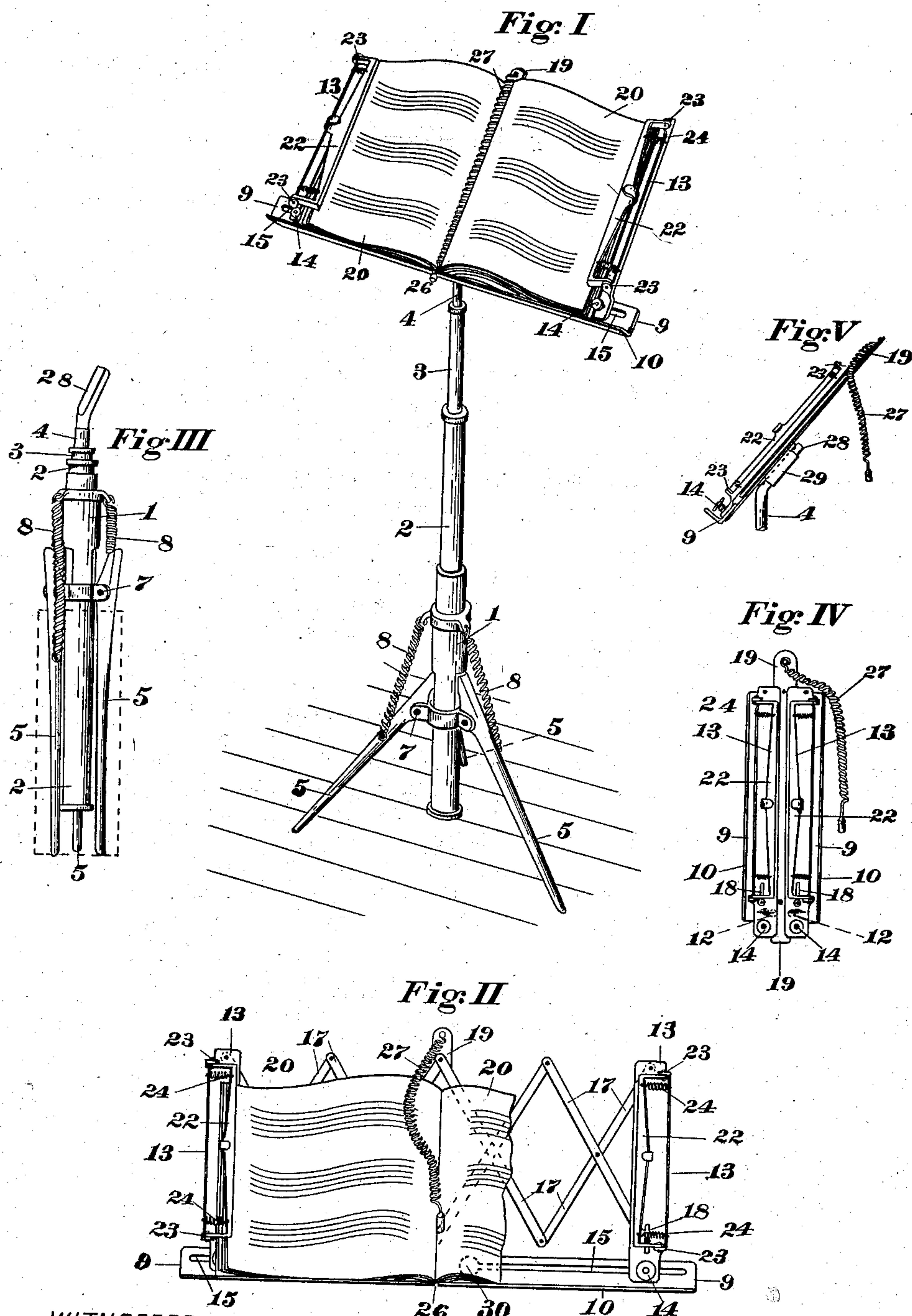
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R. D. NOBLE.
MUSIC STAND.

APPLICATION FILED JUNE 17, 1903.

NO MODEL.



WITNESSES:

P. M. J. Lander,
Wilson D. Bent

INVENTOR:

Richard D. Noble,
By J. Richards & Co.
Attys

UNITED STATES PATENT OFFICE.

RICHARD DELOS NOBLE, OF SAUSALITO, CALIFORNIA, ASSIGNOR OF ONE-HALF TO THOMAS L. HILL, OF SAN FRANCISCO, CALIFORNIA.

MUSIC-STAND.

SPECIFICATION forming part of Letters Patent No. 757,408, dated April 12, 1904.

Application filed June 17, 1903. Serial No. 161,822. (No model.)

To all whom it may concern:

Be it known that I, RICHARD DELOS NOBLE, a citizen of the United States, residing at Sausalito, county of Marin, and State of California, have invented certain new and useful Improvements in Music-Stands; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification.

This invention relates to certain useful improvements in music-stands and to various novel features therein of construction and operation, as hereinafter specified, and illustrated in the drawings accompanying and forming a part of this specification.

My improvements consist in a telescoping main stem, a folding tripod-support therefor, an expandible book or sheet rack, means to secure and hold the latter, and in other features hereinafter fully described, and explained by the aid of the drawings.

The objects of my invention are primarily to provide a music stand and rack that will fold into a small space and be convenient to transport and handle, to extend and hold sheets or books of music and keep them flat, to regulate their height from a floor or ground, and other features hereinafter explained and specified.

Referring to the drawings, Figure I is a view in perspective of one of my improved music-stands. Fig. II is an enlarged elevation of the rack or music-holding devices; Fig. III, a view of the supporting-stand folded; Fig. IV, a view of the music-holding rack folded, and Fig. V an edge view of the same set in an oblique position.

An objection to music-supports is their bulk or want of being conveniently portable, especially for the use of instrumental bands, a feature removed by my invention, which permits a full-size stand and rack to be conveniently packed in a space two and a half inches wide by one and a half inches deep and fourteen inches long and inclosed in a case of that size, which can be carried in a pocket.

Referring to the construction, the main stem 1 is provided with three telescoping extensions

2, 3, and 4, so fitted as to stand at any point when adjusted outward and inward.

The main stem 1 is provided with the usual tripod-support consisting of the legs 5, that are pivoted at 7 and fold inward, as shown in Fig. III, the springs 8 passing inside and outside of the pivotal points 7, so the strain of the spring acts to hold the legs 5 extended and also holds them closed when folded, as in Fig. III.

The music-holding devices (shown in Figs. II, IV, and V) consist of the bottom bars 9, having angular ledges 10 on the bottom sides, and are hinged at 12, so as to fold upward into the position seen in Fig. IV when the vertical clamp-bars 13 and the sliding rivets or pins 14 are released from the slots 15. The vertical clamp-bars 13 to hold the music are when moved from or toward the center held vertical and parallel by the links 17, the lower connections of these sliding in slots 18, formed in the vertical bars 13 and also in the middle bar 19 in the usual manner of such devices to produce parallel movement. The sides of the sheets or books of music 20 are held by the swinging clamps 22, pivoted at 23 to the outer edges of the bars 13 and are held inwardly by the retractive coil-springs 24, so arranged in respect to the hinges 23 that when the clamps 22 are raised the springs will act to hold the clamps 22 open while the music is inserted. At the center and attached to the bar 19 is an extensible coil-spring 27, that when drawn downward and fastened at 26 between the inner ends of the bars 9, as shown in Fig. I, clamps and holds the music; also, permits double-page sheets to be conveniently turned over.

The music rack or support is held on the stem 4 by a projection 28 of the latter, removably inserted in a socket 29 on the back of the bar 19, as shown in Fig. V. When out of use, the structure is folded by removing the music 20, sliding the vertical bars 13 to the center. This releases the pins or sliding clamps 14 through an enlargement on the slots 15, as indicated at 30 in Fig. II. The bars 9 are then set in a vertical position, and the structure is in the form shown in Fig. IV and is removed

from the stand. The supporting-stand is folded by sliding the stems 2, 3, and 4 into the main part 1 and pressing the tripod together, as shown in Fig. III. Then this portion can
 5 be placed within the folded rack, (shown in Fig. IV,) as indicated by the external dotted lines at 32 in Fig. III, and the whole structure when of common dimensions will fit into a case the contents of which is fifty-six cubic inches.

10 Having thus explained the nature and objects of my invention and manner of constructing the same, I claim as new and desire to secure by Letters Patent—

1. In a music-stand, telescoping sections
 15 adapted to slide together, folding tripod-legs pivoted to the bottom section outside of the circumferential limits thereof, and retractile springs attached to said bottom section above and to the tripod-legs below said pivots, so
 20 that they hold the legs close together when folded, and in an expanded position when extended.

2. In combination with an extensible telescoping stem and folding tripod-legs, a music-
 25 rack consisting of bottom bars having angular ledges, centrally pivoted to fold vertically upward, slots in said bottom bars, upright clamping-bars movably carried in said slots, and intermediate extensible connecting-links.

30 3. In combination with an extensible telescoping stem and folding tripod-legs, a music-stand consisting of a central bar, slotted flanged bottom bars centrally pivoted to said bar, to fold upward against the same, upright
 35 sliding bars movably and removably carried in the slots of the bottom bars, spring gripping-clamps attached to said sliding bars, and

pivoted extensible parallel-motion links between said sliding bars and the central bar respectively.

4. In combination with an extensible telescoping stem and folding tripod-legs, a music-stand consisting of a central bar, slotted flanged bottom bars centrally pivoted to said bar, to fold upward against the same, upright
 45 sliding bars movably and removably carried in the slots of the bottom bars, spring gripping-clamps attached to said sliding bars, pivoted extensible parallel-motion links between said sliding bars and the central bar respectively, and an extensible elastic member 27,
 50 attached to the central bar at the top, and attachable at the bottom between the flanged bottom bars, for holding the music-sheets in position.

5. In a music-stand, a rack for music-sheets consisting of slotted flanged bottom bars separately pivoted at the center to fold together
 55 upward in parallel position, upright sliding end bars movably carried in the slots of the said bottom bars, spring gripping-clamps attached to said end bars, and pivoted extensible parallel-motion cross-links secured between said end bars and at the center, to cause
 60 the end bars to move parallel and equally from the center each way.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

RICHARD DELOS NOBLE.

Witnesses:

P. W. J. LANDER,
 C. C. STEVENSON, Jr.