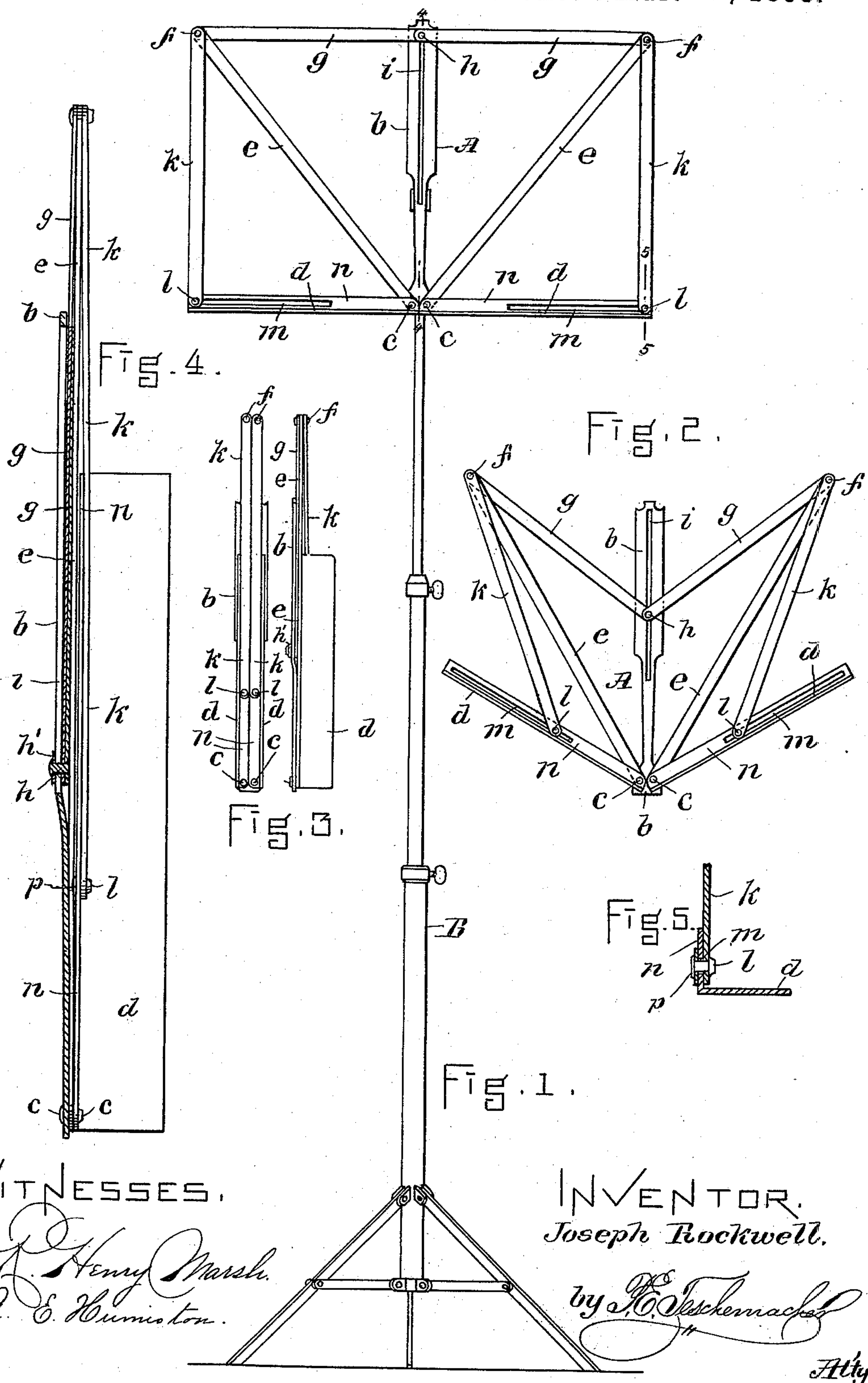


(No Model.)

J. ROCKWELL.
FOLDING MUSIC RACK.

No. 535,557.

Patented Mar. 12, 1895.



WITNESSES.

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UNITED STATES PATENT OFFICE.

JOSEPH ROCKWELL, OF STOUGHTON, MASSACHUSETTS.

FOLDING MUSIC-RACK.

SPECIFICATION forming part of Letters Patent No. 535,557, dated March 12, 1895.

Application filed November 30, 1894. Serial No. 530,477. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH ROCKWELL, a citizen of the United States, residing at Stoughton, in the county of Norfolk and State of Massachusetts, have invented an Improvement in Folding Music-Racks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a front elevation of a music-rack constructed in accordance with my invention. Fig. 2 is a front elevation of the same, partially folded up. Fig. 3 shows in front and side elevation the rack completely folded up. Fig. 4 is an enlarged vertical section on the line 4, 4, of Fig. 1, the rack being folded up. Fig. 5 is an enlarged sectional detail on the line 5, 5, of Fig. 1.

My invention relates to folding music-racks, and has for its object to reduce the number of separate pieces and joints, thereby increasing its strength and cheapening its construction; and also to enable the rack to be opened more easily and quickly than heretofore.

To this end my invention consists in certain novel features and details of construction as hereinafter more fully set forth, and specifically pointed out in the claim.

In the said drawings, A represents my improved folding music-rack, which is adapted to be supported by a stand B of ordinary construction, provided as usual with folding legs, and preferably composed of sections sliding telescopically one within the other in the usual manner to adapt the rack for use when standing or sitting down.

The rack is composed of a central bar *b*, to the bottom of which are pivoted at *c, c*, the two base-bars *d, d*, which form the rest for the lower edge of the music.

e, e, are two diagonal bars also pivoted at *c, c*, to the bottom of the central bar *b* and extending respectively toward the right and left, said bars *e, e*, having pivoted to their upper ends at *f, f*, two bars *g, g*, which form the top of the rack, and are jointed together and at the same time connected to the central bar *b* by means of a single pin or rivet *h* which is adapted to slide within a longitudinal

slot *i* in the central bar *b* to permit the rack to be folded up as shown in Figs. 2 and 3; said pin *h* having a washer *h'* Fig. 4, on its inner end which lies flat against the rear side of the bar *b*, and serves to hold the bars *g, g* in place when their inner ends are slid up and down on the bar *b*.

To the outer ends of the bars *g, g*, and the upper ends of the diagonal bars *e, e*, are pivoted at *f, f*, two side bars *k, k*, the lower ends of which are connected to the outer ends of the base-bars *d, d*, by pivot pins *l, l*, which slide in longitudinal slots *m, m*, in the vertical flanges *n, n*, of the base-bars *d, d*, washers *p, p*, on the ends of the pins *l, l*, fitting against the inner sides of the flanges *n, n*, whereby the bars *k, k*, are kept in place as the pins slide within the slots *m, m*.

The several bars when extended, as shown in Fig. 1, form a rectangular rack, and when said rack is to be folded up, the inner connected ends of the top bars *g, g*, are slid down on the central bar *b*, which movement through the connections described causes the base-bars to be swung upward on their pivots *c, c*, into the position shown in Fig. 2. The lower ends of the side bars are then moved inward toward each other by sliding the pivot pins *l, l*, in the slots *m, m*, and finally the two base-bars are closed up which brings them, together with the diagonal bars, into parallelism with the central bar *b*, the rack then assuming the shape shown in Fig. 3, when it can be easily carried in the pocket if desired.

By providing the central bar and the two base-bars with slots as shown, whereby the top-bars and side-bars are enabled to slide respectively on the central bar and base-bars to permit the rack to be folded up, I am enabled to make said top and side-bars each of a single piece of metal without a joint, instead of making these bars each of two pieces of metal jointed together as heretofore. Furthermore a single rivet only is used for connecting the two top-bars instead of two rivets as heretofore, and as the end of the slot *i* forms a stop to limit the outward movement of the bars *g, g*, no lip or projection on the bar *b* is required for this purpose. Consequently with my improved rack I am enabled to dispense

with four joints hitherto required, and generally to simplify and cheapen the construction, reduce the number of parts, and at the same time render a rack of this description
5 much stronger, stiffer, and more durable than heretofore.

I am aware of the United States Patent of W. H. Howe, No. 501,208, dated July 11, 1893, and make no claim to any of the devices or
10 construction therein set forth.

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

In a folding music-rack, the combination, of the central bar *b* provided with a longitudinal slot *i*, the oppositely extending base-
15 bars *d*, *d*, pivoted to the bar *b*, and each provided with a longitudinal slot *m*, the top-bars *g*, *g*, each formed of a single piece without a joint and connected together and to the cen-

tral bar *b* by a single rivet adapted to slide 20 within the slot *i* of the bar *b*, the side bars *k*, *k*, each formed of a single piece without a joint and pivoted at their upper ends to the top-bars *g*, *g*, and connected at their lower ends to the base-bars by pivot pins adapted 25 to slide within the slots *m*, *m*, of said base-bars, and the diagonal bars *e*, *e*, pivoted to the lower end of the central bar *b*, and to the top-bars and side-bars at the points where they are jointed together, all constructed to oper- 30 ate substantially as and for the purpose set forth.

Witness my hand this 24th day of November, A. D. 1894.

JOSEPH ROCKWELL.

In presence of—

P. E. TESCHEMACHER,
LEWIS C. DELAMATER.