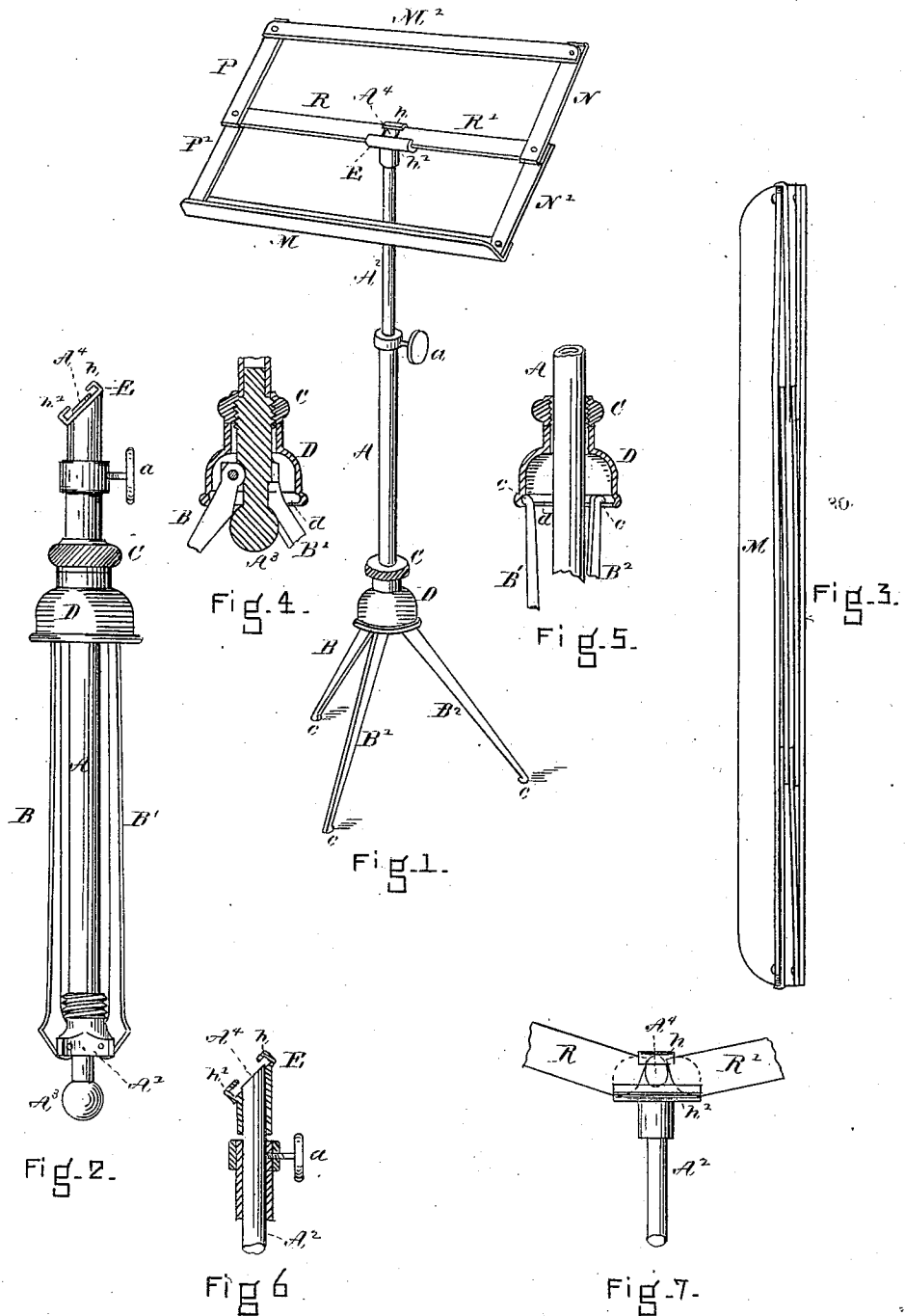


J. A. CROCKER.
Portable Folding Music-Stand.

No. 227,152.

Patented May 4, 1880.



WITNESSES

Frank G. Parker.
Charles H. Fogg.

INVENTOR

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UNITED STATES PATENT OFFICE.

JAMES A. CROCKER, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HOWARD
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PORTABLE FOLDING MUSIC-STAND.

SPECIFICATION forming part of Letters Patent No. 227,152, dated May 4, 1880.

Application filed August 9, 1879.

To all whom it may concern:

Be it known that I, JAMES A. CROCKER, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Portable Folding Music-Stands, of which the following is a specification.

My invention consists of the peculiar construction and combination of the several parts of a portable folding music-stand, and may be best understood by reference to the specification and drawings, of which—

Figure 1 is a perspective view of the music-stand ready for use. Fig. 2 is a view of the supporting part folded up. Fig. 3 is the music-rest proper folded up. Fig. 4 shows, in detail, the leg-joints and the connecting parts. Fig. 5 is a section through the holding-cap D, showing the legs folded up. Figs. 6 and 7 show, in detail, an inclined clasp which serves to connect the music-rest with the stand.

A and A² represent the post. The two parts telescope with each other, and are held at any desired position by the set-screw *a*. The lower part of the post A has a trifurcated piece, A¹.

The three legs B B' B² are pivoted to the part A¹, as shown.

A³, Figs. 2 and 4, is a ball extending below the post A, and forms a stop for the legs B B' B² to rest against when they are turned down, and prevents them from collapsing.

To prevent the legs from opening or spreading out, the cap D closes over them, as shown in Figs. 1 and 4, and, being confined by the screw-nut C, holds them rigidly in position.

When it is desirable to fold the stand the screw-nut C is loosened, and it, with the cap D, is slid up the part A; then the legs B B' B² are folded up, so as to become parallel with the post A, as shown in Fig. 2; then the cap D is slipped down, so as to embrace their extremities and hold them compactly in place, as shown in Figs. 2 and 5.

The lower ends of the legs B B' B² have pro-

jections *c c c*, Figs. 1 and 5, which, when the legs are turned up, will spring into a groove, *d*, made in the inner side of the cap D. (See Figs. 4 and 5.) This device prevents the cap from slipping off the ends of the legs accidentally.

The post A² terminates in an inclined clasp, E, said clasp being fixed at an incline, and has two lips, *h* and *h'*, (see Figs. 1, 2, 6, and 7,) and a boss, A⁴, in its center, (see Figs. 2, 6, and 7,) which serves as a stop for the ends of the pieces R and R' of the music-rest proper. The lip *h* is made shorter than the lip *h'*, and the ends of the pieces R and R' are rounded off on one corner, so that by swinging the same downwardly, as indicated in Fig. 7, the ends may be slipped out of the clasp, or, in case they are already out, may be slipped into the clasp; then by swinging them back into line, as shown in Fig. 1, the frame becomes rigid and firmly keeps its place.

The music-rest consists of the angle-piece M, Figs. 1 and 3, and the pieces N' P', which are pivoted to it, they, in turn, being pivoted to the parts R' N and R P, P and N being pivoted to the part M', all of these parts folding one upon the other, so as to assume the compact form shown in Fig. 3. The inner ends of the pieces R and R' are embraced, when the stand is in use, by the clamp E *h h'*, which holds all the parts of the rest firmly together.

I claim as my invention—

A music-rest proper, consisting of the lower bar, M, the upper parallel bar, M', the hinged end pieces, P P' and N N', and the center bars, R R', rounded off on one corner of their inner ends, all being jointed together in the manner shown, in combination with the inclined clasp E and the central boss, A⁴, substantially as described, and for the purpose set forth.

JAMES A. CROCKER.

Witnesses:

FRANK G. PARKER,
CHARLES H. FOGG.