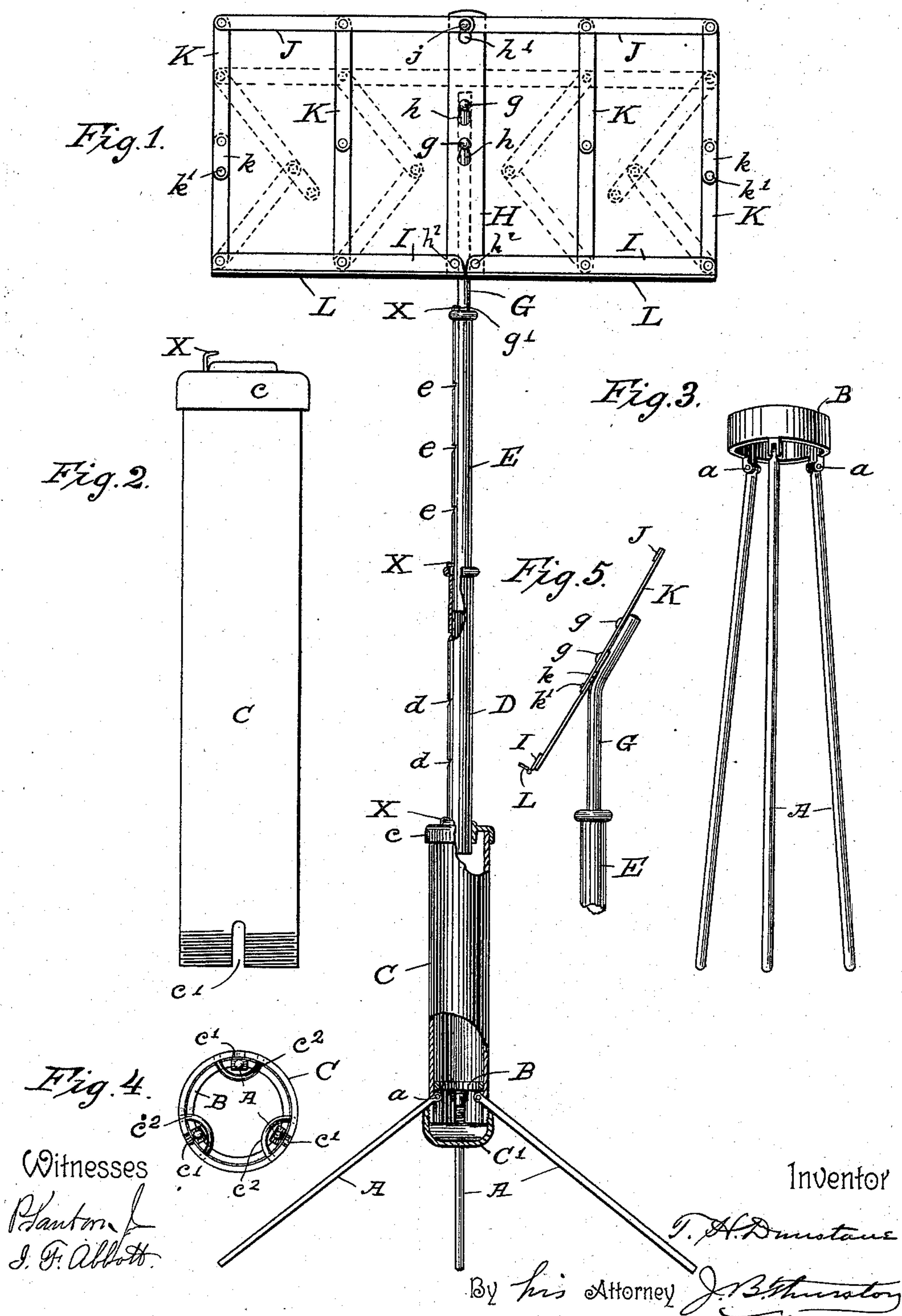


(No Model.)

T. H. DUNSTANE.
ADJUSTABLE MUSIC RACK.

No. 535,685.

Patented Mar. 12, 1895.



UNITED STATES PATENT OFFICE.

THOMAS H. DUNSTANE, OF CONCORD, NEW HAMPSHIRE.

ADJUSTABLE MUSIC-RACK.

SPECIFICATION forming part of Letters Patent No. 535,685, dated March 12, 1895.

Application filed July 10, 1893. Renewed May 23, 1894. Serial No. 512,237. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. DUNSTANE, a citizen of the United States, residing at Concord, in the county of Merrimac and State of New Hampshire, have invented certain new and useful Improvements in Adjustable Music-Racks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same:

This invention relates to that class of music stands which fold up for carrying conveniently, and the object of the invention is to combine strength and utility with a construction which will permit a music stand to be closed into the smallest possible space.

The invention will be fully set forth in the following specification and claim and clearly illustrated in the accompanying drawings forming a part thereof, of which—

Figure 1, is a broken elevation of my improved stand as extended and set up ready for use, showing the telescoping tubes whereby the vertical adjustment of the stand is accomplished. Fig. 2, is an enlarged detached elevation of the larger section of the telescoping support adapted to inclose all the parts comprising my improved music stand, Fig. 3, being an enlarged detached view in perspective, showing a ring to which is pivoted rods forming the feet or legs of the stand. Fig. 4, is an enlarged inverted plan view of the section of the telescoping support shown in Figs. 1 and 2, with the legs and their retaining ring in their relative positions before being extended. Fig. 5, is a broken view of the top section of the telescoping support, carrying the inclined rod and its buttons on which the folding music rack is hung when in use.

Similar reference letters denote corresponding parts throughout the various views.

The feet or legs A, are pivoted at their upper ends at *a*, to a ring B, which is made a movable fit for the interior of the lower section C, of the telescoping support, which may comprise several lengths or sections of tubes shown at C, D, E, and the rod G.

With the exception of the lower section C, each tube fits quite closely one within the other. So also does the rod G; but the lower

section C, is made enough larger than the section D, to admit the legs A, and their retaining ring B, and also the music-rack, composed of the folding parts H, I, J, K, and L.

The part H has elongated openings *h*, one above the other and located about midway from its ends, and a similar opening *h'*, near its top, all three of which are largest at their lower ends. The openings *h*, receive the buttons *g*, of the inclined portion of the rod G, by which the rack is mounted upon or attached to the telescoping support of the music stand, while the opening *h'*, receives a similar button *j*, which forms a pivot connection for the horizontal bars J, of the rack frame.

The horizontal bars I, have their adjacent ends pivoted as at *h*², to the lower end of the bar H, and the upper and lower horizontal portions of the rack frame respectively J, I, are connected by knee-frames K, which assume the position shown in dotted lines while being closed.

The bars L, form a support upon which the lower edge of the music book or a piece of sheet-music rests, and are hinged to the horizontal bars I, of the rack, so as to be folded upon them when not in use, one of which is so shown in the drawings.

The knee frames at each end of the rack are made slightly different from the others, the upper leg being made to overlap the lower leg;—the extension *k*, being provided near its end in each case with a perforation to receive a pin *k'*, secured for this purpose in the lower leg, by which construction the collapsible rack is secured while extended for use.

The telescoping support may be extended, and its sections D, E, and G, held at the required elevation by means of the serrations *d*, *e*, and *g'*, and the stops X, adapted to enter said serrations, and said stops may be made of spring or non yielding material, as their disengagement is effected by a slight movement in a rotative course of one section upon the other.

The lower end of the section C, is slotted as at *c'*, forming outlets for the legs A, and is threaded to fit an interior thread of a cap, C', which serves a double purpose, to wit: when the stand is set up ready for use as seen in

Fig. 1, the cap C', by being applied as shown will hold the legs properly extended, and when all the parts have been folded and put within the section C, the said cap closes the lower
5 end thereof, and the tube C, containing the entire music stand may be readily carried in one's pocket, and when so closed or folded up the whole adjustable rack is reduced to one piece for transportation. Wire stops c^2 , may
10 be secured within the said section C, near its lower end, which will prevent the ring B, from dropping out.

What I claim is—

In an adjustable music-rack, the combina-
15 tion, with a cylinder, one end of which is provided with a perforated cover and the other end is slotted longitudinally and also screw-threaded substantially the length of the slots, a ring within the cylinder, legs pivotally se-
20 cured to the ring and adapted to be projected

through the slots of the cylinder, an interiorly screw-threaded cap on the screw-threaded end of the cylinder adapted to hold the legs in an expanded position when the stand is set up and to hold them within the cylinder 25 when closed, a series of telescopic tubes within the cylinder, the upper end of which is provided with a collapsible rack, the exterior diameter of the larger of said tubes being less than the interior diameter of the cylinder, 30 whereby the ring may be moved between the cylinder and the tube, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS H. DUNSTANE.

Witnesses:

J. B. THURSTON,
CARRIE E. EVANS.