

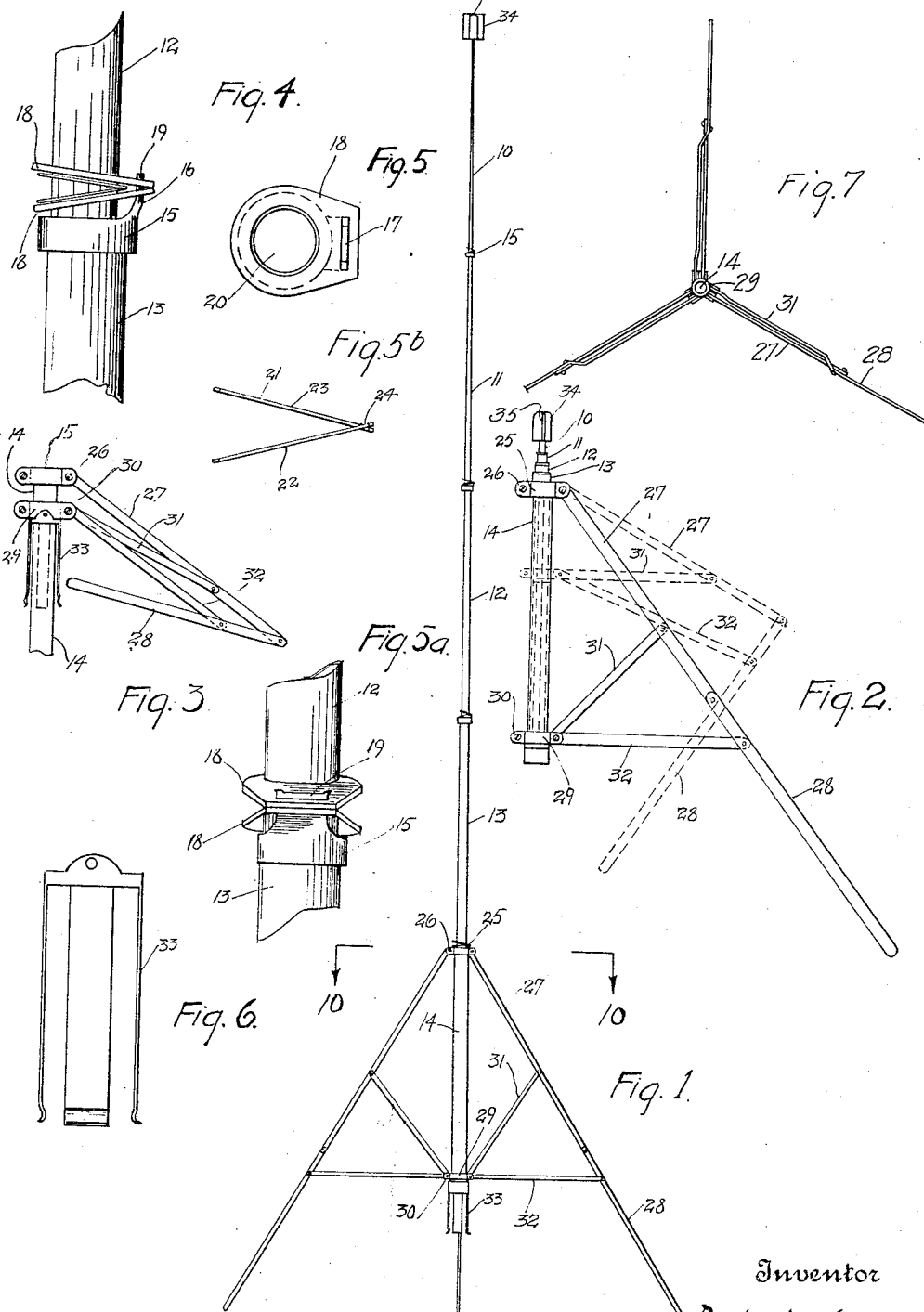
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COLLAPSIBLE MUSIC STAND

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COLLAPSIBLE MUSIC STAND

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This invention relates to improvements in music stands, particularly to foldable music stands which allow a folding of the stand into a compact form for conveniently carrying the same in a casing.

It is the principal object of my invention to provide a music stand the telescoping parts of the post of which are held in their extended position by means of novel and improved locking members so that in their extended position the rods will be prevented from accidental telescoping even under a comparatively heavy weight as for instance a book.

Another object of my invention is the provision of a novel and improved foot part for the stand allowing a convenient unfolding of the parts thereof and equipped with means for preventing a binding of the feet with the post during the initial unfolding movement.

A still further object of my invention is the provision of a novel and improved foldable music stand of comparatively simple and therefore inexpensive construction, yet durable and efficient in operation.

These and other objects and advantages of my invention will become more fully known as the description thereof proceeds, and will then be specifically defined in the appended claims.

In the accompanying drawing forming a material part of this disclosure:

Fig. 1 shows the telescoping standard of the music stand constructed according to my invention, extended.

Fig. 2 is a fragmentary view of the foot part of the stand extended and ready for use.

Fig. 3 is a view similar to Figure 2 with part of the foot partly folded.

Fig. 4 is a side elevation on an enlarged scale of one of the locking elements for the telescopic rods of the standard.

Fig. 5 is a top plan view thereof.

Fig. 5^a is a detail view of a member of the lock.

Fig. 5^b is a detail edge elevation of a spring member;

Fig. 6 is a detail view of a spring arrangement for keeping the parts of the foot away from the post for preventing locking.

Fig. 7 is a top plan view of the foot part

seen in the direction of line 10—10 of Figure 1.

As illustrated, the music stand constructed according to my invention consists essentially of a plurality of telescoping rods 10, 11, 12 and 13 adapted to be telescoped and in their telescoped state to be received by a foot member 14.

In their extended condition the single telescoping rods are locked against movement in the following manner: A collar 15 is provided at the outer upper end of each rod having an upstanding member 16, the upper end of which is passed through transverse slots 17 in the ends of two plates 18, 18' and then split, as at 19, to make it wider for preventing the plates 18, 18' from slipping off.

Each of the plates has an opening 20 formed therein for allowing the passage of the telescoping rods, and between the plates are inserted spring plates 21, 22, which are provided with openings 23 for the passage of the telescoping rods and connected at their rear ends, as at 24. The spring plates tend to keep the front parts of plates 18, 18' apart and in this manner bind the two adjoining rods against movement, while a compression of the spring plates will allow their telescoping.

The foot part of the stand is composed of a collar 25 adapted to slide along the outer face of member 14 and equipped with a plurality of outstanding ears 26 to the outer end of each of which a bar 27 is pivotally attached at its upper end.

To the lower end of each of said bars 27 are pivotally attached the inner ends of bars 28 constituting the feet of the stand by engagement of the floor with their outer ends.

Another movable collar 29 is movably provided on rod 14 below collar 25, and is also provided with projecting ears 30 to which are pivotally attached the inner ends of braces 31, the outer ends of which are pivotally attached to rods 27.

The ears 30 have also pivotally attached thereto the inner ends of braces 32, pivotally attached at their outer ends to the foot bars 28.

Springs 33 depending from collar 29 par-

allel to rod 14 have the tendency to engage during the folding of the foot part of the music stand the inner edges of part 28 to prevent binding thereof with the post and allowing a free unfolding of the same.

The upper end of telescopic rod 10 carries a head comprising a plate 34 carrying in its center a narrow block 35 raised above the plane of the upper surface of plate 34, for the attachment of a music holder.

For use my music stand is set up in the following manner: Plates 18, 18' of each successive member or rod are pressed together at their front ends against the action of springs 21, 22 and the rods are drawn out of the position illustrated in Figure 1, it will be clear that upon the successive release of each pair of plates the springs will press the same apart for firmly engaging the rod and binding therewith and hold the same against telescoping even under a heavy weight.

The foot is unfolded in the manner illustrated in Figures 2 and 3 whereby springs 33 engaging the outer edges of foot parts 28 will prevent their binding on post 14 and assist in the unfolding.

It will be understood that I have described and shown the preferred form of my device only as one example of the many possible ways to practically construct the same, and that I may make such changes in the general arrangement thereof and in the construction of its minor details, as come within the scope of the appended claims without departure from the spirit of my invention and the principles involved.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. In a collapsible music stand, a post composed of a plurality of telescoping rods, a collar on each rod, an upstanding member formed with each collar, a pair of plates having median perforations allowing the passage of the rods, and a transverse slot through which said upstanding member is passed, and means for keeping the plates apart for binding with said rods.

2. In a collapsible music stand, a post composed of a plurality of telescoping rods, a collar on each rod, an upstanding member formed with each collar, a pair of plates having central openings allowing the passage of the rod, and a transverse slot through which said upstanding member extends, and a perforated spring plate bent upon itself between said pair of plates normally pressing the same apart to bind with said rod for locking the same against movement.

Signed at New York, in the county of New York, and State of New York, this 11th day of April, A. D. 1930.

DEXTER M. WRIGHT.