March 8, 1949. S. FIEDEL 2,464,031

KNOCKDOWN STAND

Filed June 18, 1946

Fig. 1.

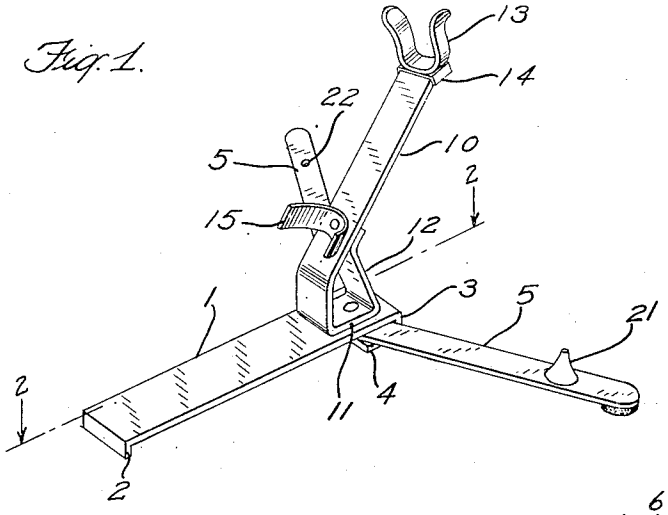
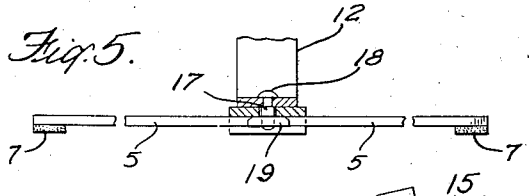


Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.



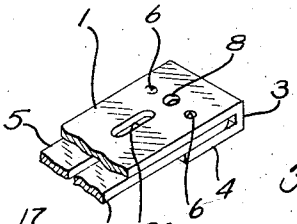


Fig. 7.

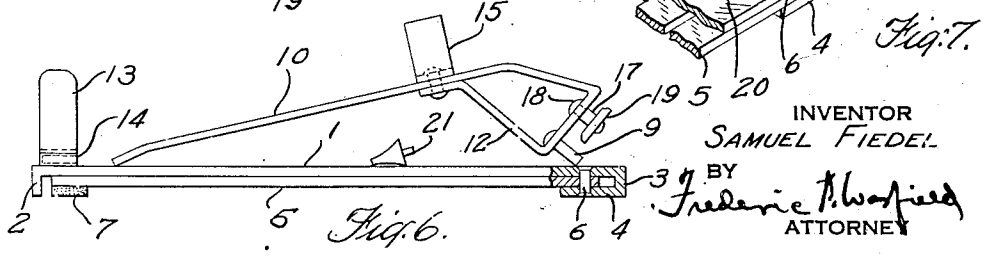


Fig. 6.

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KNOCKDOWN STAND

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2 Claims. (Cl. 248—150)

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This invention relates to foldable, knockdown stands which can be utilized for various purposes, such as supporting and displaying apparel, photographic equipment and lighting, display signs, book and music holder, instrument holders, and the like.

The object of the invention is to provide a stand which can be folded compactly and when open may be effectively locked into position, while at the same time the stand is composed of relatively few parts, involving a minimum of cost both in the manufacture of parts and in the assembling thereof.

Other objects of the invention will in part be obvious and will in part appear hereinafter.

The invention accordingly comprises an article of manufacture possessing the features, properties, and the relation of elements which will be exemplified in the article hereinafter described, and the scope of the application of which will be indicated in the claims.

For a fuller understanding of the nature and objects of the invention reference should be had to the following detailed description taken in connection with the accompanying drawing, in which:

Fig. 1 is an isometric view of the stand as it appears in open and locked position with supports supplied for use as a saxaphone stand and an additional support for use as a clarinet holder;

Fig. 2 is a section on the line 2—2 of Fig. 1;

Fig. 3 is a section on the line 3—3 of Fig. 2;

Fig. 4 is a bottom plan view of the central frame member with the two legs, pivoted thereto, folded into collapsed position beneath the frame member;

Fig. 5 is a section on the line 5—5 of Fig. 2;

Fig. 6 is a section on the line 6—6 of Fig. 4 showing the various parts as they would appear when in knockdown position for packing in a limited space; and

Fig. 7 is an isometric detail looking from above at the right hand end of parts shown in Fig. 4.

As shown a main central member or bar 1 is turned down at each end to provide end supports 2 and 3. End support 3 carries a bracket 4. Side legs 5 are pivoted at their inner ends upon rivets 6 passing through the main bar 1 and bracket 4. The outer ends of legs 5 are provided with pads 7 which may be integral therewith.

Central hole 8 between the holes for the two rivets 6 extends down through the main bar 1 and bracket 4 for reception of pin 9 on the central support 10 which as shown has a lower

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base part 11 and a stiffening strut 12. The upper end of support 10 carries a stirrup 13 with a sleeve 14 so that the stirrup may be slipped on to the upper end of central support for use as a saxaphone holder or removed for packing as shown in Fig. 6. Lower down on central support member 10 is a lower saxaphone holding stirrup 15.

The folding legs 5 have notches 16 at their inner ends which register with the opening 8 only when these legs are in their extended position as shown in Figs. 1 and 2, thereby locking the folding legs in extended position and tending to lock the central support in its position. When the legs are not in extended position pin 9 cannot pass down through opening 8 and the stand can be assembled accordingly only in the correct position. The central support also carries a member consisting of a central pin 17, a rivet head 18 and a lower elongated locking piece 19 fixedly carried by the pin 17.

In assembling, the central support pin 9 is passed down through the hole 8, the rivet pin 17 is turned so that its lower locking piece 19 will pass through the elongated opening 20 in the frame member, and thereupon by turning the member 17 the locking piece 19 is carried with it to a position across the frame bar 1 and the parts are then locked in position as shown in Figs. 3 and 5. When the stand is to be knocked down the pin 17 is turned to a position such that the support 10 can be lifted from the frame 1 whereupon the legs 5 will be free to be folded in to the position shown in Fig. 4.

At 21 in Figs. 1, 2 and 6 is shown a clarinet rest pinned into one of the openings 22 in the side legs. This provides a support for a clarinet as well as a saxophone and the clarinet support as shown in Fig. 6 can be readily lifted out of its hole and packed as shown in Fig. 6.

The turned down end supports 2 and 3 of the main bar 1 and the pads 7 of the side legs 5 are of such demensions that the entire support may rest evenly upon any surface upon which it is placed while in extended position and also as shown the side legs pivot to fit snugly under the main bar in knockdown position.

It will be seen that I have thus supplied a knockdown stand suitable for various purposes, carrying out the stated object of the invention and others which will be obvious.

As shown the central supporting arm 10 takes off from the base part 11 so that the locking member 17 is between the support 10 and the pin 9. This arrangement can be readily changed

so that support 10 is connected to base 11 between the pin 9 and the rotatable locking member 17 or at the other end of base 11 from that shown, so that the pin 9 would be between the rotating locking member and the support arm 10.

Since certain changes may be made in the above article and different embodiments of the invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the following claims are intended to cover all of the generic and specific features of the invention herein described, and all statements of the scope of the invention which as a matter of language might be said to fall therebetween.

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

1. In a knockdown stand, a frame member, legs pivoted at one end thereof, foldable beneath said frame member at one position and acting as supporting legs for the stand in their extended position, a supporting arm carried above said frame member, a pin carried by said supporting arm passing through an opening in said frame member and locking said side legs in extended position, a locking member rotatably carried by said supporting arm, having an elongated locking part passing through an elongated orifice in said frame and rotatable after passing through said orifice to lock said supporting arm to said frame.

2. In a knockdown stand, a frame member, legs pivoted at one end thereof, foldable beneath said frame member at one position and acting as supporting legs for the stand in their extended position, a supporting arm carried above said frame member, a pin carried by said supporting arm passing through an opening in said frame member and locking said side legs in extended position, the legs having notches in their inner ends cooperating with said pin to lock the legs in extended position.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,464,279	Hindley	Aug. 7, 1923
1,773,237	Naujoks et al.	Aug. 19, 1930
2,099,116	Kalmbach	Nov. 16, 1937