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W. NAUJOKS ET AL

1,773,237

COMBINATION FOLDING SUPPORT FOR MUSICAL INSTRUMENTS

Filed June 29, 1927

2 Sheets-Sheet 1

Fig. 1.

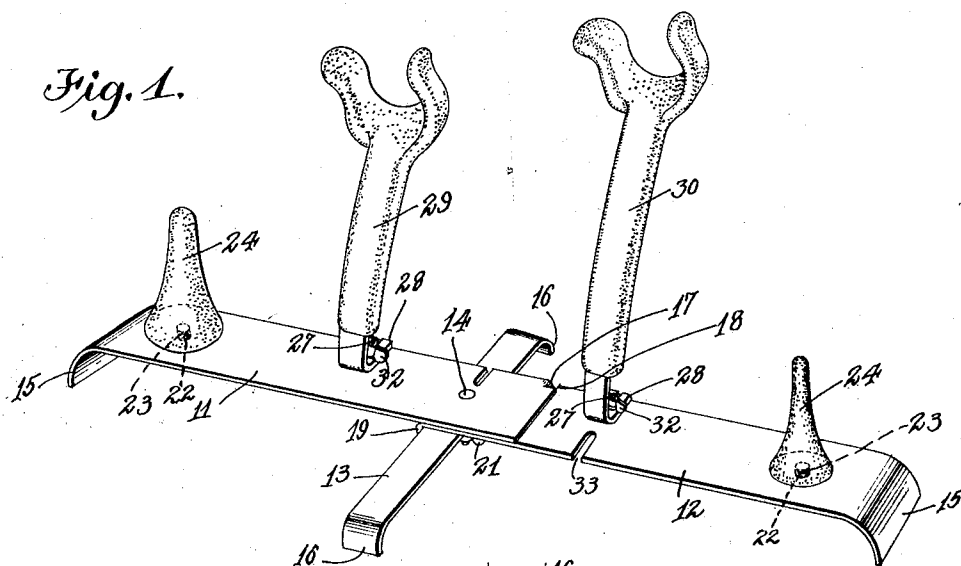


Fig. 2.

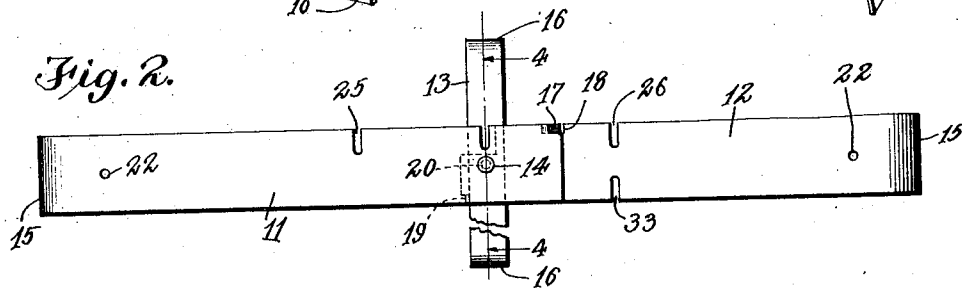
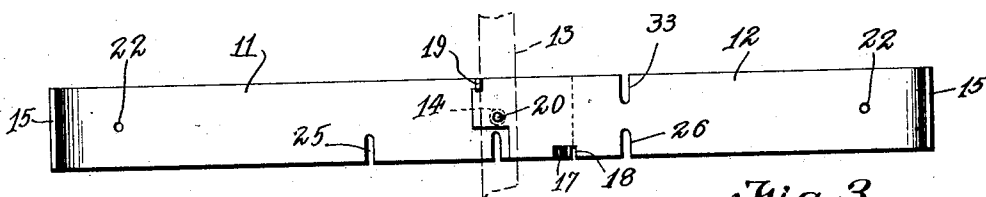


Fig. 3.

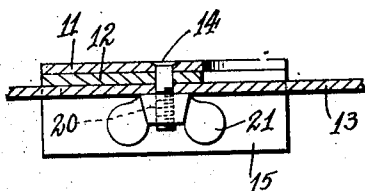


Fig. 4.

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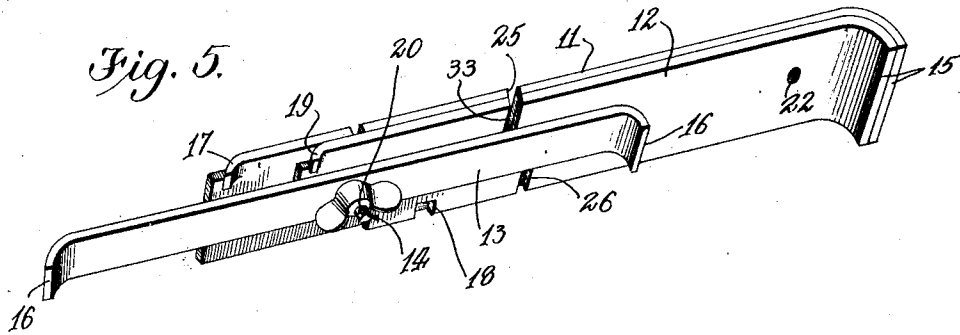
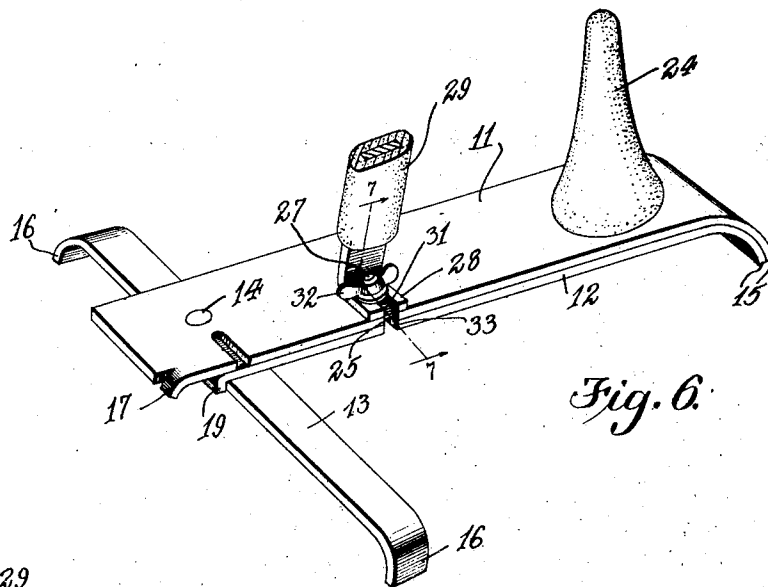
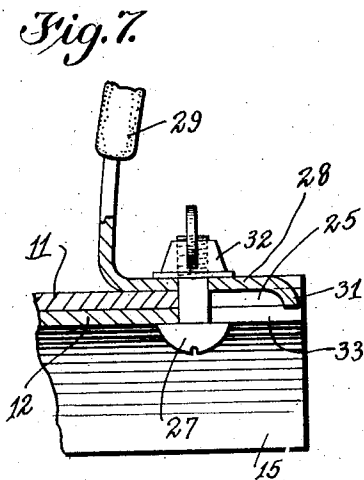
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2 Sheets-Sheet 2



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COMBINATION FOLDING SUPPORT FOR MUSICAL INSTRUMENTS

Application filed June 29, 1927. Serial No. 202,285.

This invention relates to combination folding supports of the type employed for holding saxophones, clarinets, and the like.

An object of the invention is to provide a support of this character that can be easily opened and closed.

Another object is rigidity of the support when open.

Another object is to make provision for using the support in its partly extended condition as well as in its fully extended condition, the condition in which it is placed depending upon the number of musical instruments that it is desired to support.

A further object is to improve the construction whereby the instrument clamps are detachably secured in place.

The accompanying drawings illustrate the invention.

Figure 1 is a perspective view of a combination folding support constructed in accordance with the provisions of this invention.

Figure 2 is a plan view of the support, omitting the instrument holding plugs and clamps, a portion of one of the legs being broken away.

Figure 3 is an inverted plan view of the construction shown in Figure 2, one of the legs being indicated only in broken lines.

Figure 4 is an enlarged sectional detail on the line indicated by 4—4, Figure 2.

Figure 5 is a perspective view of the support folded, the instrument supporting plugs and clamps being omitted.

Figure 6 is a perspective view showing the support partially folded so as to reduce the length thereof.

Figure 7 is a sectional elevation on the line indicated by 7—7, Figure 6.

Referring to the drawings, there are provided three pivotally connected legs 11, 12 and 13. The pivot is indicated at 14 and passes through all three legs, being positioned near the adjoining ends of the legs 11, 12 and somewhat close to the middle portion of the leg 13. The outer ends of the members 11, 12 are downwardly bent to form feet 15 and both ends of the leg 13 are downwardly bent to form feet 16. The distances between the

respective bent ends and the axis of the pivot 14 are such that nesting of the bent ends one within another is accomplished when the legs are folded together. The feet 15, 16 terminate in planes that are approximately at right angles to the planes in which the legs fold and unfold so that the feet will stand securely on the floor when the legs are unfolded and will nest one within the other when the legs are folded. Pivoting the legs in the manner mentioned above, enables the three legs to be disposed, as illustrated in Figure 5, longitudinally of one another so as to place the support in folded condition; or to dispose the legs 11, 12 longitudinally of one another and the leg 13 transversely thereof as shown in Figure 6, so as to place the support in a partial open or unfolded condition; or to be disposed with the legs 11, 12 extended and the leg 13 positioned transversely of the legs 11, 12, as shown in Figure 1, so as to place the support in the fully open or unfolded condition.

The feet 15, 16 are adapted to rest upon the floor, thus supporting the legs somewhat above said floor. The legs 11, 12 are provided with inter-engaging means constituting a stop so that it may be easily determined when the legs 11, 12 have been opened out into position to bring their longitudinal edges into alinement. In this instance, said inter-engaging means comprise a shoulder 17 on the member 11 engageable against the bottom wall of a notch 18 cut in one edge of the member 12. The shoulder 17, in this instance, is formed by bending downwardly a portion of the metal of the member 11 as clearly seen in Figure 6.

Suitable means are also provided to enable one to readily determine when the leg 13 is in position exactly at right angle to the legs 11, 12 and, in this instance, said means comprises a shoulder 19 projecting downwardly from the member 12 into position to be engaged by one edge of the leg 13 when said leg 13 extends transversely of the member 12 as in Figures 1 and 6. In this instance, the shoulder 19 is formed by bending down a portion of the metal at one end of the member 12. When the members 11, 12 are folded the feet 15 nest.

The pivot 14, in this instance, is screw threaded at 20 to receive a wing nut 21, said threaded pivot and wing nut constituting one form of means for clamping the legs 11, 12, 13 in the various positions for placing the support in the folded, partly open and fully opened conditions.

The members 11, 12 are provided with threaded holes 22 to receive the threaded pins 23 that project from the lower ends of instrument holding plugs 24, said plugs being adapted to engage in the bell ends of the clarinets, in a manner well understood in this art, so as to support said clarinets in upright position. Thus, the plugs 24 are detachably connected with the legs 11, 12.

The legs 11, 12 are provided with notches 25, 26 respectively to receive screws or bolts 27 that project from the lower angular ends 28 of instrument clamps 29, 30, said instrument clamps being of the type used for supporting saxophones in a manner well understood in this art.

As a feature of this invention, it is to be noted that portions of the ends of each of the members 28 are struck or bent downwardly to form shoulders 31 corresponding in width to the notches 25, 26, so as to enter said notches and prevent movement of the clamps 29, 30 about the shoulders 27. Wing nuts 32 on the bolts 27 hold the clamps 29, 30 securely in position.

In Figure 1 the support is in fully opened condition and both plugs 24 and clamps 29, 30 are mounted ready for use. In Figure 6 the legs 11, 12 are folded together and only one of the plugs 24 is in place ready for use, the same being shown attached to the upper leg 11. Also, only one of the clamps is mounted on the leg 11 and the bolt 27, in this instance, extends not only through the slot 25 but also through another slot 33 which opens to one edge of the leg 12 and is so positioned that it accurately registers with the slot 25 when the legs 11, 12 are folded together, as in Figure 6.

The foregoing will enable those skilled in the art to make and use the invention and, in brief, the operation of the invention is as follows: If the musician employing the support is to use the number of different instruments requiring him to use the support in fully opened condition, shown in Figure 1, he will place the support in such condition, from the folded condition shown in Figure 5, by loosening the thumb nut 21 and swinging the legs 11, 12 on the pivot 14 into position to cause the shoulder 17 to engage in the notch 18.

He will also swing the leg 13 into position to engage the shoulder 19 with the edge of the leg 13. He will then screw the plugs 24 into the legs 11, 12 and attach the clamps 29, 30 in the manner hereinbefore described.

If the musician is to play a less number of instruments, he will not unfold the legs 11,

12, leaving them in the positions shown in Figure 6, but he will swing the leg 13 into position extending transversely of the legs 11, 12, thereby giving stability to the support in its partly open condition.

To fold the support, the operations described above will be performed in a reverse order.

We claim:

1. A combination folding support for musical instruments comprising three pivotally connected legs, the pivoted ends of the legs being in superposed relation, two of said legs adapted to fold together into positions longitudinally of one another and to be extended into positions in parallelism, the third leg adapted to be turned into a position parallel to the other legs and into a second position transversely of said other legs, said legs having downwardly bent ends terminating in planes approximately at right angles to the planes in which the legs fold and unfold, and an instrument holding means mounted on one of the first mentioned legs.

2. A combination folding support for musical instruments comprising two mainly flat members pivoted together near one end so as to slide one beneath the other into folded position, the free ends of said members bent downwardly to form feet, a third mainly flat member pivoted to the first mentioned members so as to slide beneath the undermost of the first mentioned members, one end of the third member bent downwardly to form a foot, the feet terminating in planes approximately at right angles to the planes in which the legs fold and unfold, and instrument holding means detachably mounted on the first mentioned members.

3. A combination folding support for musical instruments comprising two pivotally connected legs, said legs having downwardly bent ends terminating in planes approximately at right angles to the planes in which the legs fold and unfold, the distances between the respective bent ends and the pivot being such that the legs are adapted to be turned into a folded position parallel to one another with the downwardly bent ends nested one within the other, said legs adapted to be turned into a second position transversely of one another, and an instrument holding means mounted on one of said legs.

4. A combination folding support for musical instruments comprising three pivotally connected legs, two of said legs adapted to fold together into positions longitudinally of one another and to be extended into positions in parallelism, one of the two last mentioned legs provided with a shoulder projecting into position to engage the other of the two last mentioned legs when said two last mentioned legs are in the second mentioned positions, the two last mentioned legs each provided with a slot opening to one edge of

the leg and the slots registering when said two
last mentioned legs are folded together, the
third leg adapted to be turned into a posi-
tion parallel to the other legs and into a sec-
5 ond position transversely of said other legs,
and an instrument holding means on one of
the last mentioned legs, said instrument hold-
ing means including a bolt engageable with
the slot in one leg when the slotted legs are
10 extended and engageable with the slots in
both slotted legs when said slotted legs are
folded together, and the instrument holding
means including a nut on the bolt.

Signed at Los Angeles, Calif., this 2 day
15 of June, 1927.

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