Oct. 9, 1945. N. SOLBERG 2,386,576

MUSIC HOLDER FOR CLARINET AND BAND INSTRUMENTS

Filed Sept. 2, 1943 2 Sheets-Sheet 1

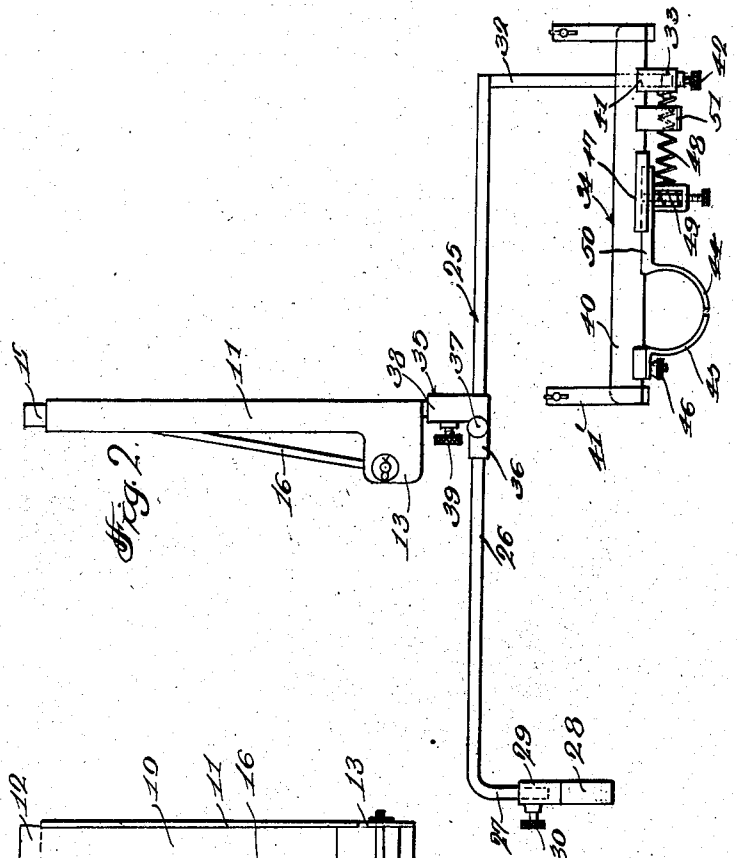


Fig. 2.

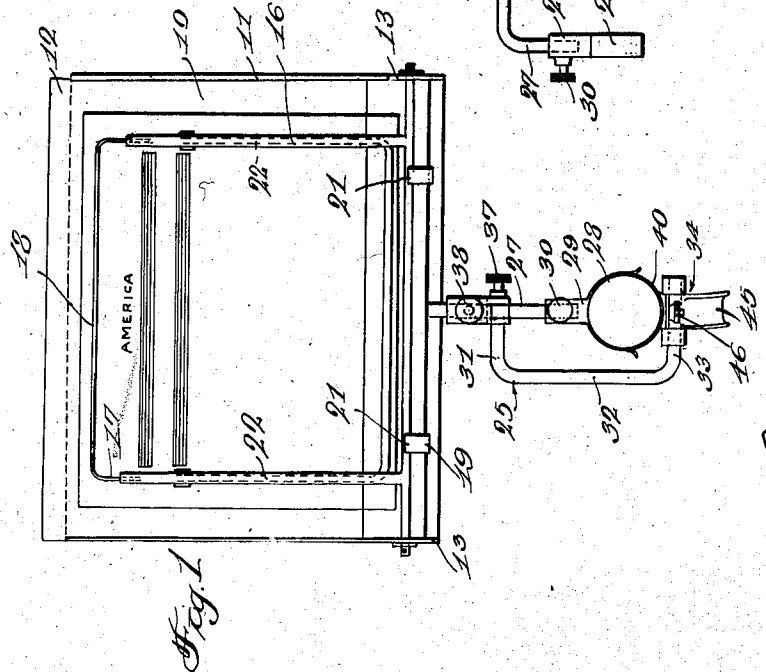


Fig. 1.

Nils Solberg
Inventor

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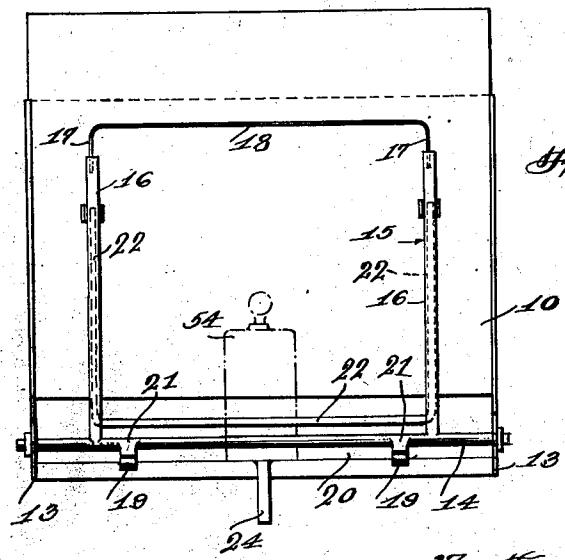


Fig. 3.

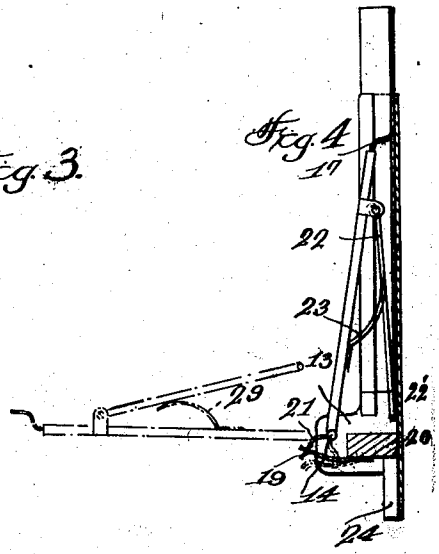


Fig. 4.

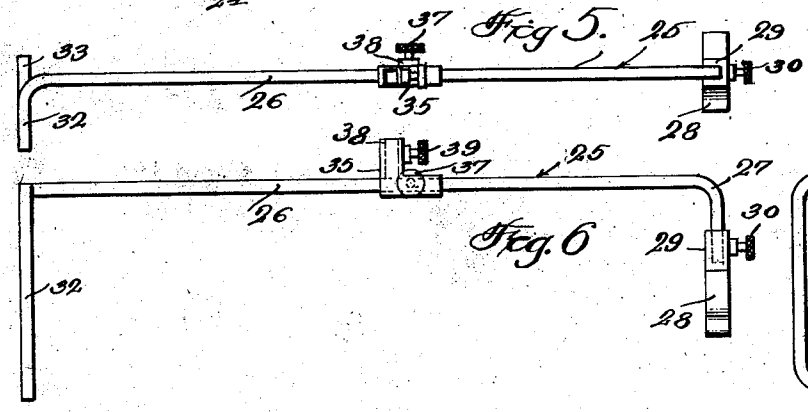


Fig. 5.

Fig. 6.

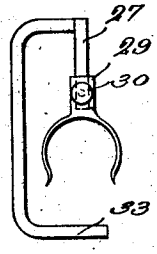


Fig. 7.

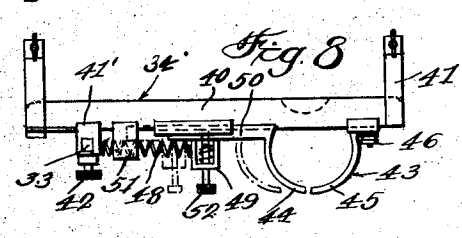


Fig. 8.

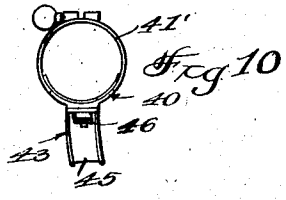


Fig. 10.

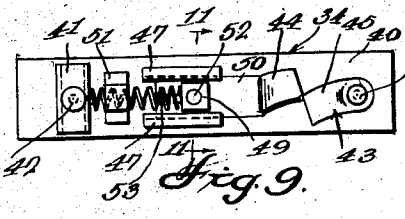


Fig. 9.

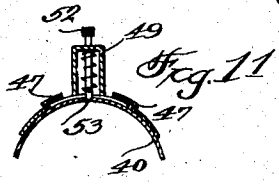


Fig. 11.

Nils Solberg

Inventor

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UNITED STATES PATENT OFFICE

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MUSIC HOLDER FOR CLARINET AND BAND INSTRUMENTS

Nils Solberg, Duluth, Minn.

Application September 2, 1943, Serial No. 500,961

5 Claims. (Cl. 45—82)

This invention relates to a music holder particularly adapted for attachment to band instruments and particularly a clarinet and it consists in the constructions, arrangements and combinations herein described and claimed.

It is an important object of the invention to provide a music holder which may be quickly attached to a band instrument and in which the music support is adjustable to accommodate far and near sighted musicians.

A further object of the invention is the provision of an adjustable thumb hook whereby the holder and clarinet will be readily supported upon the thumb of a musician in a comfortable, yet secure manner.

Additional objects, advantages and features of invention will be apparent from the following description and accompanying drawings, wherein,

Figure 1 is a front view of the holder and the instrument support,

Figure 2 is a side elevation thereof,

Figure 3 is a front view of the music holder detached from the clarinet support means,

Figure 4 is a vertical section thereof,

Figure 5 is a top plan view of the clarinet support bar.

Figure 6 is a side elevation thereof,

Figure 7 is an end view thereof,

Figure 8 is a side elevation of the adjustable thumb hook,

Figure 9 is a bottom plan view thereof.

Figure 10 is an end view thereof.

Figure 11 is a cross section on the line 11—11 of Figure 9.

There is illustrated a music support 10 substantially rectangular in plan, having respective short side walls 11 between which an auxiliary support 12 is adjustably retained, the latter being extensible to accommodate larger sheets of music as required. At the lower edge of the walls 11 forwardly extended flanges 13 are formed suitably apertured for oscillatably mounting a shaft 14 of a clamp device 15. The clamp 15 consists of a pair of suitably spaced arms 16 integrally formed with the shaft 14 and of a length less than the height of the support 10, the outer ends of the arms being provided with longitudinal bores into which respective terminal ends 17 of a clamp wire 18 are frictionally engaged. The clamp wire 18 may be adjusted lengthwise of the arms 16 so as to engage sheet music of larger sizes. The arms 16 and the wire 18 are firmly pressed against the upper edges of the sheet music by virtue of springs 19 secured between a mounting block 20 and springs 21 on the rod 14, as may be clearly seen in Figure 4. In order to support the lower edges of the music sheets a U-shaped clamp 22 is hingedly attached adjacent the upper ends of the arms 16, the bight portion 22' extending between the arms 16. A flat leaf spring 23 is secured to each arm adapted to engage respective side ledges of the clamp 22, adjacent respective pivotal points of the latter. Thus the springs 23 tend to force the clamp 22 against the lower edges of the sheets of music.

In the medial vertical axis of the holder 10, the block 20 is formed with a depending square stud 24 which provides a means for securement to an instrument holder 25, as will now be explained, attention being invited particularly to Figures 5, 6, and 7. An angular bar 26 is employed, of such length as to support the band instrument to which it is applied, one end 27 of which is bent to receive an open ended clasp 28. In the present instance the clasp embodies an angular socket 29 within which the end 27 is inserted and is held in place by a thumb screw 30. The opposite end of the bar is bent intermediate its length as at 31, thence downwardly so as to extend in a vertical plane as at 32, and then finally bent at right angles so as to lie in a horizontal plane in the form of a support arm 33, for securement of an instrument support and thumb hook, generally indicated by the reference character 34, as will be explained.

For securing the holder 10 to the bar 26, I provide a chuck 35, which consists of a base member 36 having an angular opening corresponding to the cross sectional shape of the bar 26, and receives the latter therethrough. The base member 35 is slidable upon the bar, but may be secured in a desired position by means of a thumbscrew 37. Integrally formed with the base 35, there is an upstanding collar 38, having an angular aperture into which the stud 24 is positioned. A thumb screw 39 is employed for holding the stud 24 and music holder 10 in proper position. From the foregoing, it will be apparent that by loosening the thumb-screw 37 the chuck 35 and the associated music holder 10 may be moved longitudinally along the bar 26 so as to accommodate the device to musicians having near or far vision.

The clasp 28 will engage a forward portion of an instrument for partial support of the music holder 10, while the combined instrument support and thumb hook 34 functions for retention of the instrument in proper position with respect to the

music holder 10. An elongated saddle 40 is employed, suitably shaped to receive the body of the instrument therewith and preferably the instrument is firmly secured therein by means of clamp collars 41' at respective ends of the saddle. Adjacent the front end of the saddle 40 a block 41 is secured, the latter having an angular opening for reception of the arm 33. A thumb nut 42 is employed to secure the block 41 in an adjusted position upon the arm.

Upon the underside of the saddle a separable thumb hook 43 is mounted, consisting of two semicircular members 44 and 45, the latter being pivotally mounted upon a stud 46 and having an edge complementary to a bias cut edge of the member 44. The thumb member 44 is longitudinally slidable between opposed guides 47 and is held in operative position against the member 45 by means of a helical spring 48 interposed between the member 41 and a loop member 49 secured upon the longitudinal extension 50 of the thumb member 44. If found necessary, a guide 51 may be employed to insure proper retention of the spring.

In order that the thumb member 44 may be held in a retracted position, a spring-pressed pin 52 is employed, suitably mounted in the loop 49 and complemental to spaced openings 53 formed in the saddle 40.

If desired, a flashlight 54 may be suitably supported upon the music holder 10, which of course, would be essential when a musician is required to play at night.

From the foregoing it will be seen that I have provided a very simple construction for support of sheet music, in which the holder proper is adjustably supported and in which the entire device may be quickly attached or detached from the thumb of a musician.

It is to be understood that while I have disclosed my invention in full details in the best form known to me, nevertheless, this is purely exemplary, and various modifications in the construction, and arrangement of parts, substitution of materials and mechanical equivalents may be made without departing from the spirit of the invention, except as more specifically set forth in the appended claims.

I claim:

1. In a device of the character described, an elongated member designed to be positioned longitudinally of a musical instrument such as a clarinet, means at each end of the member for detachable connection with the instrument, a thumb hook carried by the member upon the side of the member opposite from said means, and comprising two arcuate parts, one of said parts being secured to the member against movement longitudinally thereof, the other one of said parts being attached to the member for sliding movement thereof, resilient means normally urging movement of the said other part toward and into cooperative relation with the said one part, and means for securing the said other part of the hook against movement.

2. In a device of the character described, a relatively long transversely arcuate saddle adapted to position against and receive the side of a musical instrument such as a clarinet, means at each end of the saddle which encircle the instrument to secure the saddle thereto, a substantially circular thumb hook upon the side of the saddle opposite from said means and comprising two portions, one of said portions being attached to the saddle and held thereon against movement longitudinally thereof, the other of said portions having an extension positioned against the saddle, spaced guides carried by the saddle between which said extension is slidably held, a fixed member upon the saddle spaced from said extension, and a spring attached at one end to said fixed member and coupled at its other end with said extension and normally urging the said other portion of the substantially circular member toward the said fixed one portion thereof.

3. A device as set forth in claim 2, with means carried by said extension for connection with the saddle at selected points longitudinally thereof.

4. A device as set forth in claim 2, in which the said fixed member attached to the saddle has a socket forming opening therein, and a binding screw threaded into the fixed member for extension into said opening for binding engagement with an element inserted into the opening.

5. A device of the character stated for connection with a musical instrument such as a clarinet, comprising a relatively long member designed to position against the side of the instrument to extend longitudinally thereof, means for securing the member at its ends to the instrument, a block body secured to the member and having a laterally directed opening, a binding screw carried by the block for extension into the opening, a relatively long rod, a clasp carried by the rod at one end adapted to receive the instrument, the rod at its other end being shaped to provide an offset terminal portion extended into said opening, said rod being supported longitudinally of the instrument upon the side thereof opposite from the member, a slide mounted upon the rod for movement longitudinally thereon, and means forming a part of the slide facilitating the attachment of a music support thereto.

NILS SOLBERG.