March 3, 1953 G. A. FINDER 2,630,255

ADJUSTMENT FOR SAXOPHONE NECK SUPPORT

Filed March 8, 1948



FIG. 1

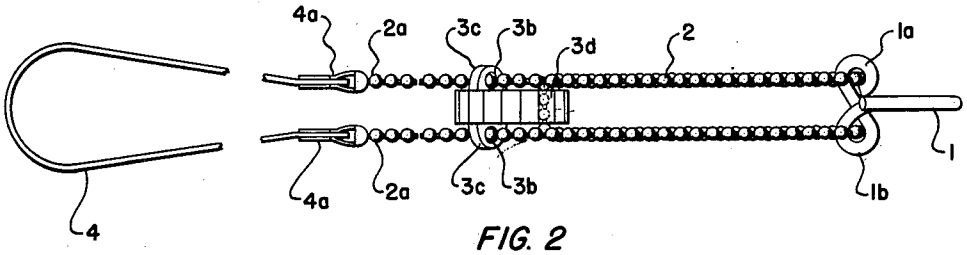


FIG. 2

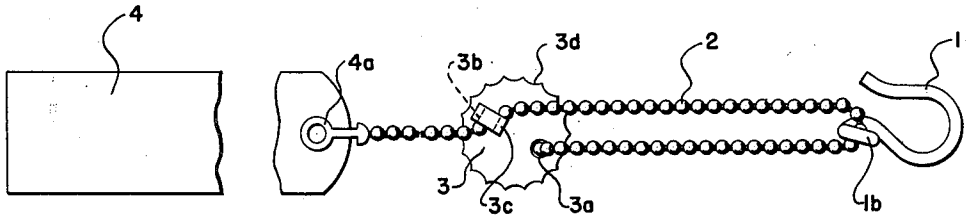


FIG. 3

INVENTOR.
GEORGE A. FINDER

BY

Wm. H. Dean

AGENT

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ADJUSTMENT FOR SAXOPHONE NECK SUPPORT

George A. Finder, San Diego, Calif., assignor to Fin-Der, Inc., San Diego, Calif.

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7 Claims. (Cl. 224—5)

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My invention relates to an adjustable neck support for musical instruments and the objects of my invention are:

First, to provide a support of this class having a binder adapted to be slideably adjusted longitudinally of the support by simple reciprocation thereof whereby the binder holds the support in the longitudinally adjusted position at which the binder is placed without attention to locking the same.

Second, to provide a support of this class having a novel chain binder through which parallel portions of the chain extend in a spaced relationship to an opening through which the middle of the chain extends whereby the middle of said chain in connection with the supporting hook exerts rotational force upon the binder causing an angular binding of the chain at said parallel portions which automatically locks the support in certain longitudinally extended position.

Third, to provide a support of this class in which the binder is very easily released by rotation thereof by the finger tips of the operator.

Fourth, to provide a musical instrument support of this class having novel adjusting means including a binder at the middle of a flexible member and engaging the parallel portions extending from a supporting hook intermediate the middle of the flexible member and the opposite end thereof, whereby very accurate adjustment of the support may be quickly accomplished.

Fifth, to provide a support of this class readily adapted for use in connection with various musical instruments.

Sixth, to provide a support of this class which is very comfortable to use, and

Seventh, to provide a support of this class which is very simple and economical of construction, efficient in operation, and which will not readily deteriorate or get out of order.

With these and other objects in view as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon forming a part of this application in which:

Fig. 1 is a perspective view of a person playing a musical instrument employing my neck support for musical instruments in connection therewith. Fig. 2 is an enlarged front elevational view of my neck support for musical instruments and Fig. 3 is an enlarged view taken substantially

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90° to that as shown in Fig. 2 of the drawings, showing the neck engagement strap fragmentarily.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawings.

The hook 1, chain 2, binder 3, and neck-engaging strap 4 constitute the principal parts and portions of my neck support for musical instruments.

The neck-engaging strap 4 is a flexible flat strap having chain connection portions 4*a* at each opposite end. Opposite ends of the chain 2 are connected to the chain connection portions 4*a* and the middle of the chain 2 extends through the opening 3*a* in the binder 3. Opposite ends 2*a* of the chain 2 are normally spaced and the chain 2 extending therefrom toward the hook 1 passes through openings 3*b* in bosses 3*c* at opposite sides of the binder 3. These openings 3*b* are axially disposed so that the opening 3*a* is arranged laterally thereof, as shown in Fig. 3 of the drawings. The hook 1 is provided with loop portion 1*a* and 1*b* through which the parallel portions of the chain 2 extend from the ends 2*a* through the openings 3*b*. The lateral disposition of the opening 3*a*, through which a weight-bearing portion of the chain 2 passes, to the axis of the holes 3*b* in the bosses 3*c* and the spacing of the opening 3*a* to the holes 3*b* provides for frictional kinking of the chain 2 when force is exerted on the chain binder 3 at the opening 3*a* therein through which the middle of the chain 2 passes which effectively locks the chain 2 in certain extended position as desired. The outer peripheral surface of the chain binder 3 is provided with serrations 3*d* thereon for use in frictionally engaging the chain binder 3 for slightly rotating the same so that the openings 3*b* in the chain binder 3 are parallel to the axis of the chain 2 extending from the connection portions 4*a* of the strap 4 to the hook loops 1*a* and 1*b*.

The operation of my new support for musical instruments is substantially as follows:

The hook 1 is connected to a saxophone or other musical instrument while the strap 4 is placed around the neck of the musician. The proper elevated support of the instrument is determined and the chain binder 3 is slideably moved upwardly or downwardly for adjusting the chain 2 intermediate the strap 4 and the hook 1 to the proper desired length. The chain binder 3 is then released and the middle portion of the chain 2 passing through the opening 3*a* tends to rotate the chain binder 3 and the lugs 3*c* with

the openings 3b therein causing the same to place a joggle in the chain 2 and frictionally engage the same. It will be noted that the chain 2 at its opposite parallel portions is readily slideable in the eye portions 1a and 1b of the hook 1 and if desired only a single eye may be provided in the hook 1 which permits slideable relationship of the chain therethrough. When it is desired to release the chain binder 3 and move the same upwardly or downwardly on the chain 2, the binder 3 is rotated until the lugs 3c having the openings 3b therein parallel to the chain 2 permitting freely slideable relationship of the chain 2 through said openings 3b. After positioning the chain binder 3 at the desired location it is simply released and the middle portion of the chain 2 exerting force at the opening 3a in the chain binder 3 toward the hook 1 causes the chain binder 3 to rotate and again kink the chain as shown in Fig. 3 of the drawings, causing frictional binding thereof. It will be here noted, however, that other means may be equivalent to the chain 2 and that cord or similar flexible cable structure may be used in place of the chain 2, if desired.

Though I have shown and described a particular construction, combination and arrangement of parts and portions, I do not wish to be limited to this particular construction, combination and arrangement but desire to include in the scope of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

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

1. In a support adjustment means for musical instrument wherein there is a flexible neck-engaging means and a flexible cable structure having parallel portions, and a hook having eye means through which said parallel portions extend, the combination with said flexible cable structure and said hook of a binder having an opening through which the middle of said flexible cable structure extends, and provided with secondary openings axially transverse thereto, through which the parallel portions of said flexible cable extend.

2. In a support adjustment means for musical instruments wherein there is a flexible neck-engaging means and a flexible chain having parallel portions, and a hook having eye means through which said parallel portions extend, the combination with said flexible chain and said hook of a binder having an opening through which the middle of said flexible chain extends, and provided with secondary openings axially transverse thereto, through which the parallel portions of said flexible means extend, said first-mentioned openings in said binder being positioned laterally of the axes of said second-mentioned openings, said binder having laterally extending lugs through which said second-mentioned openings project.

3. In a support adjustment means for musical instruments wherein there is a flexible neck-engaging means and a flexible chain having parallel portions, and a hook having eye means through which said parallel portions extend, the combination with said flexible chain and said hook of a binder having an opening through which the middle of said flexible chain extends, and provided with secondary openings axially transverse thereto, through which the parallel portions of said flexible means extend, said first-mentioned openings in said binder being positioned laterally of the axes of said second-mentioned openings, said binder having laterally extending lugs through which said second-mentioned openings project, said binder being substantially circular in cross-section and having serrated portions at its periphery and being positioned intermediate the parallel portions of said flexible chain.

4. In a neck-support adjustment means for musical instruments wherein there is a neck band having opposite ends of a flexible chain connected to opposite ends of said band whereby said flexible chain extends in parallel relationship with itself near its opposite end, the combination with said neck band and said chain of a binder intermediate the parallel portions of said chain having an opening therein through which the middle of said chain extends, said binder having laterally projecting lugs spaced from said opening, provided with openings therein axially transverse to the first-mentioned opening in said binder, and through which the parallel portions of said chain extend.

5. In a neck-support adjustment means for musical instruments wherein there is a neck band having opposite ends of a flexible chain connected to opposite ends of said band whereby said flexible chain extends in parallel relationship with itself near its opposite end, the combination with said neck band and said chain of a binder intermediate the parallel portions of said chain having an opening therein through which the middle of said chain extends, said binder having laterally projecting lugs spaced from said opening, provided with openings therein axially transverse to the first-mentioned opening in said binder, and through which the parallel portions of said chain extends, said first-mentioned opening being positioned laterally of the axes of the openings through said lugs.

6. In a neck-support adjustment means for musical instruments wherein there is an instrument hook and a neck band having opposite ends of a flexible chain connected to opposite ends of said band whereby said flexible chain extends in parallel relationship with itself near its opposite end, the combination with said neck band and said chain of a binder intermediate the parallel portions of said chain having an opening therein through which the middle of said chain extends, said binder having laterally projecting lugs spaced from said opening provided with openings therein axially transverse to the first-mentioned opening in said binder, said first-mentioned opening being positioned laterally of the axes of the openings through said lugs, said instrument hook having eye means engaging said chain between its middle portion passing through said first-mentioned opening in said binder and the parallel portions extending through said lug portions.

7. In a neck-support adjustment means for musical instruments wherein there is an instrument hook and a neck band having opposite ends of a flexible chain connected to opposite ends of said band whereby said flexible chain extends in parallel relationship with itself near its opposite end, the combination with said neck band and said chain of a binder intermediate the parallel portions of said chain having an opening therein through which the middle of said chain extends, said binder having laterally projecting lugs spaced from said opening provided with openings therein axially transverse to the first-mentioned opening in said binder, said first-men-

tioned opening being positioned laterally of the axes of the openings through said lugs, said instrument hook having eye means engaging said chain between its middle portion passing through said first-mentioned opening in said binder and the parallel portions extending through said lug portions, said eye means including a pair of opposed eyes through which said parallel chain portions extend.

GEORGE A. FINDER.

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