

Dec. 17, 1968

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3,416,399

REINFORCED GUITAR NECK

Filed July 28, 1966

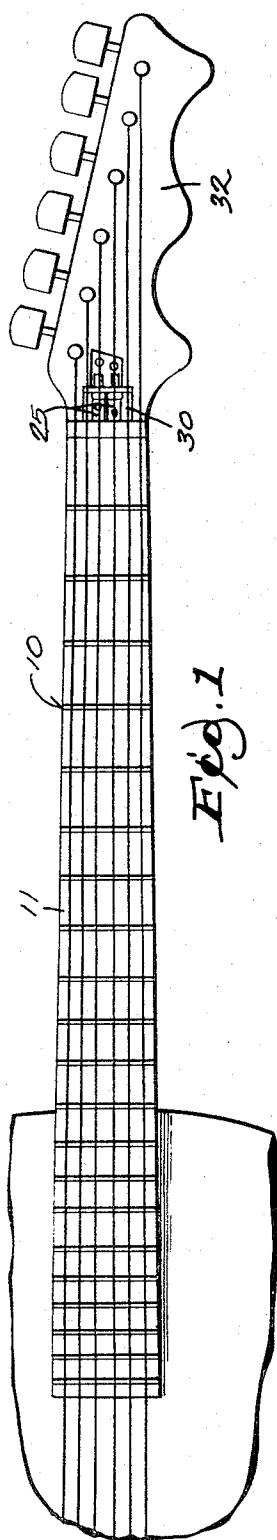
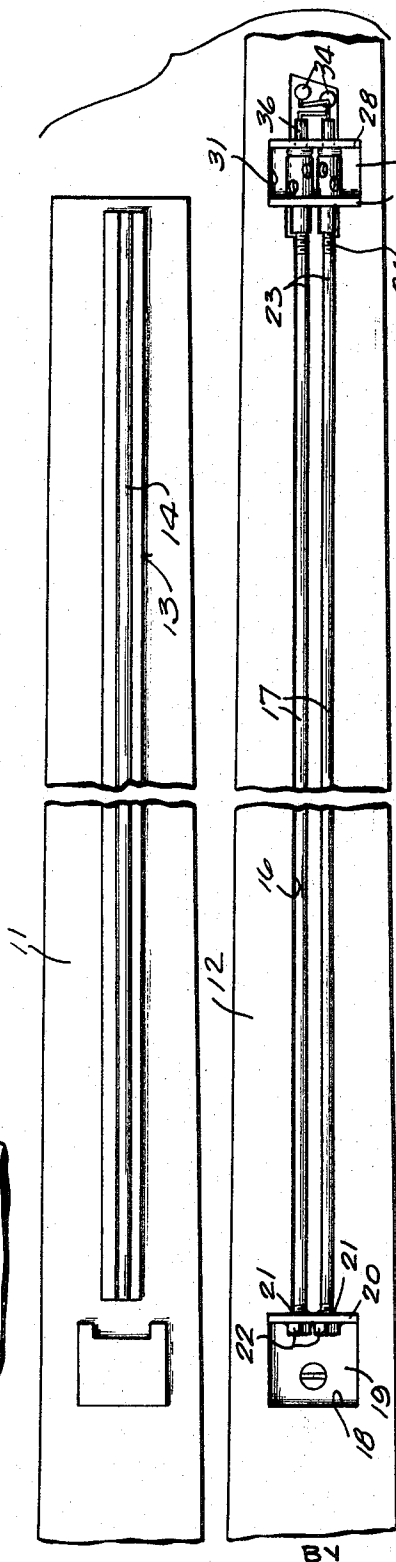


Fig. 1



BY

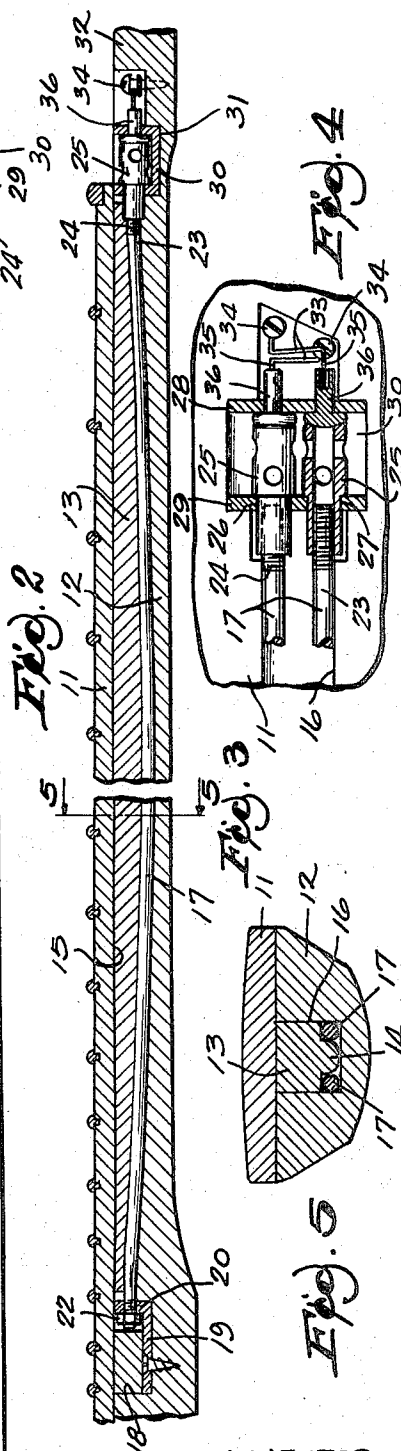


Fig. 2

Fig. 3

Fig. 4

Fig. 5

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3,416,399
REINFORCED GUITAR NECK
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 Filed July 28, 1966, Ser. No. 568,544
 3 Claims. (Cl. 84—293)

ABSTRACT OF THE DISCLOSURE

A guitar neck reinforced by two rods longitudinally held in channels therein and individually adjustable to counteract warping.

This invention relates to improvements in reinforced guitar necks, and more particularly to a novel reinforced guitar neck of a type have means for counteracting warping factors.

An object of the invention is to provide a device of the type equipped internally with a pair of adjustable rods operable to counteract warping of a guitar neck so equipped.

Another object of the invention is to provide a guitar neck having concealed rods each adjustable in at least two directions to apply pull or pressure.

Other and further objects of the invention will appear as the description proceeds, reference being had to the accompanying drawing, in which:

FIG. 1 is a plan view of a guitar finger board.

FIG. 2 is a composite view of portions of the guitar neck embodying the invention, being an inverted plan view of the finger board portion with the subjoined longitudinal insert and block, and the longitudinally slotted neck body portion with contained adjustment rods.

FIG. 3 is a longitudinal cross-sectional view.

FIG. 4 is a detail view partly in elevation and partly in section of the threaded adjustment means.

FIG. 5 is a view taken on line 5—5 of FIG. 1.

Referring more particularly to the drawing, the numeral 10 refers to the guitar neck generally, provided with the usual finger board 11 which is normally glued to the base or body 12 of the neck 10. Subjoined to the finger board 11 is a longitudinal strip 13 having an integral central longitudinal rib 14. The strip 13 has a plane surface at its juncture with the under surface 15 of the finger board 11, but is arcuately formed on its opposite surface, said strip 13 having its thickest cross-section centrally thereof. The rib 14 has uniform depth throughout.

The base or body 12 of the neck 10 has a central longitudinal curvate slot at 16 having its deepest portion centrally thereof, accommodating a pair of rods 17. A square depression at 18 communicating with one end of the slot 16 accommodates a square plate 19 with an upstanding flange 20 apertured at 21 to accommodate the rods 17 welded to the elements 22. The opposite ends 23 of the rods 17 are threaded as at 24 and engaged with the turnbuckles 25 which are journaled in apertures at 26 and 27 of the flanges 28 and 29 of the rectangular

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plate 30, accommodated in the recess at 31 of the guitar head 32. A pair of springs 33, secured by threaded means 34 engage with their free ends 35 within the elements 36 of the turnbuckles 25 and act as a restraint against loosening of said turnbuckles after the latter have been set to selected positions.

In use, the guitar neck will be more or less free of warping, but with the passage of time and use, together with exposure to changes in temperature and degree of moisture, a warped condition of the neck is likely to occur. One or the other or both of the rods may be tensed or loosened by manipulation of the turnbuckles 25 to correct almost any warp condition of the neck 10.

Having thus described the invention, what is claimed and desired to be secured by Letters Patent of the United States, is:

1. A guitar neck, a finger board attached thereon, said guitar neck having a longitudinal depression adjacent to said finger board, a pair of rods disposed in parallel lateral relation within the longitudinal depression in said neck, and threaded means provided on each of said rods for independently pushing or pulling on said rods to overcome a warping condition of said neck.

2. A guitar neck as in claim 1, with said longitudinal depression formed arcuately with its deepest point centrally of said length.

3. A guitar neck as in claim 1, with said longitudinal depression formed arcuately with its deepest point centrally of the length thereof, said finger board having a longitudinal strip subjoined thereto arcuately formed and having its thickest portion centrally of its length, a rib disposed longitudinally and centrally of said strip to lie between said rods, turnbuckles engaging said threaded means of said rods for for independently applying pull or pressure to said rods, and spring means for engagement with said turnbuckles to prevent slippage thereof.

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