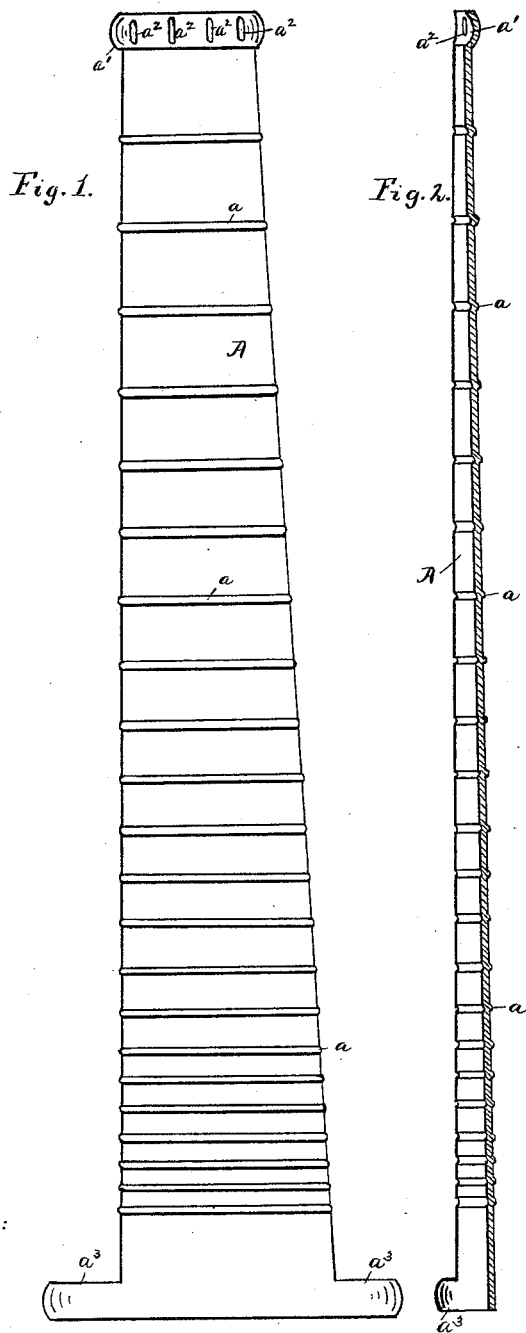


(No Model.)

W. W. WARING.  
FINGER BOARD FOR VIOLINS.

No. 524,428.

Patented Aug. 14, 1894.



WITNESSES:  
W. Benjamin.  
A. J. Fales.

INVENTOR:  
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# UNITED STATES PATENT OFFICE.

WILBER W. WARING, OF BROOKLYN, NEW YORK, ASSIGNOR TO LOUIS C. NEFF, OF SAME PLACE.

## FINGER-BOARD FOR VIOLINS.

SPECIFICATION forming part of Letters Patent No. 524,428, dated August 14, 1894.

Application filed December 28, 1893. Serial No. 494,948. (No model.)

### *To all whom it may concern:*

Be it known that I, WILBER W. WARING, a citizen of the United States, residing at Brooklyn, county of Kings, State of New York, have  
5 invented certain new and useful Improvements in Finger-Boards for Violins, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 This invention consists in an auxiliary violin finger-board, composed of a plate of thin metal, wood or other suitable material, and conformable in outlines and configuration to  
15 the fixed or permanent board of the instrument, and adapted to be imposed thereon, said plate being provided with raised or elevated parts projecting above the upper or outward face, and with fastening or clamping devices  
20 by which it may be detachably attached to the said permanent board; as hereinafter set forth and more particularly recited in the claim.

The object of this invention is to provide  
25 an auxiliary or detachable finger-board for violins, which may be placed upon any violin, at pleasure, and which, by means of its raised parts, will be useful to a learner of the instrument, at the beginning of his study, in  
30 acquiring a correct fingering of the strings.

In the drawings: Figure 1 is a plan of an auxiliary finger-board containing the invention; and Fig. 2 is a longitudinal central section of the same.

35 A is a plate or strip which is of thin metal, or of wood or other suitable rigid material, metal, such as sheet tin, being preferable. The plate corresponds, in length, outline and configuration, as shown, to the ordinary fixed  
40 or permanent finger-board of a violin. The parts *a* on this auxiliary finger-board, are made in the form of projections or ribs raised above the upper or outward face of the plate; and they extend across the plate from side to side  
45 and are arranged in their proper relation to each other, to indicate the required position of the player's fingers upon the strings in fingering the same in playing the musical scale-notes on the instrument. The plate is con-  
50 cavo-convex throughout its length between

its side edges, and thus configured is adapted to be imposed upon and fitted to the fixed or permanent finger-board of a violin.

In forming the auxiliary board described out of sheet metal, the raised parts *a* may be  
55 conveniently formed as corrugations in the sheet, as shown; and the parts may be made either narrow or wide in cross-section, as may be desired.

The auxiliary board is provided with fastening devices for detachably attaching the  
60 board to the permanent finger-board of a violin; and such devices are constituted of a lateral groove or recess *a'* on the under-face of the board at its narrow or upper end, adapted  
65 to fit over the nut of the violin, the upper or outer face of the board above the line of said groove being provided with the notches *a''* adapted to receive respectively the violin  
70 strings; while at the wide or lower end or part of the board the flexible ears or lugs *a'''* may be provided adapted to be folded over the edge of the permanent board. The pressure  
75 of the strings upon the upper end of the plate in the notches *a''* will hold the board fixedly in place, the groove *a'* fitting upon the violin  
80 nut preventing longitudinal movement of the auxiliary board upon the permanent board; while the ears *a'''*, or their equivalent will hold the lower end of the auxiliary board in place  
85 upon the lower end of the permanent board, and the described fastening devices will permit said auxiliary-board to be readily detached from the permanent finger-board without injury to or disturbance of the latter.

It is intended that these auxiliary finger-boards shall be fabricated as an article of  
90 manufacture distinct and separate from violins; and that one shall be attached to the permanent finger-board of a violin to assist, by its raised parts, the student or beginner in  
95 readily acquiring the correct position of the fingers upon the strings in learning "fingering;" and that, when correct fingering has been thus acquired, the auxiliary board shall be detached from the instrument.

What I claim as my invention, and desire to secure by Letters Patent, is—

An auxiliary finger-board for violins composed of a plate conformable in outline and

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configuration to the permanent finger-board of the instrument, and provided with a series of lateral ribs projecting beyond the upper or outer face of said plate between its side edges  
5 and constituting parts thereon, together with a groove on its under face at its upper end adapted to fit over the violin nut, and notches on its upper face on the line of said groove

adapted to receive the violin strings, and a clamp-device at its lower end adapted to embrace the lower end of the permanent board, substantially as and for the purpose set forth. 10

WILBER W. WARING.

Witnesses:

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