

(No Model.)

E. ANDERBERG.
STRING BRIDGE FOR GUITARS.

No. 282,147.

Patented July 31, 1883.

Fig 1.

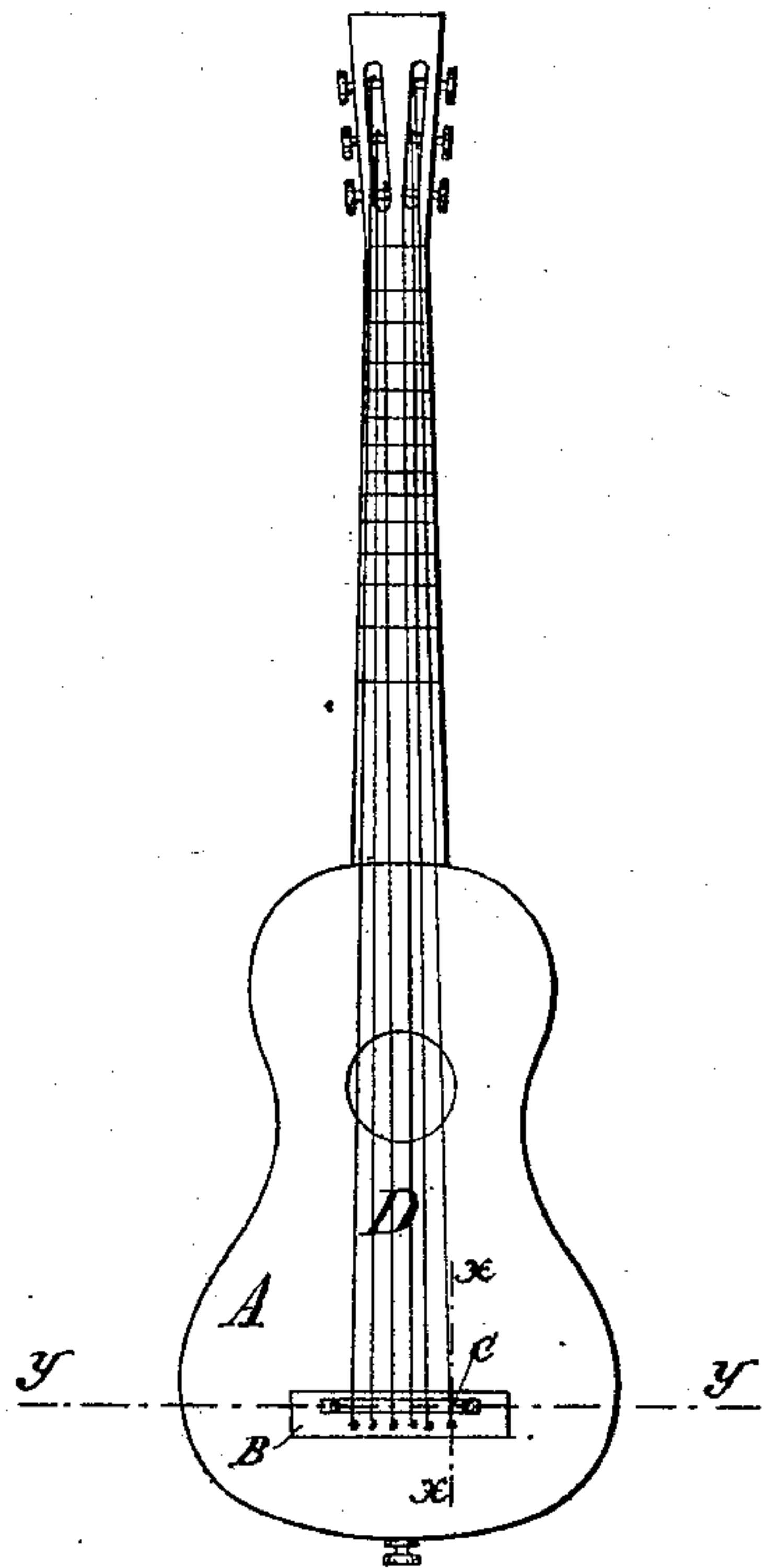


Fig 2.

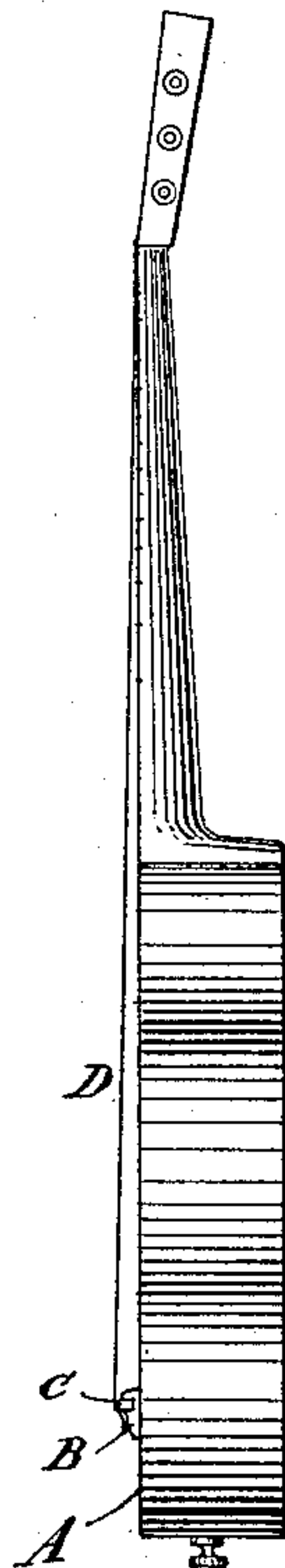


Fig 3.

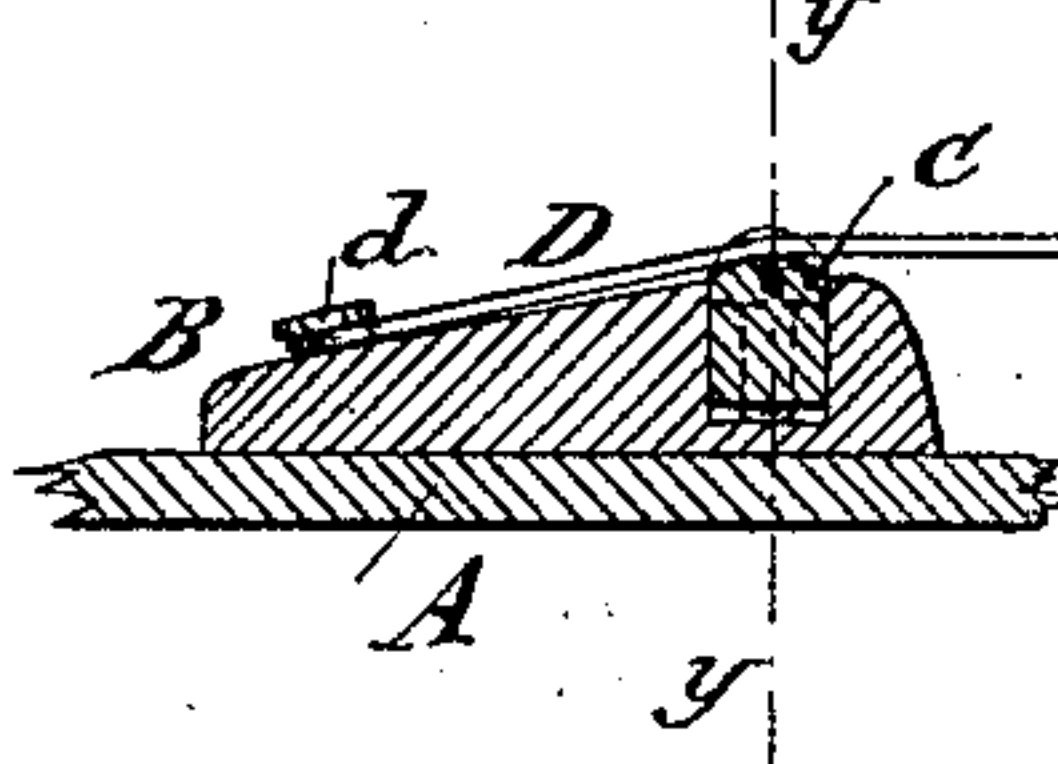
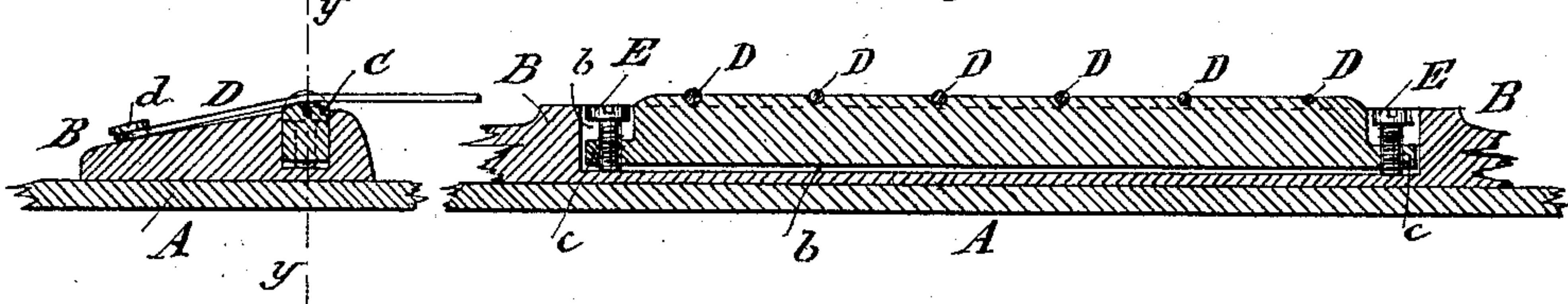


Fig 4.



WITNESSES:

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STRING-BRIDGE FOR GUITARS.

SPECIFICATION forming part of Letters Patent No. 282,147, dated July 31, 1883.

Application filed April 9, 1883. (No model.)

To all whom it may concern:

Be it known that I, ERLAND ANDERBERG, a citizen of the United States, and a resident of Mount Vernon, in the county of Westchester and State of New York, have invented a new and useful Improvement in String-Bridges for Guitars, &c., of which the following is a specification.

The object of my invention is to provide an efficient and inexpensive means of adjusting the elevation of the strings above the sound-board of a guitar, violin, or similar stringed instrument to suit the touch of different players; and it consists in the construction and combination, with a suitable bridge-block, of a movable string-bridge provided with means to adjust its elevation, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 represents a front view of a guitar provided with a string-bridge constructed according to my present invention. Fig. 2 is a side view of the same. Fig. 3 is an enlarged cross-section of the bridge and bridge-block taken on the line *x x* of Fig. 1. Fig. 4 is a longitudinal section of the same taken on the line *y y* of Figs. 1 and 3.

A is the sound-board.

B is the ordinary bridge-block, glued or otherwise fastened upon the sound-board, and to which the lower ends of the strings D are attached at *d*, in the usual manner.

C is the string-bridge, which ordinarily is glued in a recess in the bridge D. To suit the present case the recess *b* in the block B is made deeper than usual, and the string-bridge C, although of length and width to fit snugly in the recess, is not glued, but left movable therein, in order that it may be raised or lowered. For this purpose a small screw, E, is threaded through either end of the bridge C, the lower ends of the screws bearing against the bottom of the recess *b*. The needful range of variation in elevation of the bridge being only very slight, and it being desirable that the upper ends of the screws E should not project

above the bridge-block, so as to possibly catch the sleeves or clothing of the player, the ends of the bridge are rabbeted on the upper edges, thus forming little flanges *c*, of much less thickness than the height of the bridge, as shown in Fig. 4. It will be seen that the range of elevation is determined by the distance between the under side of the screw-head and the upper surface of the flange *c*, and that by turning the screws as if to screw them downward the bridge C will be raised into any position desired between the said limits. A greater range of elevation may be obtained without increasing the height of the screw by making the latter without a head and threading it to its extreme upper end; but this is not necessary; though it may be preferable sometimes as a means of obtaining the ordinary variation required by using a shallower recess and a lower bridge-piece.

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

1. In combination with a guitar or similar stringed instrument, the string-bridge C, provided with means E for adjusting its elevation above the sound-board.

2. The combination of the sound-board A, bridge-block B, provided with a recess *b*, and the string-bridge C, having adjusting-screws E at its ends, substantially as and for the purpose set forth.

3. In combination with the sound-board A and recessed block B, the string-bridge C, rabbeted upon its upper end surfaces to form the flanges *c*, and the screws E, threaded through the said flanges and supporting the bridge in the said recess, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 28th day of March, 1883.

ERLAND ANDERBERG.

Witnesses:

A. W. ALMQVIST,
ROBT. W. MATTHEWS.