

G. Schleicher,
Guitar,
N^o 81,012, Patented Aug. 11, 1868.

Fig. 2.



Fig. 1

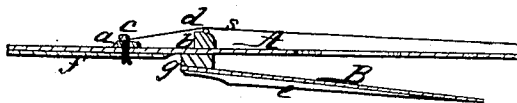
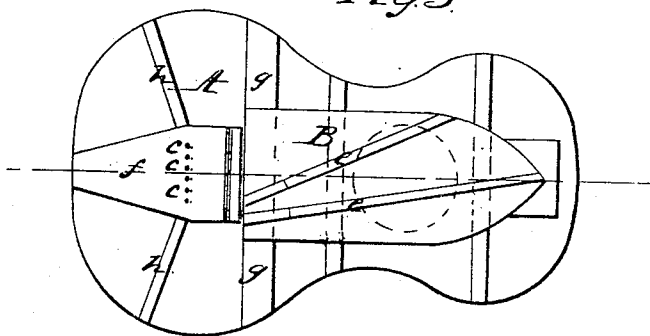


Fig. 3



Witnesses:
C. D. Hustenhuber
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Inventor.
Gustav Schleicher
per
Nas Saxtorood & Knapp
Attys

United States Patent Office.

GUSTAV SCHLEICHER, OF MOUNT VERNON, NEW YORK.

Letters Patent No. 81,012, dated August 11, 1868.

IMPROVEMENT IN STRINGED MUSICAL INSTRUMENTS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GUSTAV SCHLEICHER, of Mount Vernon, in the county of Westchester, in the State of New York, have invented a new and useful Improvement in Stringed Musical Instruments; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which drawing—

Figure 1 represents a longitudinal section of this invention.

Figure 2 is a plan or top view thereof.

Figure 3 is an inverted plan thereof.

Similar letters indicate corresponding parts.

This invention relates particularly to guitars, or other musical instruments of a similar nature, and it consists in the arrangement of a notched sounding-board bridge in addition to the hitch-pin bridge, both bridges being secured to the surface of the sounding-board, and the notches in the sounding-board bridge are arranged in such relation to the hitch-pins that each string, in its course from the hitch-pin to the turning-pin, is deviated from a right line, whereby all jar in the sound is avoided, and at the same time the full effect of the strings on the sounding-board is preserved.

The invention consists, also, in the arrangement of a tongue, projecting in a downwardly-inclined direction from the under surface of the sounding-board in such a manner that the power and brilliancy of the tone of the instrument are materially increased.

The invention consists, further, in the arrangement of a series of ribs on the inner or under surface of the sounding-board of a guitar, or other similar instrument, in such a manner that said sounding-board is materially strengthened, and enabled to sustain the strain of the strings.

A represents the sounding-board of a guitar, or other stringed instrument of a similar nature. This sounding-board is made of wood, or any other suitable material, in the ordinary form or shape, and to its outer surface are secured two bridges, *a* *b*, as clearly shown in figs. 1 and 2 of the drawing.

The bridge *a* forms the bearings for the hitch-pins *c*, and the bridge *b* is provided with a series of notches, *d*, to receive the strings *e*. These strings extend from the hitch-pins *c* to the tuning-pins, and the notches *d*, in the sounding-board bridge *b*, are arranged in such relation to the hitch-pins that the strings deviate from right lines in their course from said hitch-pins to the tuning-pins, as clearly shown in fig. 2 of the drawing. By this arrangement, each string bears hard against the side of its notch, and all jarring of the tune is avoided. The bottoms of the notches are somewhat higher than the top surface of the hitch-pin bridge, so that the strings bear down on said bottoms, and the full effect of the strings on the sounding-board is preserved.

To the under surface of the sounding-board is secured a tongue, *B*, of wood, metal, or any other suitable material. This tongue extends in a downwardly-inclined direction, as shown in fig. 1, and if it is made of wood, it may be strengthened by ribs *e*. By this tongue the power and brilliancy of the tone are materially increased.

The sounding-board *A* is strengthened by a series of ribs, *f* *g* *h*, of various shapes. One of these ribs extends clear across the sounding-board, and it serves to support the tongue *B*, and also the sounding-board bridge *b*.

The rib *f* is broad, and serves to support the hitch-pin bridge, and also to increase the bearing-surfaces of the hitch-pins. By this arrangement, a guitar, or other musical instrument of a similar nature, is obtained, which is strong and durable, and which has a more powerful and brilliant tone than similar instruments of the ordinary construction.

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

1. The tongue *B*, attached to the lower or inner surface of the sounding-board *A*, substantially as and for the purpose set forth.

2. The arrangement of ribs *f* *g* *h* at the under surface of the sounding-board *A*, in combination with the bridges *a* *b* and tongue *B*, substantially as and for the purpose described.

GUSTAV SCHLEICHER.

Witnesses:

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