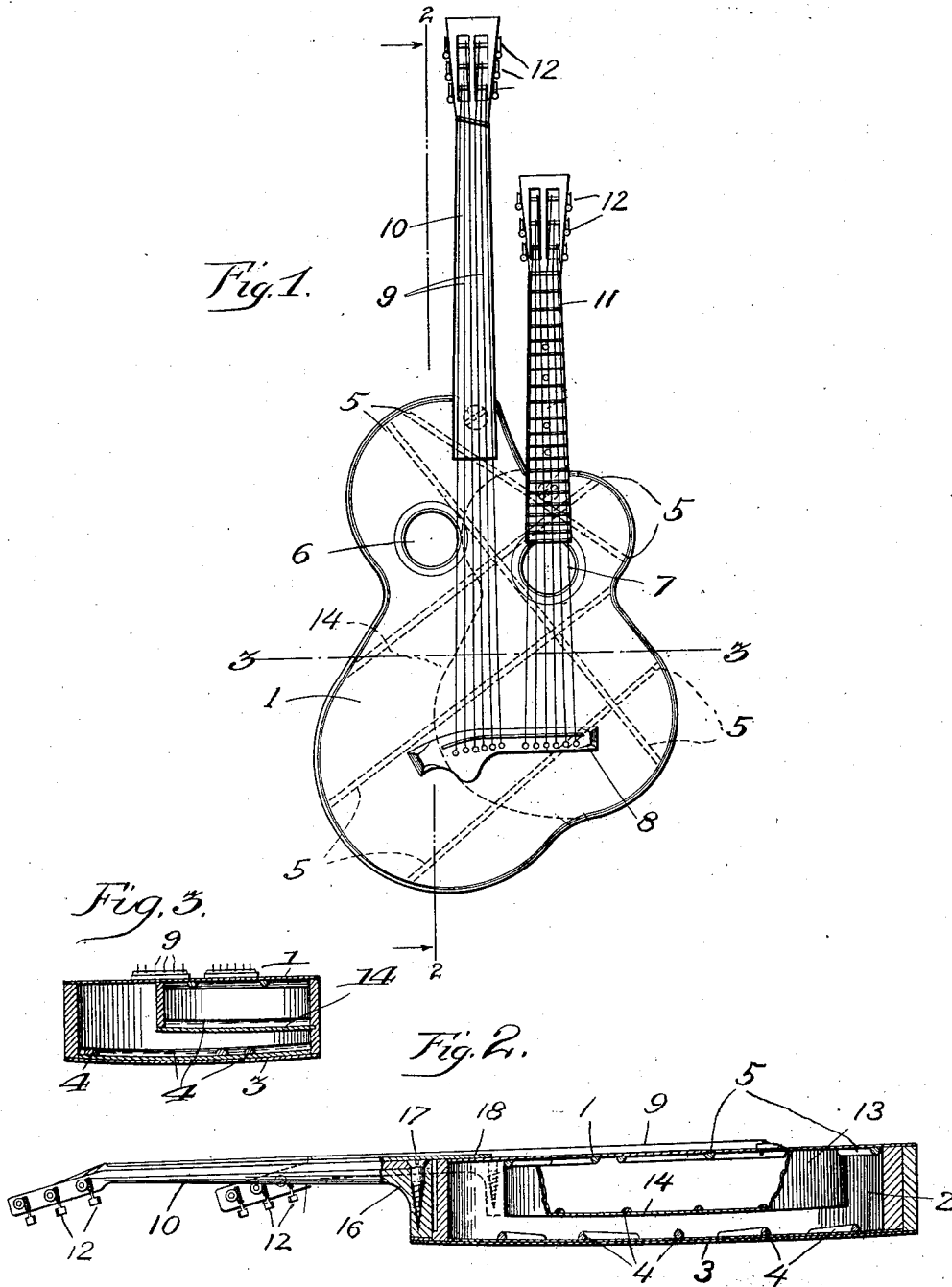


A. LARSON.
GUITAR.

APPLICATION FILED JUNE 2, 1909.

1,022,031.

Patented Apr. 2, 1912.



Witnesses:

William Leavin
Frank Johnson

Inventor:

August Larson

UNITED STATES PATENT OFFICE.

AUGUST LARSON, OF CHICAGO, ILLINOIS.

GUITAR.

1,022,031.

Specification of Letters Patent.

Patented Apr. 2, 1912.

Application filed June 2, 1909. Serial No. 499,789.

To all whom it may concern:

Be it known that I, AUGUST LARSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Guitar, of which the following is a specification.

My invention relates to improvements in guitars, and has special reference to those instruments which are known as "harp guitars," in which there is a wide range in and great difference between the size and length of the strings.

A guitar which is sufficiently heavy in construction and large in size for the larger strings having a relatively low number of vibrations will not be well proportioned for a light string having a relatively high number of vibrations; and the objects of my invention are, first, the provision of an instrument equally suitable for both large and small strings; second, the construction of the instrument so that the music from the large and small strings will be properly modulated and combined; and, third, the strengthening of various details of construction and the general improvement of the instrument. I attain these objects by the construction illustrated in the accompanying drawing, in which—

Figure 1 is a plan of my improved instrument, with the bracing for the front soundboard and the side partition between the larger and smaller compartments shown in dotted lines; and Fig. 2 is a section on line 2—2 of Fig. 1 with the side of the inner compartment partly broken away. Fig. 3 is a central transverse section through the guitar bodies.

Similar reference numerals refer to similar parts throughout the views.

The reference numeral 1 designates the front sounding board of my improved instrument, which has the usual guitar outline except that one side thereof is the outline of a much larger instrument than the other side. Sides, 2, are secured to and extend backwardly from the edges of the front sounding-board, 1, and to them are secured a back, 3. Suitably placed braces, 4, are

provided to strengthen the back, 3, and other braces, 5, as shown in Fig. 1, are provided for strengthening the sounding board, 1. In the sounding board, 1, are sound holes, 6 and 7. A bridge member, 8, is provided upon the sounding board, to which strings, 9, are attached. Two necks, 10 and 11, having tuning keys, 12, extend from the sounding board, 1, and sides, 2. Extending downwardly from the under face of the sounding board, 1, and within the compartment formed by the sounding board, sides, 2, and back, 3, are shorter sides, 13, to which are secured a back sounding board, 14. This construction provides a smaller chamber or guitar body of lighter construction within the larger body. The smaller chamber is much more suitable for and will respond much more readily to the vibrations of the smaller strings, but the vibration of either compartment or chamber is transmitted to the other so that the instrument is a single coöperating whole instead of two separate instruments. In order to secure the necks 10 and 11 in position so that they will not be deflected I provide each neck with a base 16 which is glued to the side 2. A finger board 18 is finally secured to the neck.

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

1. In a stringed instrument, a soundboard, means for securing strings in suitable relation thereto, a sound chamber provided upon the back of said soundboard, a smaller sound chamber secured to the back of said soundboard and located within said first-mentioned chamber, and separate openings in said soundboard to said chambers.

2. In combination with a guitar, a smaller sound chamber secured to the back of the sounding board within the body or sound chamber of said said guitar, and separate openings in said soundboard to said chambers.

AUGUST LARSON.

Witnesses:

FRANK JOHNSON,
WM. PATTERSON.