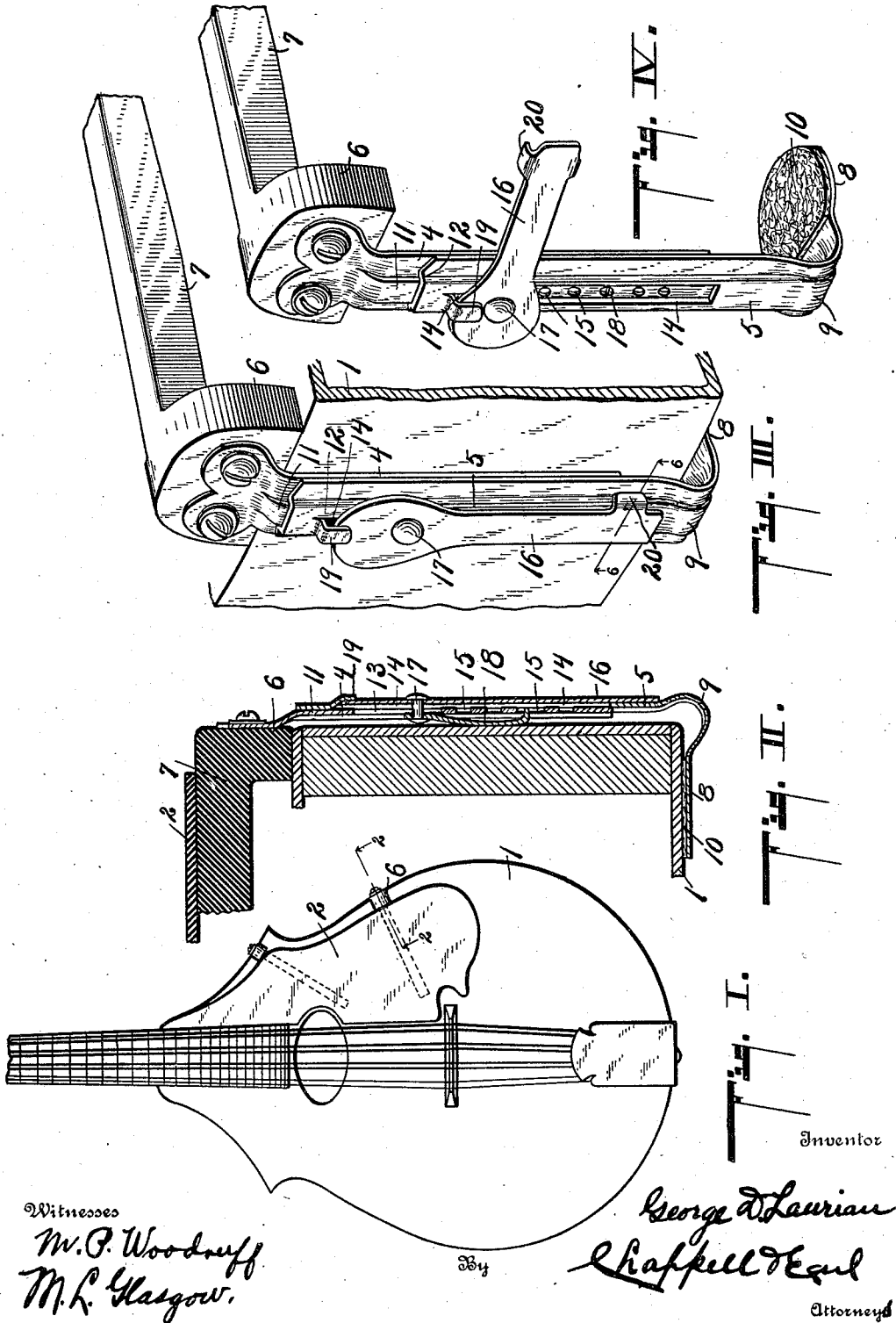


G. D. LAURIAN.
 CLAMP FOR MUSICAL INSTRUMENT RESTS.
 APPLICATION FILED FEB. 25, 1911.

996,652.

Patented July 4, 1911.

2 SHEETS—SHEET 1.



Witnesses
 W. P. Woodruff
 M. R. Glasgow.

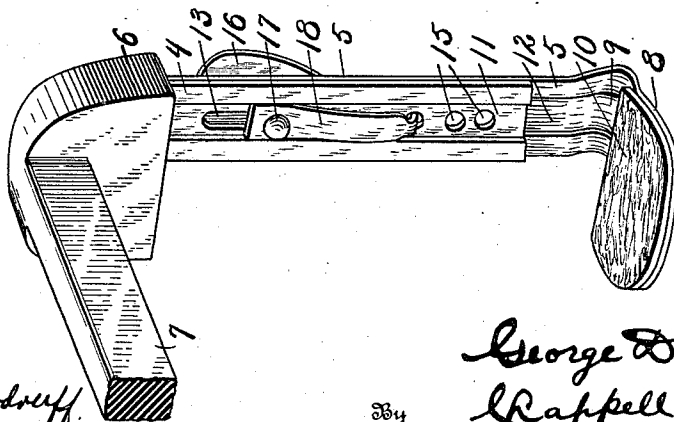
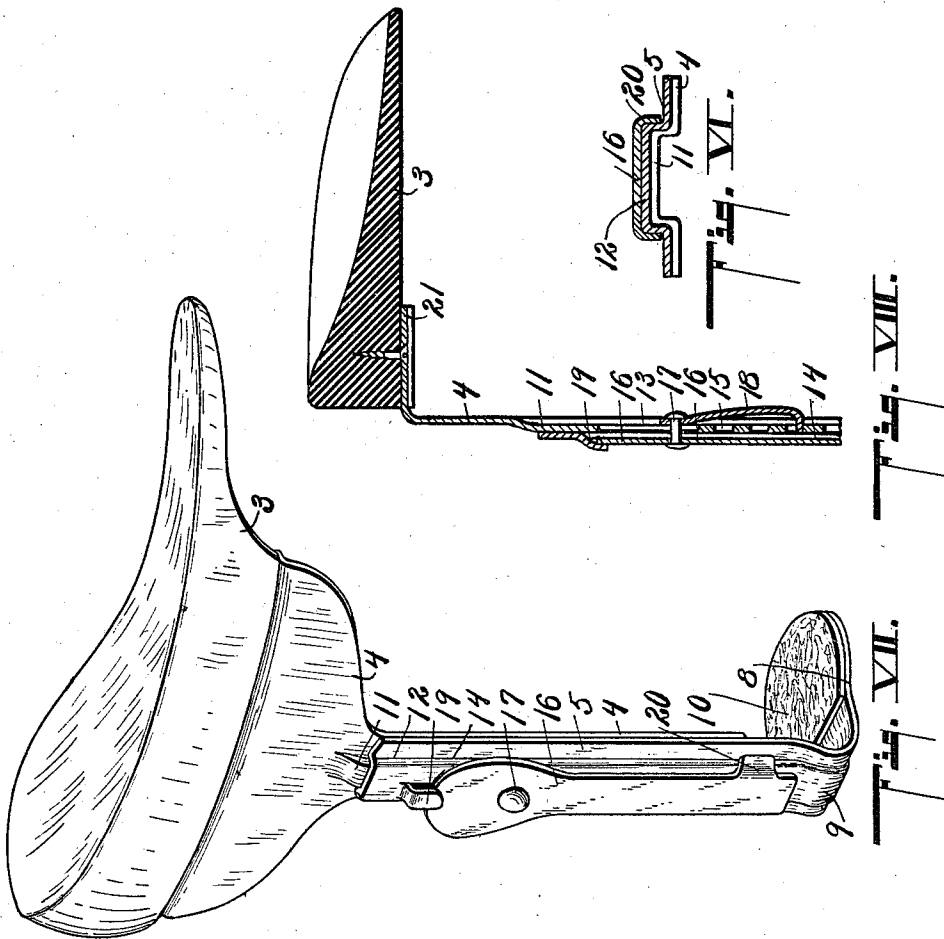
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By

UNITED STATES PATENT OFFICE.

GEORGE D. LAURIAN, OF KALAMAZOO, MICHIGAN, ASSIGNOR TO GIBSON MANDOLIN-GUITAR COMPANY, OF KALAMAZOO, MICHIGAN.

CLAMP FOR MUSICAL-INSTRUMENT RESTS.

996,652.

Specification of Letters Patent.

Patented July 4, 1911.

Application filed February 25, 1911. Serial No. 610,837.

To all whom it may concern:

Be it known that I, GEORGE D. LAURIAN, a citizen of the United States, residing at the city of Kalamazoo, county of Kalamazoo, State of Michigan, have invented certain new and useful Improvements in Clamps for Musical-Instrument Rests, of which the following is a specification.

This invention relates to improvements in clamps for musical instrument rests.

The main objects of this invention are: First, to provide an improved clamp which may be quickly adjusted without the aid of tools, and one which is very secure when adjusted and not likely to be disarranged in the use of the instrument. Second, to provide an improved clamp which is readily adapted for instruments of different sizes. Third, to provide an improved clamp which is simple and economical in structure, and one which may be formed of light material and is at the same time, strong and durable.

Further objects, and objects relating to structural details will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure I is a plan view of a stringed instrument embodying the features of my invention, a portion of the finger rest being broken away, the instrument being shown mainly in conventional form. Fig. II is an enlarged detail vertical section taken on a line corresponding to line 2-2 of Fig. I. Fig. III is an enlarged detail perspective, showing the clamp adjusted to an instrument, the rest or guard plate 2 being omitted.

Fig. IV is a similar view of the clamp removed from the instrument, the clamping cam 16 being shown in its engaging posi-

tion. Fig. V is a detail inside perspective with the clamping cam 16 in its engaging position. Fig. VI is a detail cross section taken on a line corresponding to line 6-6 of Fig. III. Fig. VII is a perspective view of a modified construction, the modification being in the form of the rest, which is here shown as a violin chin rest. Fig. VIII is a vertical central section of the structure shown in Fig. VII.

In the drawing, similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, the instrument 1 is shown in conventional form and merely to show how my improved clamp is applied in use. The rest 2 here shown is the hand guide and finger rest, of the patent to Williams, No. 916,906, dated March 30th, 1909. The chin rest 3 shown in Figs. VII and VIII is the common form of violin chin rest.

My improved clamp consists of a pair of members 4 and 5, the member 4 being provided with a body engaging foot 6 having a bar extension 7 on which the plate 2 is mounted. The member 5 is provided with a body engaging foot 8. The foot is formed integrally with the member 5 and joined thereto by an outward curve 9. This curve provides a spring at this point so that the body is clamped with a spring grip.

The foot 8 is provided with a facing 10 so that the instrument is not marred. The members 4 and 5 are arranged to telescope upon each other and are preferably formed of sheet metal and longitudinally corrugated to provide a rib 11 on the member 4 and a corresponding groove 12 on the member 5. The member 4 is slotted at 13 while the member 5 is slotted at 14. The member 4 is also provided with a series of holes 15.

The cam 16 is mounted on the pivot 17 arranged through these slots in the clamp members, and is adjustably connected to the clamp member 4 by means of the catch 18,

which is mounted on the inner end of the pivot within the channel of the corrugation so as to engage the holes 15, as clearly shown in the drawing.

5 The clamp member 5 is provided with a cam engaging lug 19. The cam shown is in the form of a lever and is provided with opposed fingers 20 adapted to engage the corrugation of the outer clamp member 5 for retaining the cam in its actuated position. See Figs. III and VI. By thus connecting the cam with one of the clamp members, it may be adjusted thereon to adapt
10 the clamp to a particular instrument.

15 The catch may be released by a pencil or pin inserted through one of the holes 15 or disengaged from the rear of the clamp.

My improved clamp is very quickly adjusted, and when adjusted, has a very secure hold and is not likely to become accidentally disengaged. It can be easily adjusted without the use of tools, which is a very great advantage.

In the modification shown in Figs. VII and VIII, the clamp member 4 is provided with an offset 21 at its upper end, which is secured to the under side of the rest plate 3 instead of being secured as shown in the other views, as it is desirable to have the
25 edge of the rest 3 smooth.

I have illustrated and described my improvements in detail in a simple embodiment, which has the advantage not only of being simple in structure, but also very conveniently adjusted. I am aware, however,
35 that considerable variations in structural details are possible without departing from my invention. I do not, however, illustrate such variations or modifications, as they will no doubt be readily understood by those
40 skilled in the art to which this invention relates.

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

1. In a structure of the class described, the combination of a pair of slidably engaging members provided with laterally-projecting body engaging feet, said members being
50 formed of sheet metal longitudinally corrugated to provide a rib on the inner and a coacting groove on the outer member, the corrugations having longitudinal slots therein, that of the inner member having a series of
55 holes therein, the foot of the outer member being formed integrally therewith and joined thereto by an outward curve; a cam lever formed of sheet metal; a pivot therefor arranged through said slots, said lever being provided with opposed fingers adapted to engage the corrugations of the outer
60 member when the lever is in its actuated position; a cam engaging lug on the outer member, said lug being formed integrally

therewith; and a spring catch mounted on
65 said pivot, said catch being disposed in the corrugation of the inner member and adapted to engage said holes therein.

2. In a structure of the class described, the combination of a pair of slidably engaging
70 members provided with laterally-projecting body engaging feet, said members being formed of sheet metal longitudinally corrugated to provide a rib on the inner and a
75 coacting groove on the outer member, the corrugations having longitudinal slots therein, that of the inner member having a series of holes therein; a cam; a pivot therefor arranged through said slots; a cam engaging
80 lug on the outer member; and a spring catch mounted on said pivot, said catch being disposed in the corrugation of the inner member and adapted to engage said holes therein.

3. In a structure of the class described, the combination of a pair of slidably engaging
85 members provided with body engaging feet, and having longitudinal slots therein, the inner member having a series of holes therein, the foot of the outer member being formed integrally therewith and joined
90 thereto by an outward curve; a cam; a pivot therefor arranged through said slots; a cam engaging lug on the outer member; and a catch mounted on said pivot and adapted to engage said holes in said inner member.
95

4. In a structure of the class described, the combination of a pair of slidably engaging members having longitudinal slots therein, the inner member having a series of holes
100 therein; a cam; a pivot therefor arranged through said slots; a cam engaging lug on the outer member; and a catch mounted on said pivot and adapted to engage said holes in said inner member.

5. In a structure of the class described, the combination of a pair of slidably engaging members having longitudinal slots therein, the inner member having a series of holes
105 therein; a cam adapted to act on the outer member; a pivot therefor arranged through said slots; and a catch on said pivot to engage said holes in the inner member.
110

6. In a structure of the class described, the combination of a pair of slidably engaging members having longitudinal slots therein, one of the members having a series of
115 holes therein; a cam adapted to act on the other member; a pivot therefor arranged through said slots; and a catch on said pivot to engage said holes in said member.
120

7. In a structure of the class described, the combination with a pair of slidably-engaging members, one of the members being provided with a longitudinal slot; and a cam adapted to act on said longitudinally slotted
125 member adjustably connected to the other member, the cam pivot being arranged through said slot.

8. In a structure of the class described, the combination with a pair of slidably-engaging members, one of the members being provided with a longitudinal slot; and a cam adapted to act on said longitudinally slotted member carried by the other member, the cam pivot being arranged through said slot.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

GEORGE D. LAURIAN. [L. S.]

Witnesses:

LUELLA G. GREENFIELD,
MARGARET L. GLASGOW.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."