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J. A. BURCHIT.

TREMOLO ATTACHMENT FOR MUSICAL INSTRUMENTS.

APPLICATION FILED MAR. 24, 1904.

NO MODEL.

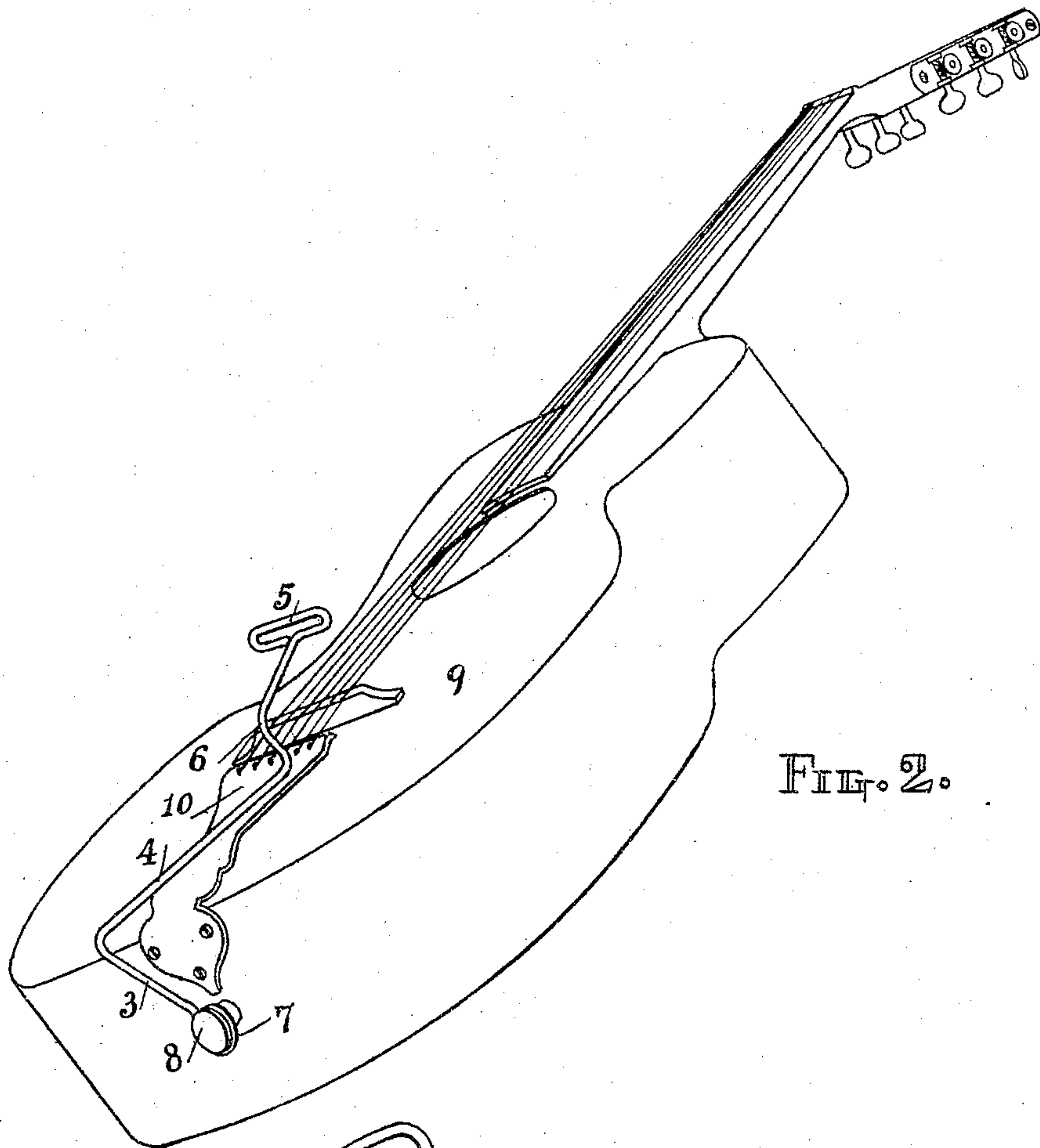


FIG. 2.

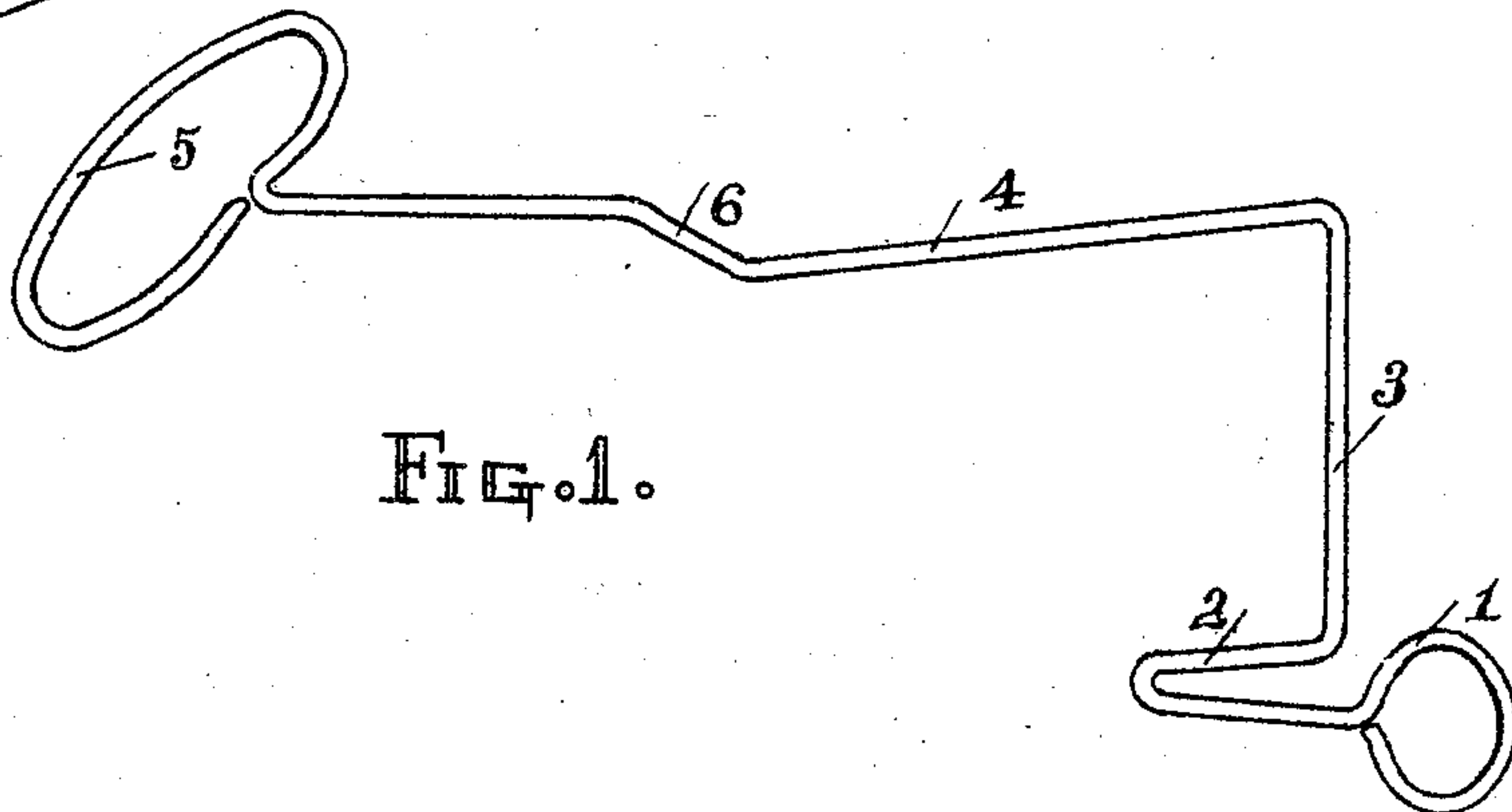


FIG. 1.

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UNITED STATES PATENT OFFICE.

JAMES A. BURCHIT, OF VIRGINIA, ILLINOIS.

TREMOLO ATTACHMENT FOR MUSICAL INSTRUMENTS.

SPECIFICATION forming part of Letters Patent No. 775,327, dated November 22, 1904.

Application filed March 24, 1904. Serial No. 199,856. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. BURCHIT, a citizen of the United States, residing at Virginia, in the county of Cass and State of Illinois, have invented a certain new and useful Tremolo Attachment for Musical Instruments, of which the following is such a full, clear, and exact description as will enable others skilled in the art to which it appertains to make and use my said invention.

My invention relates to devices usable with stringed instruments—such as guitars, mandolins, &c.—to produce a quaver or tremolo tone while playing the instrument.

The purposes of my invention are to produce in a single integral structure a vibratory hand-support connectible with the instrument and adapted to act on the vibratory tailpiece thereof to produce quavering of the tone merely by applying pressure with the hand employed in fingering the instrument and supported on the vibrator.

With this end in view my invention consists in the details of construction shown in the drawings, to which reference is hereby made, and hereinafter particularly described, and finally recited in the claims.

Referring to the drawings, Figure 1 is a perspective view of the preferable form of the device, and Fig. 2 is a perspective view of a modified form of the device shown in position on a guitar.

In its preferable form the tremolo attachment is made from a single piece of springy wire bent substantially as shown in Fig. 1 and embracing in a single integral structure a ring 1, a peg 2, a vertical standard or support 3, an approximately horizontal member 4, a hand-support 5, and a curved connection 6 between the hand-support and the horizontal member.

The form of the device shown in Fig. 2 is identical with that shown in Fig. 1, except that at the lower end of the standard 3 there is a ring 7, which fits around the peg 8 of the instrument 9. The lower end of the curved part 6 rests on the vibratory tailpiece 10 of the instrument. The tailpiece 10 is preferably a light piece of springy steel, such as is commonly used on guitars.

In applying to an instrument the form of

the device shown in Fig. 1 the usual peg of the instrument is removed and the pin 2 is inserted in the peg-hole. The ring 1 affords a convenient handle to be used in inserting or removing the pin 2. It may also serve to receive a ribbon for supporting the instrument.

The operation of the device is as follows: The vibrator being connected with the instruments as described, the lower curved part of the part 6 rests upon the tailpiece 10 of the instrument. The operator places his wrist or the ball of his hand upon the support 5, leaving his fingers free to manipulate the strings of the instrument. He then strikes the strings with the fingers in the usual manner and when it is desired to produce the tremolo effect presses in a tremulous manner on the part 5, and thus imparts a vibratory motion to the tailpiece with which all of the strings are connected, thereby producing the desired tremolo of the strings.

The lower end of the part 6 is preferably placed on the tailpiece adjacent to the small strings, as it is most desirable to produce the tremolo effect by using those strings; but the vibrator may contact with any convenient part of the tailpiece.

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

1. The combination of a stringed instrument, a vibratory tailpiece connected with the instrument, and a springy hand-support connected with the instrument and contacting with the tailpiece thereof to vibrate said tailpiece, as set forth.

2. A vibrator made of springy material and embracing in a single integral structure a ring, a pin fitting in the peg-hole of the instrument, a standard, an approximately horizontal member, a hand-support and a curved connection between said horizontal member and said hand-support, as set forth.

In witness whereof I have hereunto subscribed my name, at Virginia, Illinois, this 9th day of March, 1904.

JAMES A. BURCHIT.

Witnesses:

CHAS. Æ. MARTIN,
G. W. SMITH.