

W. H. DESSUREAU.
MUSICAL INSTRUMENT.
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959,318.

Patented May 24, 1910.

Fig. 1.

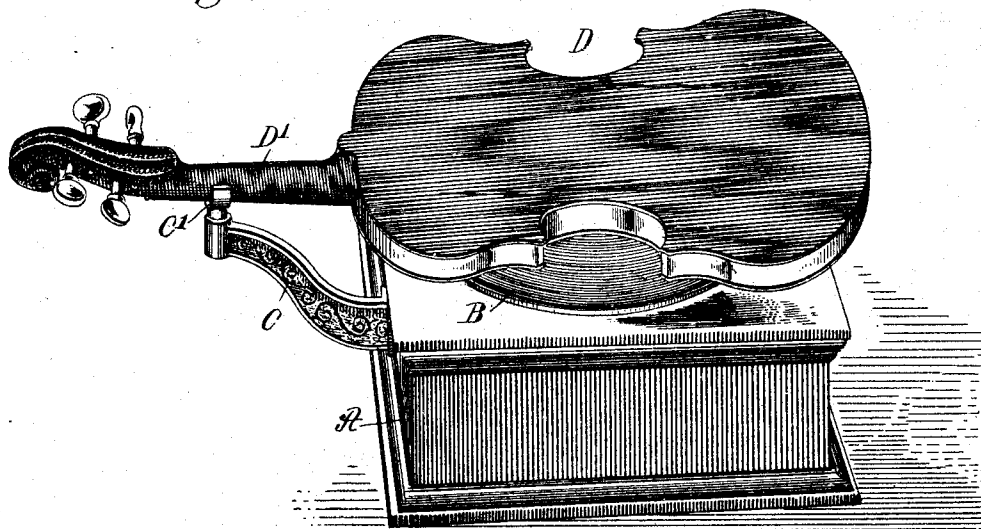


Fig. 2.

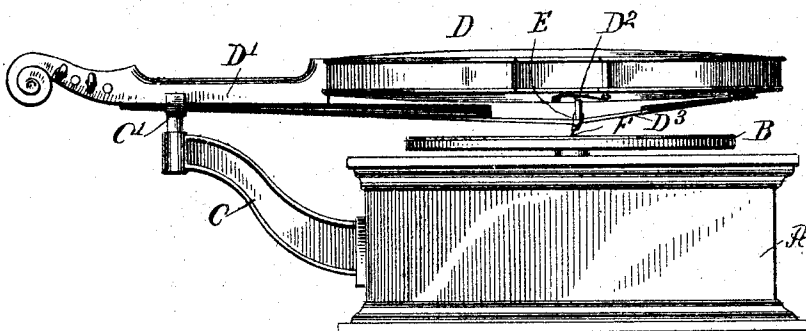
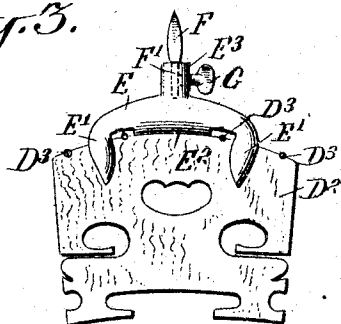


Fig. 3.



WITNESSES

Geo. W. Taylor
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Fig. 4.



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MUSICAL INSTRUMENT.

959,318.

Specification of Letters Patent.

Patented May 24, 1910.

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To all whom it may concern:

Be it known that I, WILLIAM H. DESSUREAU, a citizen of the United States, and a resident of Hazelhurst, in the county of Oneida and State of Wisconsin, have invented a new and Improved Musical Instrument, of which the following is a full, clear and exact description.

The invention relates to gramophones, and its object is to provide an improved means for connecting the stylus with the bridge of a violin, and for supporting a violin on the casing of the gramophone.

For the purpose mentioned a stylus or needle is attached to a violin or a like instrument, and the latter is held suspended, with the stylus or needle in contact with a revolving record, so that the violin forms the sound reproducer and amplifier.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improved musical instrument; Fig. 2 is a side elevation of the same; Fig. 3 is an enlarged face view of the bridge of the violin and the stylus or pin in position thereon; and Fig. 4 is an edge view of the same.

The casing A contains a motor (not shown) for driving the record B, and on one side of the casing A is secured an arm C, carrying at its free end a rest C' for receiving and supporting the neck D' of a violin D of any approved construction. The violin D is provided at its bridge D² with a carrier E, supporting a stylus or a needle F in contact with the record B, as plainly shown in Fig. 2. The carrier E is preferably provided with clamping forks or arms E', straddling the bridge between the adjacent strings D³ (see Figs. 3 and 4) and the said carrier E is also provided on its under side with a curved contact portion E², seated on the top of the bridge, to make a firm contact between the carrier E and the bridge D². The carrier E is provided on its top with a socket E³ for receiving the shank F' of a stylus or needle F, and a set screw G serves to fasten the stylus in place on the carrier E.

By the arrangement described, the carrier E with the stylus or needle F attached thereto can be readily placed in position on the bridge D² of the violin D, whenever it is de-

sired to use the violin as the sound reproducer and sound amplifier, it being understood that when the violin D is in position on the rest C', and the stylus or needle F is in contact with the record B and the latter is rotated, then the record sounds are reproduced, as the violin D serves as a reproducer and amplifier. By the arrangement described the harshness in reproduction of the sounds is avoided and undesirable metallic sounds are eliminated.

The carrier E with the stylus or needle F can be readily attached to the bridges of various violins, and the violins can be successively tested, so as to enable a customer to make a proper selection when buying a violin in a store, it being understood that the customer is readily enabled to judge for himself which of the violins produces the softest and sweetest tones especially when using the same record B when testing the various violins.

Although I have shown the instrument provided with a disk record, it is evident that a cylinder record medium may be used and the stylus or needle provided with a sapphire or other point.

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

1. In combination, a casing provided with a rest, a record mounted to turn on the casing, a violin having its neck resting on the rest, and having its body extending over the record, a stylus, and means for securing the stylus on the bridge, said means comprising a carrier provided at each end with clamping forks for engaging the bridge, said carrier having on its upper side a curved contact portion for engaging the bridge.

2. In a device of the class described, a carrier provided at each end with a clamping fork for engaging a bridge, and with a contact portion intermediate the forks, said forks being spaced apart from the ends of the contact portion to receive a string therebetween.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM H. DESSUREAU.

Witnesses:

J. E. WHALEY,
H. W. THOMPSON.