E. Mollenhauer.

Appr. for Regulating the Position and Movemen of the Arms of Violin Players.

No. 75,950. Patented Mar. 24. 1868.



Witnesses.
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Letters Patent No. 75,950, *dated March* 24, 1868.

APPARATUS FOR REGULATING THE POSITION AND MOVEMENTS OF THE ARMS OF VIOLIN-PLAYERS.

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, EDWARD MOLLENHAUER, of New York, in the county and State of New York, have invented a new and improved Apparatus for Regulating the Position and Movement of the Arms of Violin-Players; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The drawing represents my apparatus for regulating the position of the arms of violin-players attached to the person.

This invention relates to a new and useful device for attaching to the person of a violin-player, for the purpose of regulating the position and movement of the arms when playing on that instrument, and it consists of a belt fastened to the waist, to which is rigidly attached an adjustable guide for the right arm, and also an armlet fastened on the left arm, just above the elbow, which is connected by a chain or strap with the belt on the waist, at a point directly under the guide for the right arm, and lying close to the body inside of the right arm. By this arrangement of apparatus or harness, the hand holding the violin is held out at length in a firm and fixed position, while the bow-arm is governed in its movement, when making the stroke upward and downward, so that the bow is drawn truly and uniformly over the strings of the instrument, enabling the player to touch truly, and produce the best musical effects.

The controlling power over the movement of the bow thus effected greatly facilitates learners in acquiring mastery over the violin, and also assists the execution of skillful artists.

A is a belt, made of metal, or any suitable material, which is fastened around the waist, on the right-hand side of which, when attached to the person, is secured firmly an arm, *a*, on the end of which is fixed, by an adjustablescrew, a guide-board, *b*, in such manner that it shall lie close on the outside of the right arm above the elbow, and bring the arm near enough to the body to keep it firmly in position, while the bow is moved up and down upon the instrument in playing, as shown in the drawing. A belt or armlet, *c*, is also fastened on the left arm, just above the elbow, which is provided with a hook to catch one end of a strap or chain, *d*, which passes next the body, under the right fore-arm of the player, and is attached at the other end to the belt near the elbow.

When the violin is held as usual to play, the left arm is extended to its proper position, the chain *d* will be drawn taut, and thus give it a firm support, while the bow-arm will be kept in a fixed position by the guide-board *b* above the elbow, allowing perfect freedom of the fore-arm to draw the bow with exact movement over the strings of the violin.

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

An apparatus for regulating the position and movement of the arms of violin-players, constructed and operating substantially as herein described.

EDW. MOLLENHAUER.

Witnesses:

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