To all whom it may concern:

Be it known that I, CHARLES H. TODD, a citizen of the United States, residing at New Richmond, in the county of Saint Croix and State of Wisconsin, have invented certain new and useful Improvements in a Violin-Sound-Post Setter; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a device adapted to perform the measuring operations for and to place in position the sound posts provided between the upper and lower walls of a violin body. These sound posts which comprise small cylindrical members are placed after the violin body is assembled and it has been a tedious and difficult job to properly measure and place the same in position.

It is an object of this invention to provide an extremely simple device by which the required length of the post may be determined and by means of which the posts may be held and quickly and easily placed in position.

It is a further object of the invention to provide the device with a clamping means for holding the post, comprising a flexible member, by means of which the posts can be readily released from the clamping device.

These and other objects and advantages of the invention will be apparent from the following description made in connection with the accompanying drawing in which like reference characters refer to the same parts throughout the different views, and in which:

Fig. 1 represents a perspective view showing the use of the device on a violin;

Fig. 2 shows the device in side elevation as used with a violin;

Fig. 3 shows the device as used to measure the length of the sound post;

Fig. 4 is a horizontal section taken on the line 4—4 of Fig. 2, looking in the direction of the arrows; and

Fig. 5 is a partial plan view showing a modification.

Fig. 6 shows a convenient method of securing the cord or string used. In this form, the cord is formed with two strands, the loose ends of which are passed through the portion 6a of the violin body and knotted so that it cannot be withdrawn therethrough. The ring 9a is held by the two
strands by simply passing the loose ends through the bight or end loop of the strands thus forming a holding loop for the ring. The two strands of the cord function just as the one strand previously described.

From the above description it will be seen that applicant has provided a very simple and efficient tool by which the sound post can be easily and quickly measured and placed in position. The device has proven very efficient in actual practice and been very successful in its use.

It will, of course, be understood that various changes may be made in the form, details and proportions of the parts without departing from the scope of applicant's invention, which, generally stated, consists in the matter shown and described and set forth in the appended claims.

What is claimed is:

1. A sound post placing device comprising a handle, a member extending therefrom and having a holding means including a flexible member at the end thereof adapted to be introduced into a violin body through the usual opening in the top thereof.

2. A sound post placing device comprising a handle, a member extending therefrom and having a clamping means at one end including a rigid member having a concave surface adapted to extend longitudinally of the post, and a flexible member co-operating therewith.

3. The structure set forth in claim 2, the flexible member being attached at one end adjacent the said rigid member and extending to said handle portion and having a holding means attached thereto at its other end.

4. A sound post placing device comprising a handle, a rod extending therefrom having its end portion bent into a lower plane than the portion connected to the handle, a semi-cylindrical sleeve secured to the end of the rod, a flexible cable secured adjacent said sleeve, and a holding means on the end of the cable.

5. A sound post placing device comprising a handle portion, a wire rod secured thereto and extending therefrom having its end portion parallel to but disposed in another plane from the portion secured to the handle, a rigid clamping member rigidly secured to the end of the rod, and a flexible cable secured to the rod adjacent said clamping member and having a holding means at one end.

6. A sound post placing device comprising a handle, a wire or rod extending longitudinally therefrom and bent at substantially a right angle at some distance from said handle and again bent at a substantially right angle to extend parallel to the portion adjacent the handle, and a clamping means on the end of said wire or rod.

7. The structure set forth in claim 6, said clamping means including a segment of a hollow cylinder having its convex surface attached to the end of the rod with the longitudinal axis of the segment normal to the axis of said rod.

8. The structure set forth in claim 7, a flexible member being attached to the end of a wire or rod adjacent said segment and extending to the handle portion.

In testimony whereof I affix my signature.

CHARLES H. TODD.