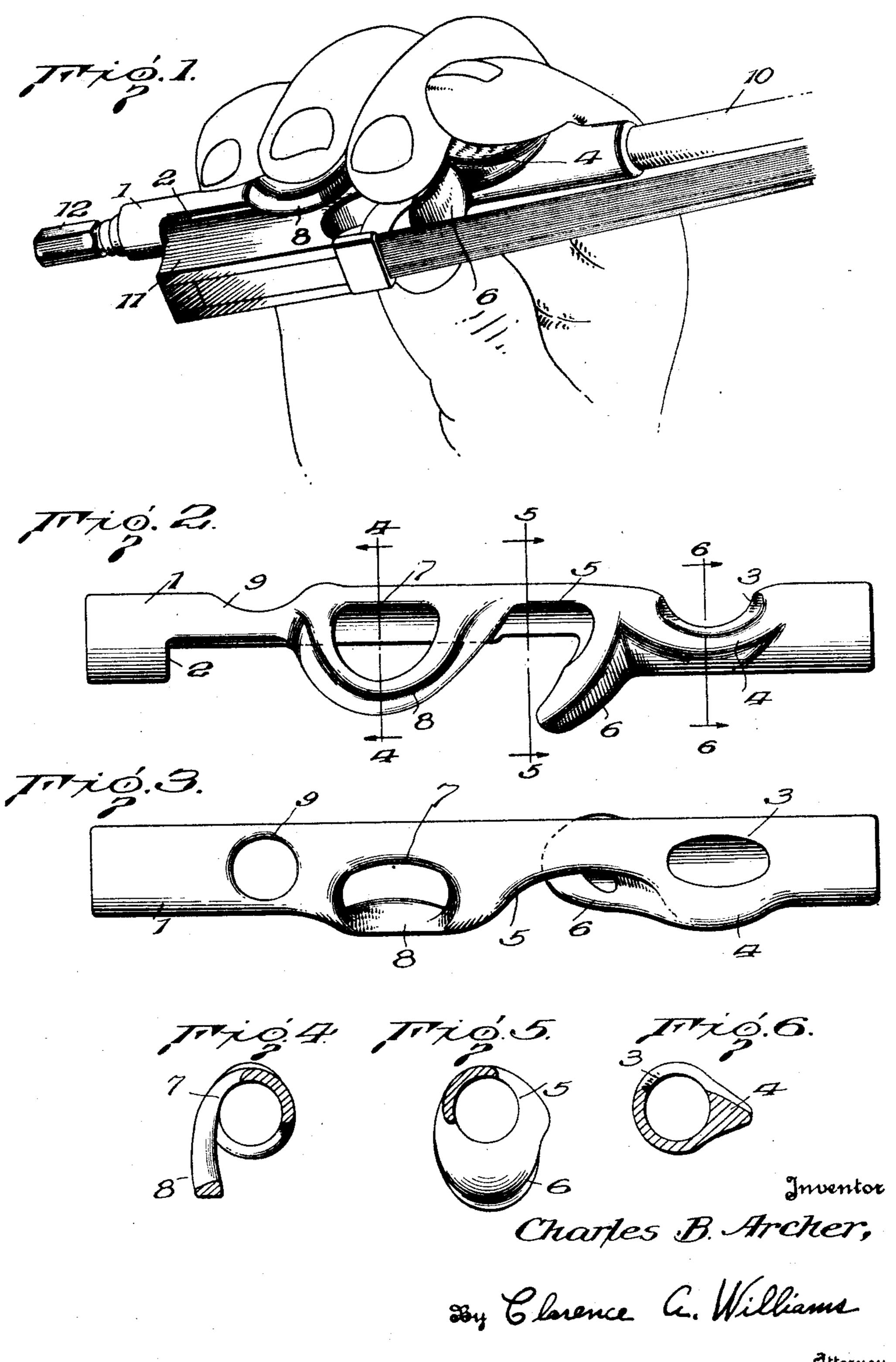
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GRIP ATTACHMENT FOR VIOLIN BOWS Original Filed Nov. 10, 1930



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UNITED STATES PATENT OFFICE

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ATTACHMENT FOR VIOLIN BOWS

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This invention relates to a new and use-

The main object of the invention is to provide an attachment for violin bows that will cause a pupil to grip the bow in the corpupil to correctly grip the bow. The use 55 rect manner and to automatically become accustomed to a position necessary for correct bowing.

provide an attachment of this character that one will be uncomfortable. does not materially alter the balance of the The authorities agree there is a scientificalbow when applied.

ment for this purpose that may be readily correctly is that the thumb be placed oneattached to or removed from a bow with- third on the bow frog and two-thirds on the 65 out any alteration to the conventional con-stick. Only the tip of the thumb must be

ment having finger receiving sections so ar- ping the bow too tightly. The second finger ranged that the fingers are only comfortably positioned therein when the bow is correctly gripped.

With the above and other objects and advantages in view, the invention consists in The third finger is placed around the stick the detail of construction and arrangement of elements to be herein more fully described and claimed, and illustrated in the accompanying drawing, in which:

Figure 1 is a perspective view of the grip applied to a bow with the hand of a player placed thereon in correct bowing position.

Figure 2 is a side elevation of the attachment.

Figure 3 is a top plan view of the attachment.

Figure 4 is a vertical section on the line 4-4 of Figure 2.

Figure 5 is a vertical section on the line 5—5 of Figure 2.

6-6 of Figure 2.

pupil a basically correct grip for the bow. Due to the fact that hands are differently tion 2 from the bottom extending between the 95 shaped the physical characteristics of the pupil will predominate and there is a tendency to normally assume an incorrect bowing position. It is extremely difficult for ity of finger receiving sections adapted to re-

bow can be controlled with the least amount ful improvement in a grip for violin bows. of effort, particularly when teaching classes, and this attachment is designed in accordance with accepted principles to cause the of this attachment will automatically enable the pupil to assume a correct bowing position and the use of a bow with this attach-A further object of the invention is to ment in any other position than the correct

ly correct principle in holding or gripping Still another object is to provide an attach- the bow. The rule for holding a violin bow used as the thumb must go through the bow A further object is to provide an attach- half way to prevent locking the wrist or gripmust be placed directly opposite the thumb 70 and engages the side of the bow stick at the first joint. The thumb and second finger must be perfectly in line, yet not touching. and rests on the side of the bow stick between 75 the tip and first joint. The fourth or little finger is placed directly on top of stick and touches only with the tip. The first or index finger merely rests on the top of the bow stick between the first and second joints.

This attachment is designed primarily with the end in view to force the pupil to grip the bow as above described. When the hand grips the bow with this attachment any other position than the correct one outlined 85 will, due to the shape and configuration of the grip, be uncomfortable.

The attachment is in the form of a tubular sleeve 1 and is made very light. It can be Figure 6 is a vertical section on the line made of various materials such as vulcanite, 50 rubber, or aluminum and as much of the ma-In the beginning of violin study probably terial as possible is eliminated so as to make the most important thing is to teach the the attachment in a skeleton form. The attachment is formed with an under-cut porends and placed closer to the rear end than the front portion.

The attachment is provided with a pluralthe teacher to correct the pupil so that the ceive the fingers and to position them cor-

tions are formed in different sizes and shapes cated in Figure 1 with the side of the finger as will be hereafter described and certain of tip engaging the depending rest lug 6 formed them are offset with respect to others taken 5 on a top longitudinal center line of the sleeve. The first of these sections is designated by the numeral 3 and is formed in the shape of a depressed aperture disposed substantially at the top of the sleeve and provided at one side 10 with a shelf-like rest 4. This depression is adapted to receive the first or index finger in in position by the lower shelf portion 8 of a manner to be hereinafter more fully de- this aperture. scribed. The attachment is provided with a recess 5 disposed at one side of the upper the aperture 9 directly on top of the stick. 15 center line of the sleeve and extending down- This aperture is so made that only the tip of 80 wardly terminating with the under-cut portion of said sleeve. This recess is provided with a rest in the form of a depending integral lug 6 which forms a rest for one side of 20 the second finger when positioned in said recess.

The depressed aperture for the third finger is indicated by the numeral 7 and this is located also to one side of the upper center line 25 of the attachment as clearly indicated in Figures 2 and 3. This depressed aperture is provided with a shelf-like rest at its lower side indicated by the numeral 8 to be engaged by the finger. The section of the sleeve to 30 receive the fourth or little finger is merely a depressed aperture indicated by the nuthrough the aperture.

The attachment is arranged to be placed into position on the stick and the frog re- of the bow. 50 placed in the conventional manner. The While the object of this invention is to 115

ceive the thumb. the pupil's hand must assume correct bowing rect gripping position. position. This position is shown in Figure 1 of the drawing. The thumb is to be placed 1. A bow grip attachment comprising a one-third on the bow frog and two-thirds on the stick. The thumb does not have any actual contact with the attachment. The second finger must be placed directly opposite the thumb at the first joint. By placing this finger in the cavity 5 it engages the side portion of the second finger. 65 of the stick correctly at the first joint and

rectly with respect to the bow. These sec- it will naturally assume the position indion the grip sleeve. The third finger is placed in the aperture 7 and naturally reaches around 70 the stick and rests on the side of the frog piece through this aperture. This finger has a set position when placed in the aperture and rests on the bow stick between the tip and first joint. It is naturally guided and held 75

The fourth or little finger is placed through the finger can be used which is the correct position for this finger. The first or index finger is positioned in the aperture 3 and this will cause the same to be placed on the bow stick between the first and second joints. 85 As this finger is movable with movement of the bow, the aperture 6 is made large and substantially oval shaped to insure perfect freedom and relaxation of the first finger in any position of the bow. The shelf portion 90 4 will act as a guide or rest for the finger and assure its correct position.

In making this attachment a skeleton form is used so that the stick is bared as much as possible. When used the hand can almost 95 hold the bow without touching the guide or meral 9 which is arranged in the top of the grip and there is a direct individual finsleeve and is of sufficient size to merely re- ger engagement with the bow. This allows ceive the finger tip. It is differently shaped the pupil to feel the bow stick itself and at 35 from the aperture 3 as the finger tip in this the same time the construction automatically 100 instance is designed to lie upon the bow stick positions the fingers correctly. After some use of this grip attachment the pupil can dispense with the same and the fingers will upon a conventional bow as indicated in Fig- automatically assume correct position. This 40 ure 1 of the drawing. In Figure 1 the nu- is the primary object of this attachment which 105 meral 1 indicates the attachment, 10 the bow really trains the various fingers to grip the stick, while the conventional frog is indi- bow itself correctly. It acts more as a guide cated by the numeral 11. The usual bow than any positively corrective device and due strings are connected with the frog and the to the fact the bow stick itself may be felt 45 frog is held in position by the usual screw 12. with the attachment in position it is ob. 110 The attachment is placed on the bow by tak- viously very beneficial in accomplishing the ing out the screw and removing the frog. desired result. The attachment is very light The tubular sleeve of the grip is then slipped and in position does not alter the balance

under-cut portion 2 of the grip attachment help beginners primarily, the attachment can receives the frog at the rear end and enough also be used for corrective purposes by adroom is still left at the front portion to re- vanced pupils who have acquired a faulty grip. This attachment will prove of great With this attachment in position on a bow value in training or urging the fingers to cor- 120

I claim:

skeleton sleeve having an under-cut portion and a plurality of depressed apertures appro- 125 priately sized to fit portions of the first, third and fourth fingers of the hand, and said sleeve having a recess at one side to receive a 2. A bow grip attachment comprising a 130

skeleton sleeve having an under-cut portion, the upper portion of said sleeve having a plurality of different sized and shaped apertures, a side recess in said sleeve, and a de-

pending lug adjacent thereto to form a rest. 3. A bow grip attachment comprising a sleeve having an under-cut portion, the upper portion of said sleeve having a plurality of different sized and shaped apertures, 10 shelved rest portions formed adjacent certain apertures, a recess in the side of the sleeve, and a depending lug adjacent thereto to form a rest.

4. A bow grip attachment comprising a 15 skeleton sleeve adapted to be mounted on the gripping end of a violin bow, and a plurality of appropriately shaped finger receiving portions formed thereon adapted to only comfortably receive the adjacent portions of 20 the individual fingers normally directly engageable with the bow when the same is correctly gripped.

5. A bow grip attachment comprising a skeleton sleeve adapted to be mounted on the 25 gripping end of a violin bow and having certain openings therethrough to permit direct individual finger engagement with said bow, and finger positioning portions on the sleeve adjacent said openings to cause the individual fingers to naturally assume a correct

position.

6. A bow grip attachment comprising a skeleton sleeve adapted to be mounted on the gripping end of a violin bow and having certain openings therethrough to permit direct individual finger engagement with said bow, finger positioning portions on the sleeve adjacent said openings, and each opening and adjacent positioning portion being appropriately sized and located for the individual

finger received thereby.

7. A bow grip attachment comprising a unitary skeleton sleeve adapted to be mounted on the gripping end of a violin bow, said sleeve having certain openings through the upper portion thereof to permit individual finger engagement with the bow and an undercut portion to receive the frog and player's thumb, finger positioning portions on the sleeve adjacent said openings, each opening and positioning portion being appropriately formed for the individual finger received thereby, and said openings and positioning portions being offset with respect to each

In testimony whereof I affix my signature. CHARLES B. ARCHER.