No. 775,792. PATENTED NOV. 22, 1904.

F. W. BECKER.

COMBINED CHIN AND SHOULDER REST FOR VIOLINS.

APPLICATION FILED MAR. 18, 1904.

NO MODEL.

Fig. 1.

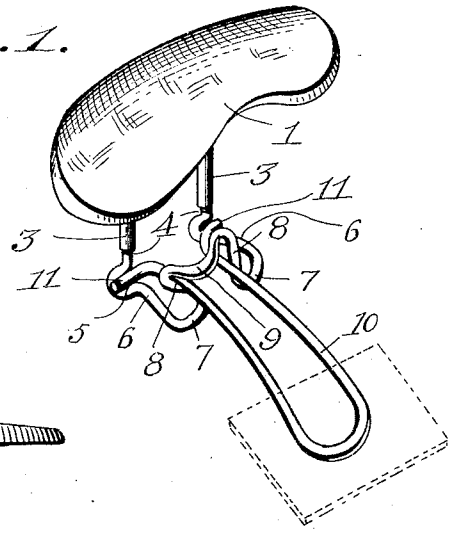


Fig. 2.

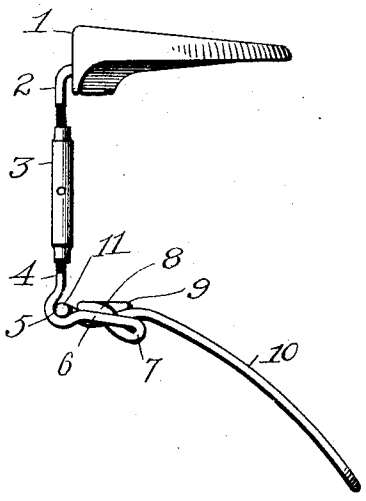


Fig. 3.

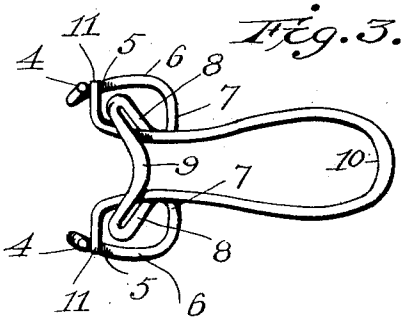
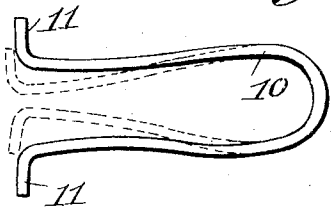


Fig. 4.



Witnesses
Edwin L. Yewell
H. B. Burgess Jr.

Inventor
Frederick W. Becker
by Percy B. Hills
Attorney

No. 775,792. Patented November 22, 1904.

UNITED STATES PATENT OFFICE.

FREDERICK W. BECKER, OF NEW YORK, N. Y., ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO MARIA ANTONIA BECKER, OF NEW YORK, N. Y.

COMBINED CHIN AND SHOULDER REST FOR VIOLINS.

SPECIFICATION forming part of Letters Patent No. 775,792, dated November 22, 1904.

Application filed March 18, 1904. Serial No. 198,872. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. BECKER, a citizen of the United States, residing in the borough of Manhattan, city of New York, and State of New York, have invented new and useful Improvements in Combined Chin and Shoulder Rests for Violins, of which the following is a specification.

My invention relates to combined chin and shoulder rests for violins, and has for its object to provide an improved means for connecting said shoulder-rest with the chin-rest, combining simplicity in structure and operation and economy in cost. This object I accomplish in the manner and by the means hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective of a combined chin and shoulder rest embodying my improved construction. Fig. 2 is a side elevation of the same. Fig. 3 is a plan view of the shoulder-rest connected with the base of the chin-rest, the chin-rest being removed. Fig. 4 is a detail view of the shoulder-rest.

Similar numerals of reference denote corresponding parts in the several views.

In the said drawings the reference-numeral 1 denotes the chin-rest plate proper, to which are attached two vertical posts 2, screw-threaded at their lower ends to engage sleeves 3, that are in turn in screw-threaded engagement with the oppositely-screw-threaded upper ends 4 of the base of the chin-rest. The construction of this portion of the device being old and well known, no further description of its parts is deemed necessary.

The base of the chin-rest is formed entirely of wire, as follows: Below the portions 4 are formed the seats 5, the wire being then extended forward horizontally at 6, then bent inward and downward at 7, then back again and upwardly at 8, and finally bent abruptly inward and merging in the transverse portion 9, formed in an arc projecting forwardly.

The shoulder-rest 10 is composed of wire bent into approximately U shape and having the outwardly-projecting ends 11.

To assemble the parts, the ends of shoulder-rest 10 are pressed toward each other, as shown in dotted lines in Fig. 4, and the ends 11 thereof inserted into the seats 5, care being taken to have the side arms of the same engage above that portion of the base of the chin-rest located between the parts 7 and 8 thereof, the result being that when released the resiliency of the arms of the shoulder-rest will cause an engagement of the ends 11 with seats 5 and will cause the side arms of said shoulder-rest to underlie the transverse part 9 and overlie the portions 7, thus firmly locking said shoulder-rest in fixed relation to the base of the chin-rest.

The arms of the shoulder-rest may be bent downward at a point in advance of its engagement with the base of the chin-rest to give the proper angle to said shoulder-rest, and the forwardly-projecting loop thereof may be flattened and, if desired, apertured to receive pins for attaching thereto a suitable pad, as shown at 12 in Fig. 1. So, also, the top of part 9 of the chin-rest base may be suitably flattened for a similar purpose.

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

1. The combination with a violin chin-rest, and its base, the latter formed of wire, of a shoulder-rest also formed of wire, said base and shoulder-rest being suitably shaped to permit a detachable spring engagement between them that will maintain a fixed relation therebetween when assembled.

2. The combination with a violin chin-rest, and its base, the latter formed of wire shaped to provide two seats and upper and under stops in advance of said seats, of a shoulder-rest also formed of wire and having resilient arms and bent ends carried thereby and adapted to engage the seats in the chin-rest base, the arms of said shoulder-rest adapted to engage between the upper and under stops when said seats and ends are engaged.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

FREDERICK W. BECKER.

Witnesses:

ROBT. MCCASTLINE,

ALFRED R. PERRIN.