

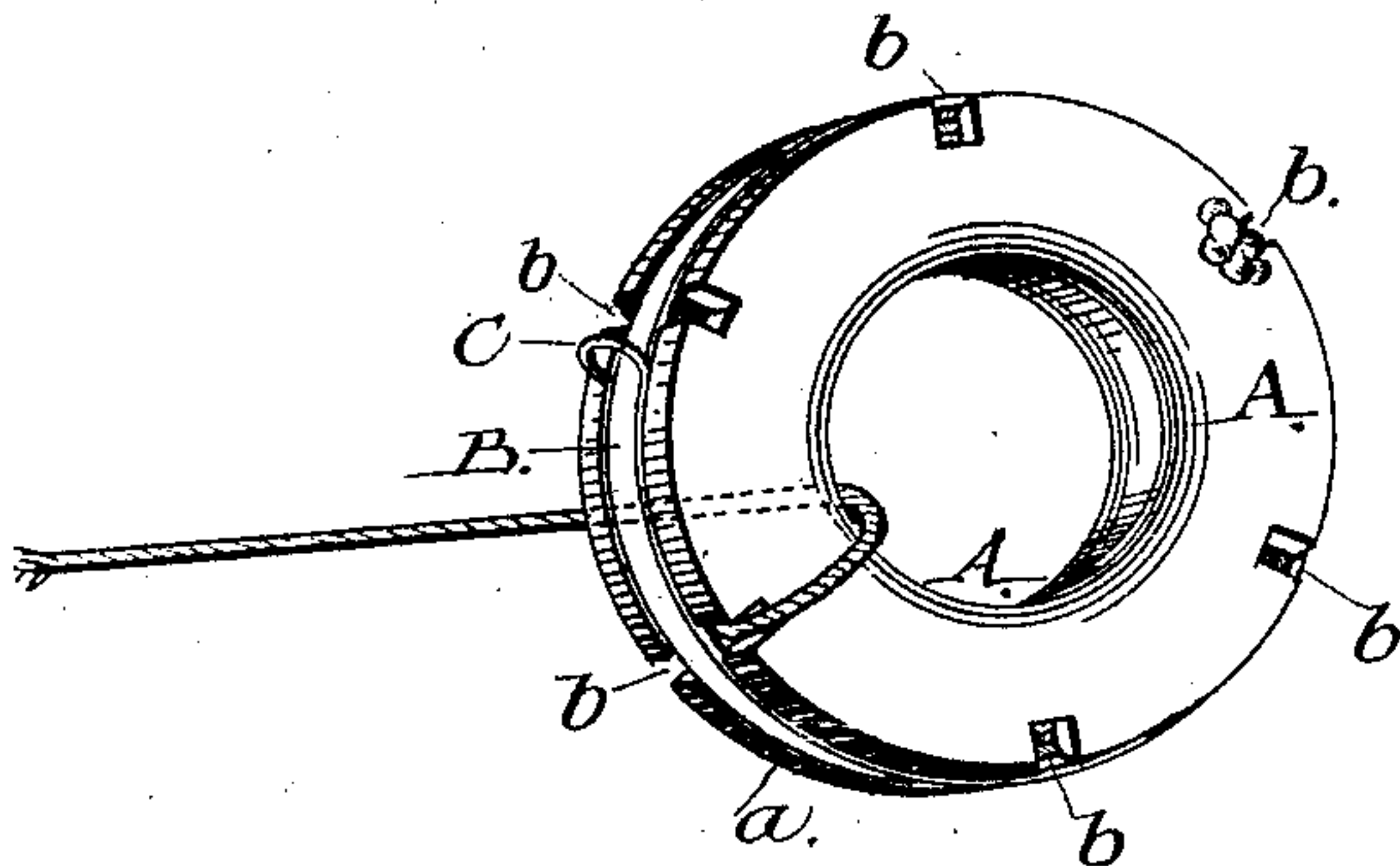
(No Model.)

I. J. HART.  
VIOLIN ATTACHMENT.

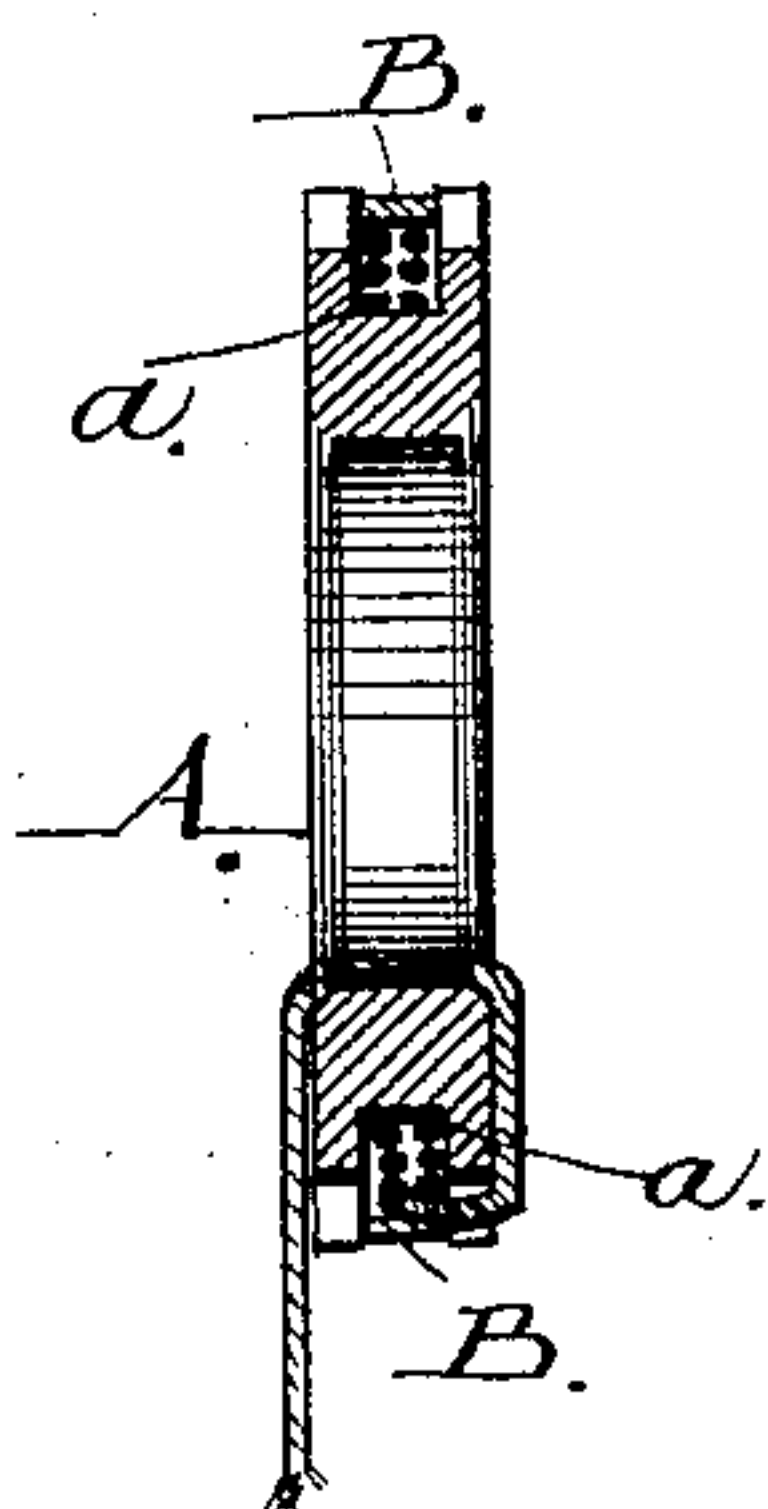
No. 322,098.

Patented July 14, 1885.

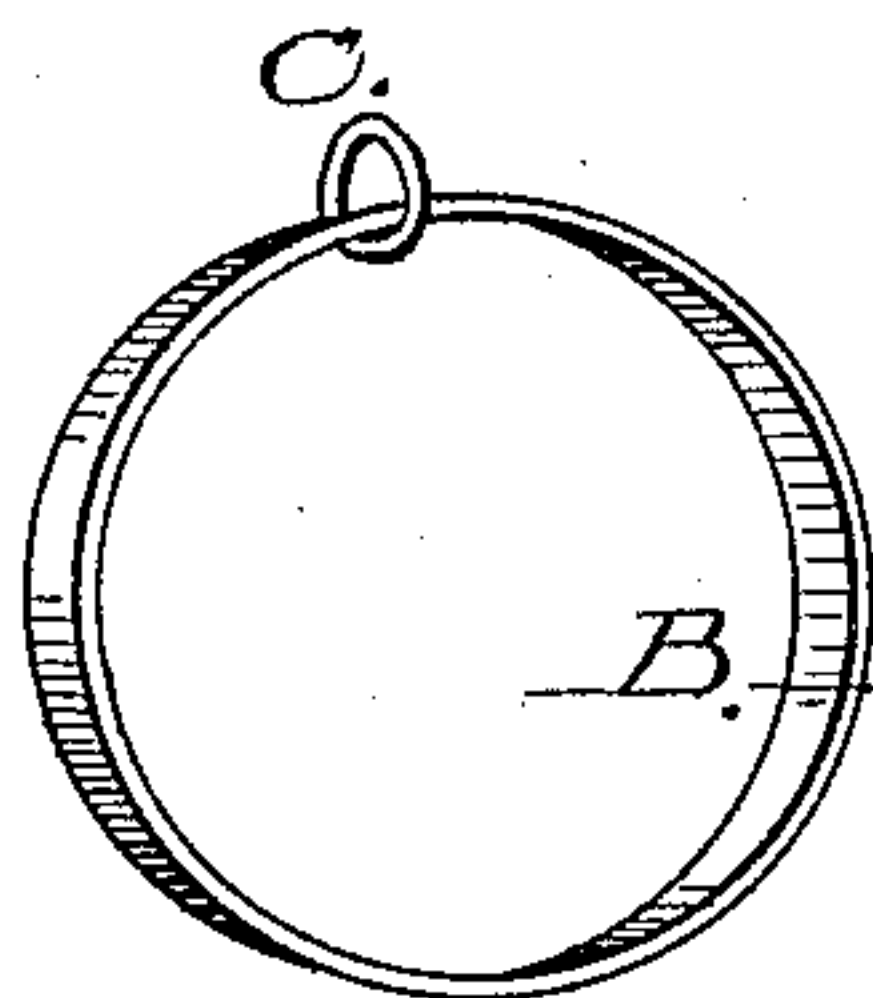
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses;

J. Walter Fowler,  
H. B. Applewhite,

Inventor:

Ivy O. Hart

per attys.

A. H. Evans & Co.

# UNITED STATES PATENT OFFICE.

IVY JAY HART, OF CHANDLER, INDIANA.

## VIOLIN ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 322,098, dated July 14, 1885.

Application filed January 29, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, IVY J. HART, a citizen of the United States, residing at Chandler, in the county of Warrick and State of Indiana, 5 having invented certain new and useful Improvements in Violin Attachments, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of one of my improved rollers for holding the strings. Fig. 2 is a vertical cross-sectional view. Fig. 3 represents the retaining-band removed.

15 My invention relates to devices designed to save the strings of a violin or other similar instrument and to facilitate restringing when a break occurs; and my invention consists in the novel construction and arrangement of a series of rollers secured to the tail-piece of the instrument and resting against its under side, 20 to which the rollers are held by the tension of the string.

My invention also consists in the application of a retaining-band and in the peculiar construction of these several devices, all of which I shall hereinafter fully describe and claim.

The object of my invention is to produce a cheap, simple, and convenient string-holder 30 for violins and other stringed instruments, by which strings of more than one length are used without being cut into lengths, the entire string being at hand and easily and quickly adjusted when broken, and by which 35 the durability of strings is greatly increased, as, when broken, only that part nearest the neck of the instrument is lost, the remainder going toward forming a new length.

Referring to the accompanying drawings, 40 A represents one of my improved rollers. This roller is preferably constructed of hard rubber, although celluloid, ivory, or any other material may be used in their construction. The roller is provided with a deep 45 groove, *a*, in which the string is wound. Slots or notches *b* are formed in the roller transverse to the groove *a*, and in these notches *b* the knotted end of the string is placed and

held. To prevent the strings from coming out of the groove, I employ an elastic retaining- 50 band, B, adapted to fit in the grooves and on top of the strings, as shown in Fig. 1. To facilitate the removal or adjustment of the band B, I place upon said band a loop, C, or its equivalent. These devices are used in the follow- 55 ing manner: A knot is made near one end of the string, and the string near the knot is slipped into a notch of the string-holder, the knot resting on the outer side of the notch. The string is now wound in the groove of the 60 string-holder until only sufficient string for one length remains. The string is then slipped into a notch on the same side of the string-holder as the knot, the string pointing out- 65 ward. The string is now passed up through the center of the string-holder, so that it will draw over its inner edge or circumference, and then up through the proper hole in the tail-piece. The elastic band is placed around 70 the string in the groove, which serves as a protection to the string and holds it in place, at the same time allowing of its being unwound as required without removing the band. When the string is drawn tight, the string-holder is 75 held to the tail-piece without being fastened to it in any other way.

I am aware it is not broadly new to attach rollers for holding strings to the tail-piece of a violin, and such construction I therefore do not broadly claim. 80

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

1. An improved attachment for violins consisting, essentially, of grooved and trans- 85 versely slotted rollers, and elastic retaining-band engaging the grooves, substantially as and for the purpose described.

2. The roller A, having an annular groove, *a*, and transverse notches *b*, in combination 90 with an elastic retaining-band provided with a loop, C, substantially as herein described.

IVY JAY HART.

Witnesses:

C. C. FERGUSON,  
G. L. MASTERS.