No. 713,722. Patented Nov. 18, 1902.

L. P. VALIQUET.

CONNECTOR FOR HORNS AND SOUND BOXES OF TALKING MACHINES.

Application filed Mar. 26, 1902.

(No Model.)

Fig. 1.

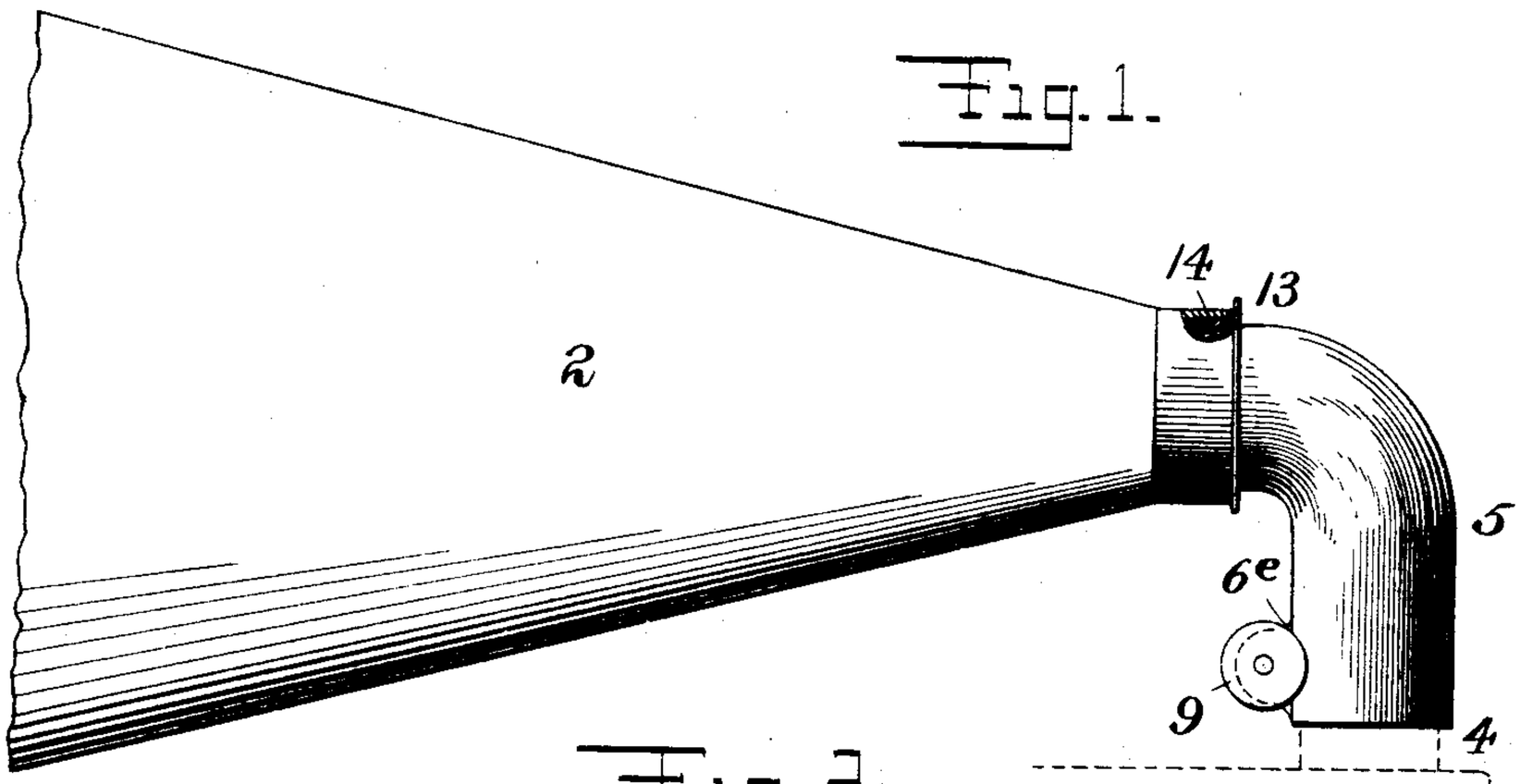


Fig. 2.

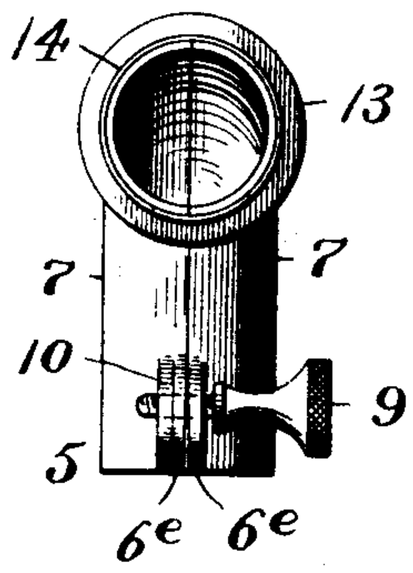


Fig. 3.

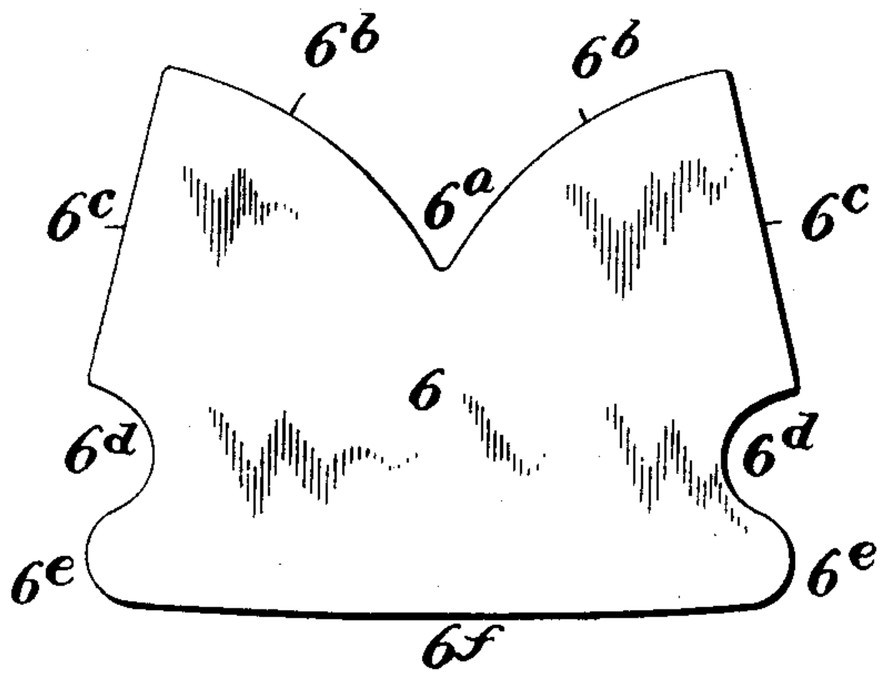
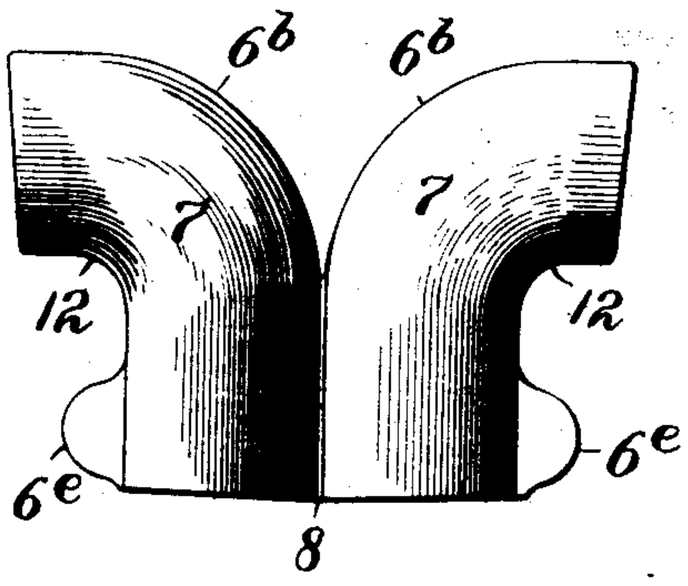


Fig. 4.



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LOUIS P. VALIQUET, OF NEW YORK, N. Y., ASSIGNOR TO THE UNIVERSAL TALKING MACHINE MANUFACTURING COMPANY, OF NEW YORK, N. Y.

CONNECTOR FOR HORNS AND SOUND-BOXES OF TALKING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 713,722, dated November 18, 1902.

Application filed March 26, 1902. Serial No. 100,045. (No model.)

To all whom it may concern:

Be it known that I, LOUIS P. VALIQUET, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Connectors for the Horns and Sound-Boxes of Talking-Machines, of which the following is a specification.

Heretofore the connection of the horns of talking-machines with the sound-box has been by means of a sleeve of leather or other non-sonorous material of such nature that sound vibrations would not be emitted or transmitted to or from the sound-box. These connections are unstable, expensive, and difficult in the matter of making them to properly and uniformly fit the horn and neck of the sound-box.

The object of my invention is to provide a horn and sound-box connection or connector which shall possess the advantages of the leather connection and at the same time obviate its disadvantages; and to this end my invention consists in the metal horn and sound-box connector, as hereinafter described and claimed and in the special construction of the same.

In the accompanying drawings, to which reference is made and which form a part of this specification, Figure 1 is a plan view of a talking-machine horn and sound-box, showing my new connector applied thereto, a portion of the horn being broken away. Fig. 2 is a plan view of the connector. Fig. 3 shows, slightly enlarged, the metal blank for the connector as it comes from the blanking-die; and Fig. 4 is a plan view of the sections after the blank comes from the press or forming-die.

In the drawings, 2 designates the horn; 3, the sound-box, provided with a neck.

4 and 5 designate the connector.

The connector is formed of a metal blank 6, stamped out in a blanking-die in the form shown in Fig. 3, the same having the notch 6^a, the diverging curved edges 6^b 6^b, the opposite diagonal edges 6^c 6^c, the marginal indentations 6^d 6^d, the projections 6^e 6^e, and the main lower edge 6^f. The blank is then struck up in a forming-die into the shape shown in Fig. 4—that is to say, formed into the curved and semicylindrical sections 7 7, united by the web 8, and each with a flat ear or lug 6^e, one of which is to be perforated, the other screw-tapped to receive the thumb-nut 9, as shown in Figs. 1 and 2. It is found expedient to reinforce one of the said lugs, the one which is screw-tapped, by a plate 10 to give the thumb-nut a firmer hold, and this is brazed or soldered to the outer surface of the screw-tapped end, as shown in Fig. 2.

The semicylindrical sections 7 7 are closed together, bending the web 8, and the edges 6^b 6^b brazed or soldered. Brazing or soldering is also applied to the edges 12 12 down to a point adjacent to the lugs 6^e 6^e, the remainder being left open to form flexible jaws to be relaxed and closed by the thumb-nut 9, the web 8 tending as a spring to open the jaws whenever the nut is relaxed or turned back. When so turned back, the neck 4 of the sound-box may be readily inserted, and by turning the thumb-nut bound firmly in place, so that no jar or rattle can take place.

The horn end of the connector is by preference finished with a collar 13, having a screw-threaded flange 14 to fit into the screw-threaded end of the horn, so that the connector can be readily attached and detached from the horn, enabling horns to be nested for shipment, the connectors being packed separately; but I do not limit myself to this construction, as the connectors may be permanently attached to the horn by soldering, or other means of attachment may be employed; nor do I limit myself to the use of a thumb-nut for binding the connector upon the neck of the sound-box, as other suitable fastening may be employed.

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

1. The combination with the sound-box and horn of a talking-machine, of a metal connector fastened at one end to the horn, and formed with a clamp at the other, and a fastening device applied to said clamp for binding the same upon the neck of the sound-box, substantially as described.

2. A horn and sound-box connector the same consisting of two curved and semicylindrical sections united by a web at one side,

finished at one end to connect with the horn, the sections being open opposite the web, and a fastening device for binding the sections upon the neck of the sound-box, substantially as described.

3. A horn and sound-box connector formed with a screw-thread at one end and a clamp at the other combined with a fastening device for binding the clamp upon the neck of the sound-box, substantially as described.

4. A blank for a horn and sound-box connector formed with the notch 6^a, curved edges 6^b 6^b, diagonal edges 6^c, 6^c, recesses 6^d 6^d, projections 6^e 6^e and edge 6^f, substantially as shown and described.

5. The curved and semicylindrical sections 7 7 each having a flat marginal end 6^e at one end, the straight portions of the sections being united by the web 8, substantially as and for the purposes set forth.

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