

No. 745,444.

PATENTED DEC. 1, 1903.

H. C. KESTEL.

ELBOW FASTENING FOR TALKING MACHINE HORNS.

APPLICATION FILED SEPT. 16, 1903.

NO MODEL.

Fig. 1.

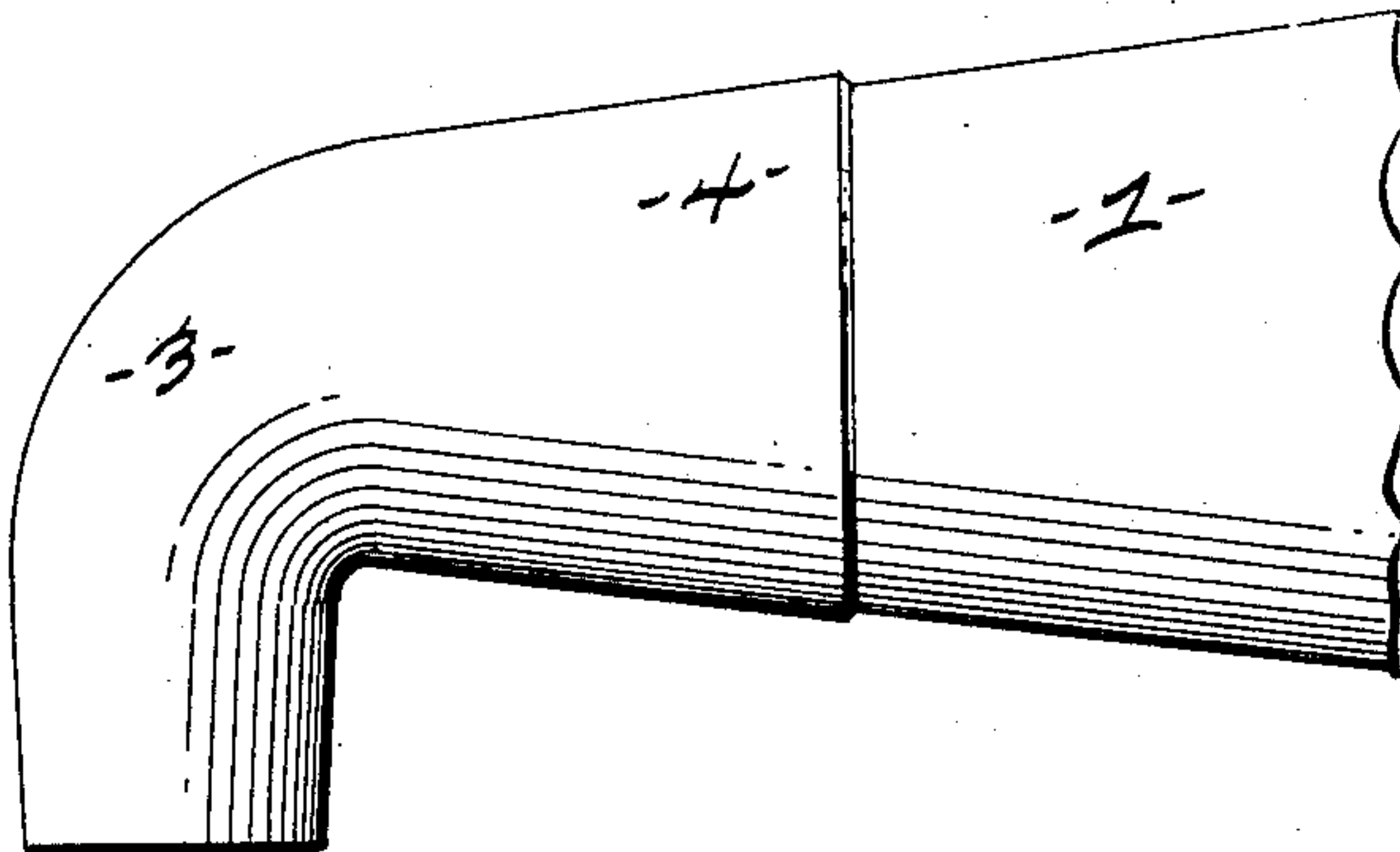


Fig. 2.

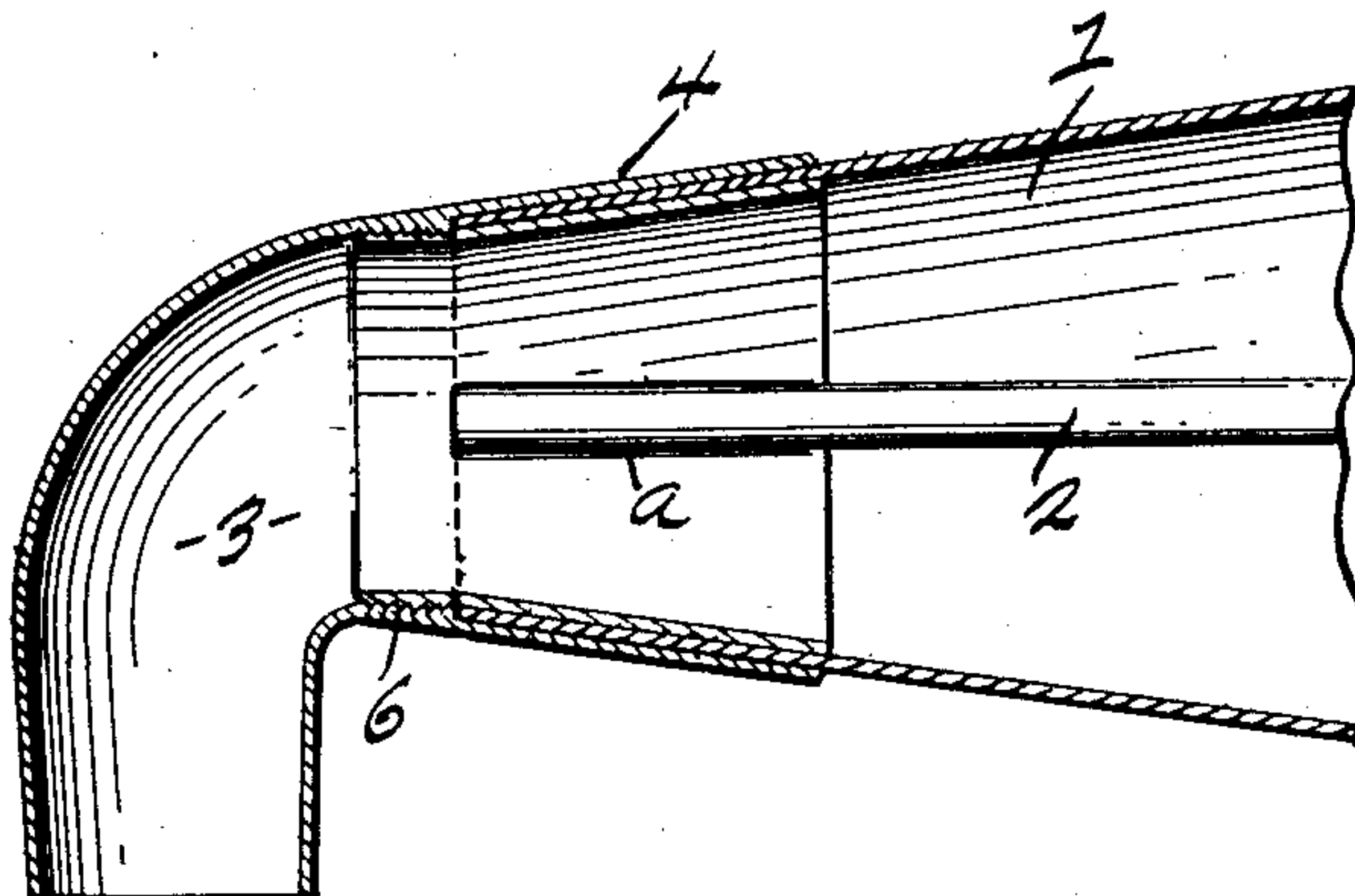


Fig. 3.

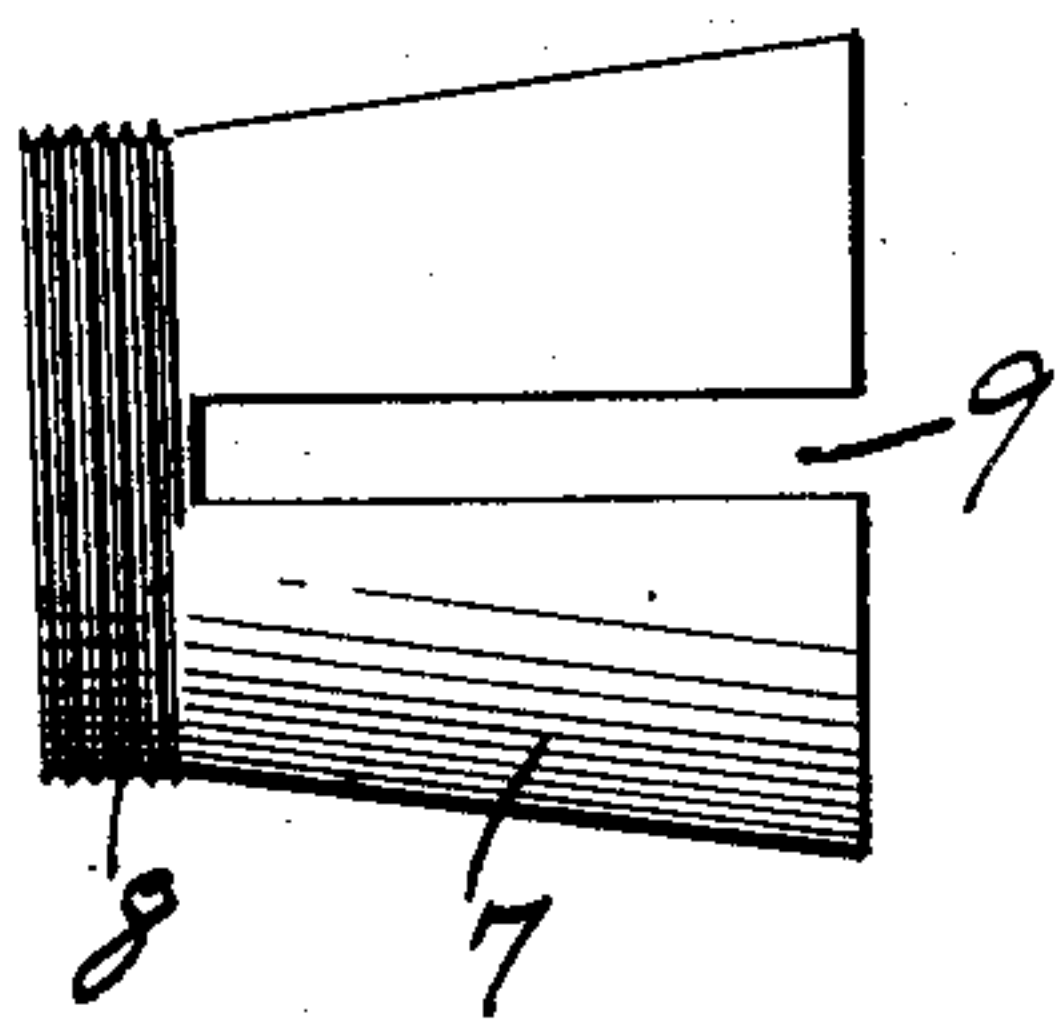
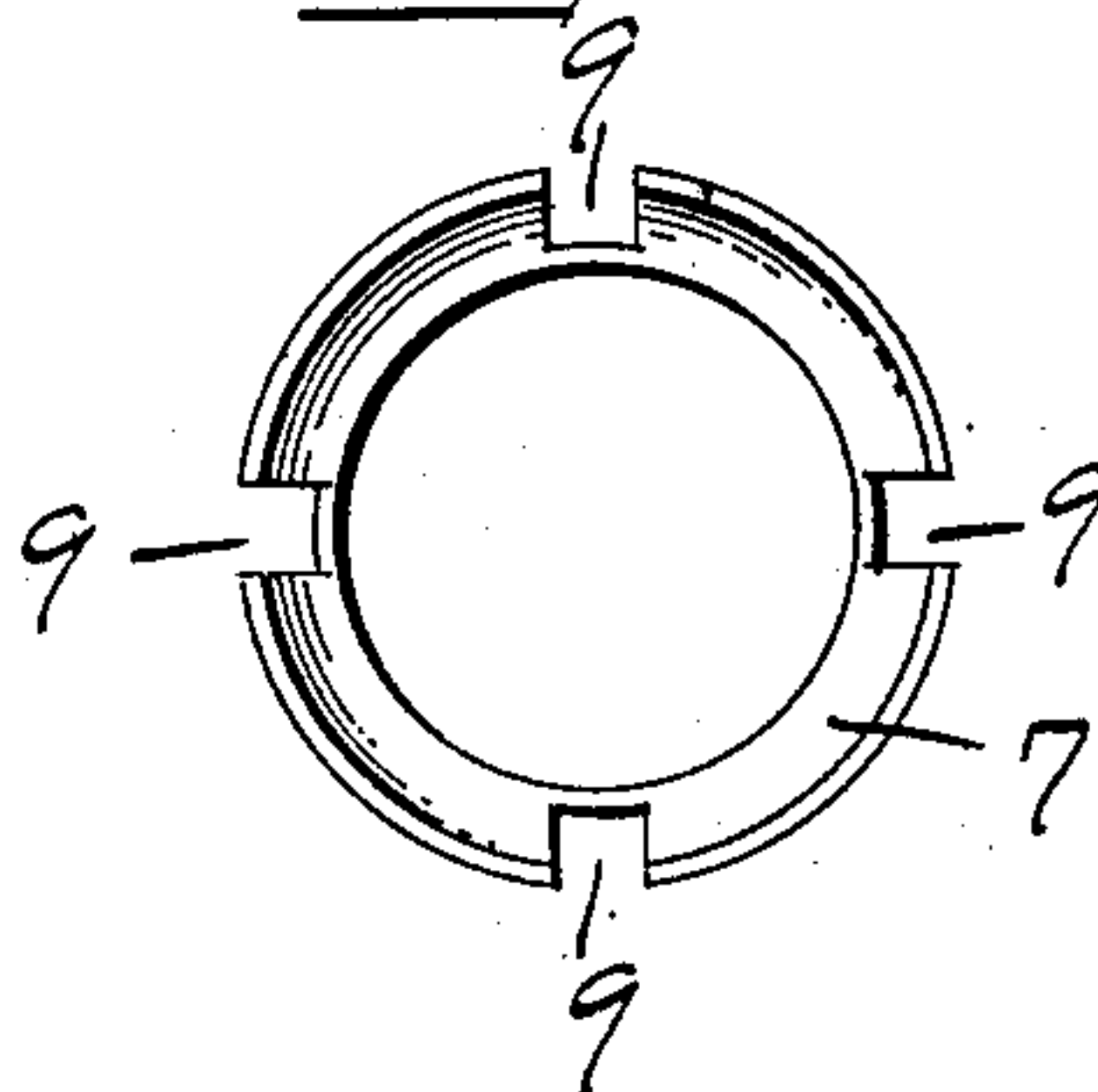


Fig. 4.



WITNESSES

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INVENTOR

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UNITED STATES PATENT OFFICE.

HARRY C. KESTEL, OF TOLEDO, OHIO, ASSIGNOR OF ONE-HALF TO HARRY ENSIGN, OF TOLEDO, OHIO.

ELBOW-FASTENING FOR TALKING-MACHINE HORNS.

SPECIFICATION forming part of Letters Patent No. 745,444, dated December 1, 1903.

Application filed September 16, 1903. Serial No. 173,375. (No model.)

To all whom it may concern:

Be it known that I, HARRY C. KESTEL, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful Improvements in Elbow-Fastenings for Talking-Machine Horns; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form part of this specification.

My invention has reference to improved means for fastening talking-machine horns; and it has for its object to provide an extremely rigid construction for detachably connecting a talking-machine horn with its elbow, the invention being simple, compact, inexpensive, easily operated, and presenting a neat appearance.

To this end the invention comprises the novel combination and arrangement of the parts hereinafter shown, described, and claimed.

In the drawings, Figure 1 shows my improved elbow-fastening in position upon the end of a horn. Fig. 2 is a longitudinal sectional view to disclose the relation of the parts when assembled. Fig. 3 is a side elevation, and Fig. 4 an end view, of the slotted sleeve which I employ.

Referring to the parts, 1 indicates a talking-machine horn of ordinary construction, having the usual conical shape, being formed of a single sheet of metal the edges of which are interlocked to provide a seam 2. This seam is preferably raised upon the interior face of the horn, the outer surface of the horn presenting a smooth appearance with the exception of a slight groove along the seam.

3 is a metal elbow having the usual right-angled extension for the attachment of a sound-box, the other end thereof being cone-shaped, as indicated at 4, and adapted to receive the small end of the horn. The elbow 3 is provided with internal screw-threads at 6, and 7 is a cone-shaped sleeve adapted to be screwed into the cone-shaped portion 4 of the elbow, being provided with screw-threads 8 upon its reduced end to engage the screw-

threads 6. The sleeve 7 is provided with a plurality of slots 9, extending from the screw-threaded portion through the enlarged end of the same, the portions of the sleeve divided by the slots 9 being resilient and adapted to yieldingly embrace the inner face of the horn. One of the slots in the sleeve is also provided for an additional purpose. When the parts are assembled as shown in Fig. 2, the seam of the horn takes a position in one of the slots, as indicated at *a*. Owing to the formation of the slots in the sleeve, the portions of the sleeve between the slots will lie in close contact with the inner surface of the horn, the resiliency of these portions compensating for any angular difference between the sleeve and the horn.

The operation of assembling the parts should be understood from the foregoing description when taken with the drawings. The slotted sleeve is first inserted into the large end of the horn and forced into place in the small end, the seam of the horn being made to take a position in one of the slots. The sleeve after insertion is firmly held in place, owing to the resiliency of the portions between the slots, and the screw-threaded reduced end thereof will project from the end of the horn. The elbow is then screwed into place, the walls of the horn being rigidly clamped between the sleeve 7 and the cone-shaped portion of the elbow.

It is apparent that instead of a plurality of slots in the sleeve 7 one slot only may be provided therein, the sleeve being thereby rendered resilient and capable of compression.

From the foregoing the novelty, utility, and advantages of my invention will be apparent.

Having described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. An elbow-fastening for talking-machine horns, comprising an elbow having a cone-shaped portion and provided with internal screw-threads, and a slotted, cone-shaped sleeve having a screw-threaded portion to engage the internal screw-threads of the elbow, substantially as described.

2. In a fastening for talking-machine horns,

the combination with a horn having a projecting seam upon its inner face, of an elbow having a cone-shaped portion to receive the end of the horn, and a cone-shaped sleeve
5 adapted to be inserted within the horn and having a projecting end adapted to engage the elbow, the sleeve being provided with a slot to receive the seam of the horn, substantially as described.

10 3. In a fastening for talking-machine horns, the combination with a conical-shaped horn, of an elbow having a cone-shaped portion to receive the end of the horn, and a sleeve

adapted to be inserted within the horn having outwardly-extending resilient portions 15 to press upon the interior of the horn and having a screw-threaded reduced end to engage the elbow, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of 20 two witnesses.

HARRY C. KESTEL.

Witnesses:

CARL H. KELLER,
I. D. CARTWRIGHT.