

J. VEIT.
SOUND BOX FOR TALKING MACHINES.
APPLICATION FILED SEPT. 26, 1910.

979,231.

Patented Dec. 20, 1910.

Fig. 1.

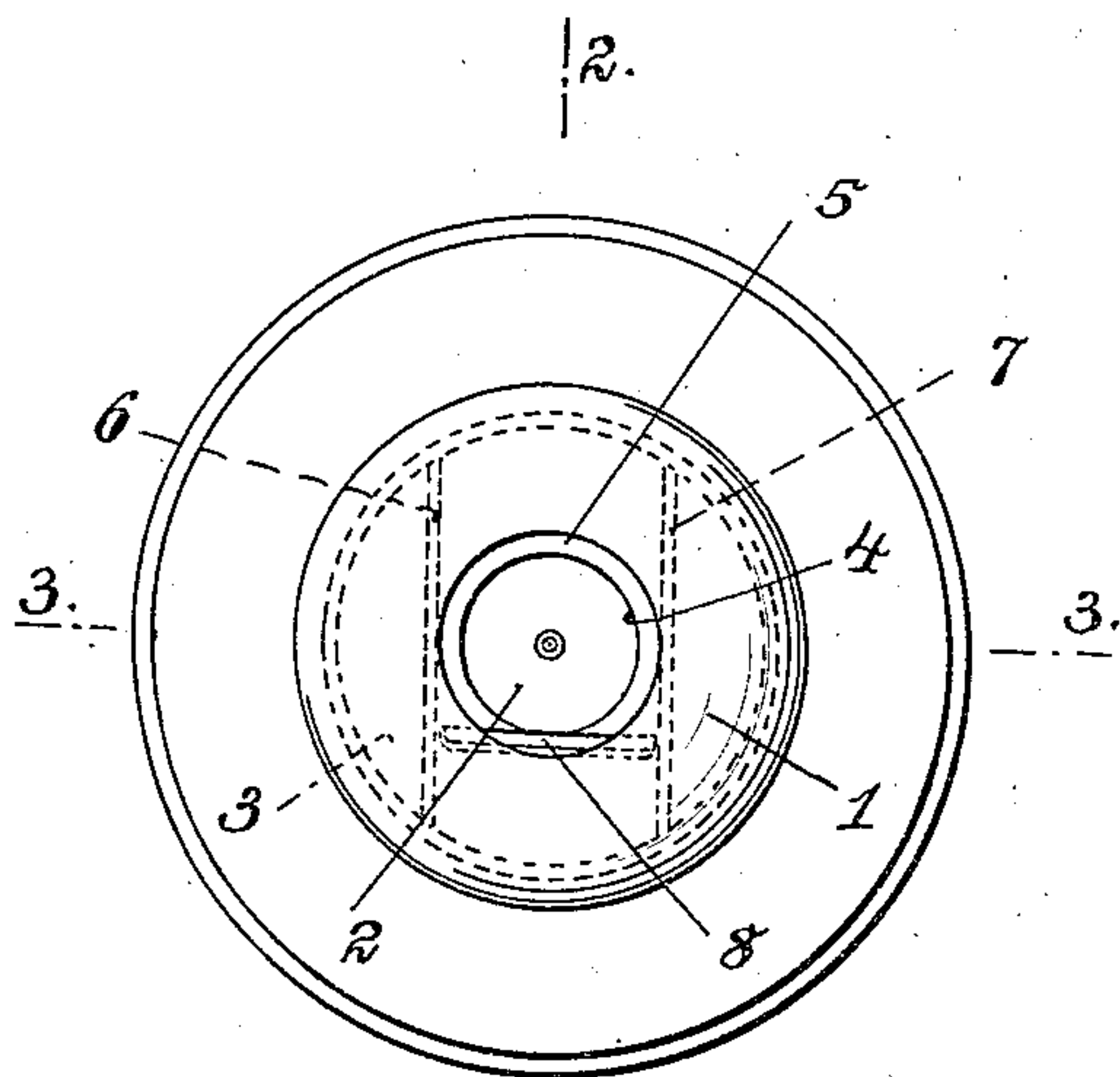


Fig. 2.

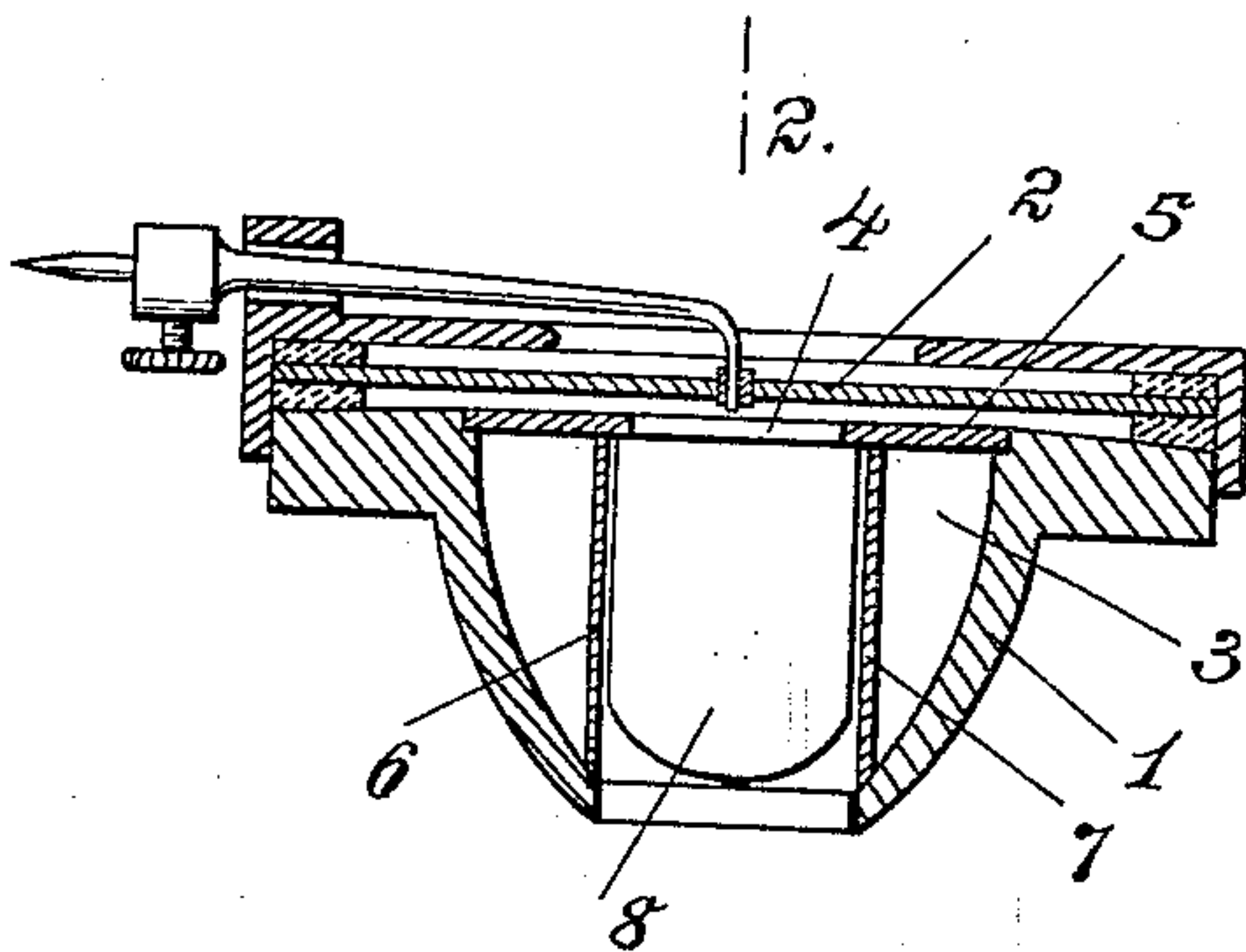
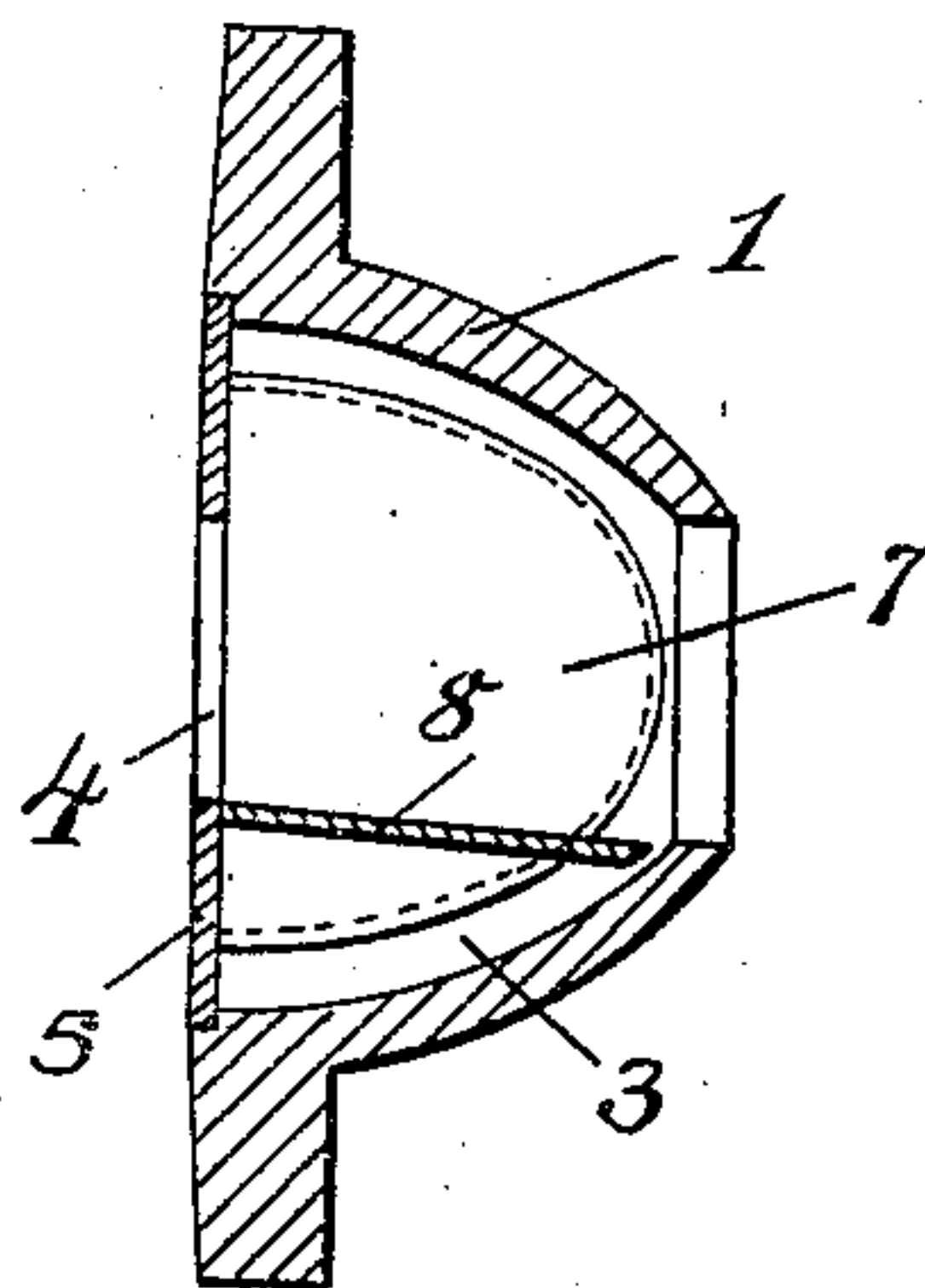


Fig. 3.

Witnesses
W. (Max) Durrall
Byron B. Collings.

Inventor:
Johann Veit
by Wilkinson, Fisher and
Wetherspoon, Attys.
by S. T. Fisher

UNITED STATES PATENT OFFICE.

JOHANN VEIT, OF HANAU, GERMANY.

SOUND-BOX FOR TALKING-MACHINES.

979,231.

Specification of Letters Patent.

Patented Dec. 20, 1910.

Application filed September 26, 1910. Serial No. 583,931.

To all whom it may concern:

Be it known that I, JOHANN VEIT, joiner, a subject of the German Emperor, and resident of Hanau-on-the-Main, Germany, with the post-office address Hospitalstrasse No. 25, have invented new and useful Improvements in Sound-Boxes for Talking-Machines, of which the following is a specification.

This invention has for its object to provide a sound-box for a talking machine which shall in shape resemble, as closely as possible, that of the human mouth. This end is attained by shutting off from the membrane the hollow portion of the sound-box (that is to say the portion which is connected with the horn) by a thin apertured wooden diaphragm and providing the hollow cavity with three thin strips of wood whereof a pair are fixed to the diaphragm as well as to the walls of the cavity, while the third which occupies a position between the other two, is in the form of a tongue and being attached to the diaphragm only and not to the walls of the cavity. In this construction the two fixed strips correspond to the human cheeks, the flexible strip corresponds to the tongue, and the remaining hollow space at either side corresponds to the gums. I have ascertained by experiment that surprising results, in respect of fullness and purity of tone, can be obtained by an arrangement of this kind and that the usual objectionable jarring noise emitted by talking machines is entirely done away with.

In the accompanying drawing which serves to illustrate the invention, Figure 1 is a front elevation of the improved sound-

box of my invention, and Figs. 2 and 3 sections on the lines 2—2 and 3—3 of Fig. 1 respectively.

In the drawing 1 is that portion of the wooden sound-box which is applied in front of the membrane 2 and which communicates with the sounding horn. The portion 1 is hollowed out in such manner as to form a cavity 3 which is closed on the side adjacent to the membrane by a wooden diaphragm 5 provided with an aperture 4.

6 and 7 are the two parallel thin strips which are secured, preferably by glue or other adhesive, to the diaphragm 5 and also similarly attached to the wall of the cavity 3, and 8 is the tongue or strip which is secured in the same way at one end to the diaphragm and free at the sides and other end so that it may have a spring-like action.

Now what I claim and desire to secure by Letters Patent is the following:

A wooden sounding box for a talking machine consisting of a hollowed out portion provided with an apertured diaphragm, a pair of parallel strips attached both to the diaphragm and to the walls of the cavity, and a tongue attached only to the diaphragm so that it may have a spring-like action, substantially as described.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two witnesses, this fourteenth day of September 1910.

JOHANN VEIT.

Witnesses:

JOHANN HOFMANN,
JEAN GRUND.