

E. DE LA RUE.
SOUND BOX FOR GRAMOPHONES.
APPLICATION FILED JULY 25, 1912.

1,051,489.

Patented Jan. 28, 1913.

Fig. 1.

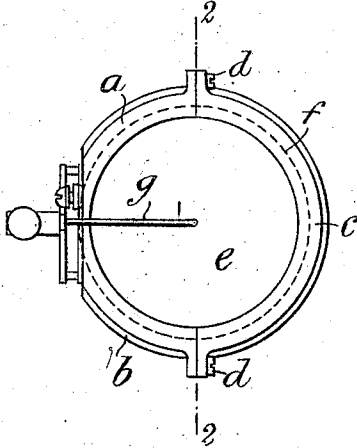
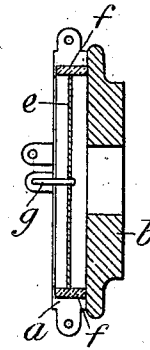


Fig. 2.



Witnesses

E. B. Langdon
M. E. Burrell

Inventor

Ernest de la Rue,
By his Attorneys
Baldwin Wright

UNITED STATES PATENT OFFICE.

ERNEST DE LA RUE, OF LONDON, ENGLAND.

SOUND-BOX FOR GRAMOPHONES.

1,051,489.

Specification of Letters Patent.

Patented Jan. 28, 1913.

Application filed July 25, 1912. Serial No. 711,405.

To all whom it may concern:

Be it known that I, ERNEST DE LA RUE, a subject of the King of Great Britain, residing at 26 Belgrave Square, London, England, have invented new and useful Improvements in Sound-Boxes for Gramophones, of which the following is a specification.

This invention relates to what are known as "edge mounted" diaphragms, that is to say, diaphragms which are not nipped between two surfaces but are secured by their edges being pressed against elastic surfaces. With some diaphragms and especially mica diaphragms great difficulty is experienced in getting the diaphragm into place without either cockling or injuring it.

According to this invention the elastic surface is carried by the semi-circular halves of a split ring and after the diaphragm has been put into place the ends of the halves of the split ring are drawn together by screws.

The drawings illustrate an apparatus made in accordance with this invention.

Figure 1 is a plan and Fig. 2 a section on the line 2—2 Fig. 1.

a is one half of a split ring made in one with or connected to the base *b* of the sound box. *c* is the other half of the split ring detachably connected to the other half *a* by screws *d d*.

The diaphragm *e* is held in position by an elastic ring *f* which is itself secured to the sound box by means of the two halves *a* and *c* of the split ring. A stylus bar *g* is attached to the diaphragm in the usual manner.

What I claim is:—

In a sound box for talking machines, the combination with the base, of a split ring supported by the base, an elastic ring within the split ring, means for detachably connecting one half of the split ring to the other half, and a diaphragm supported at its edge or periphery only by engagement with the elastic ring and being firmly held in position therein by the split ring.

ERNEST DE LA RUE.

Witnesses:

ELMER C. VITT,
CECIL HARDING.