July 7, 1931. T. KAHN 1,813,166

TALKING MACHINE RECORDER

Filed Nov. 30, 1929

Fig.1.

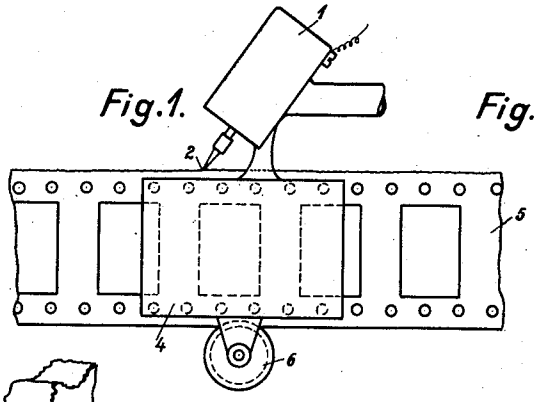


Fig.2.

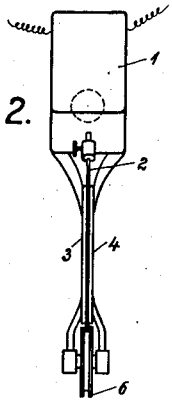


Fig.5.

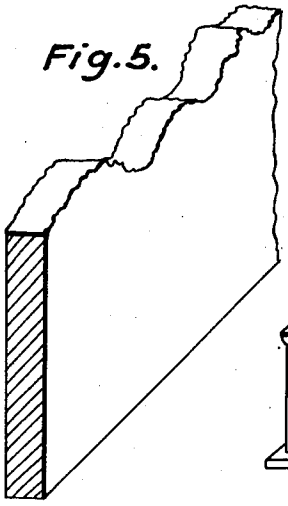


Fig.3.

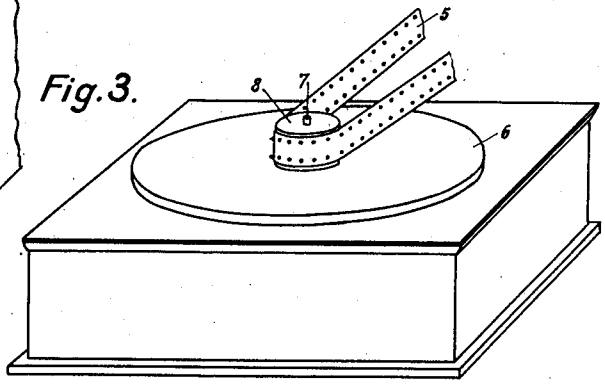
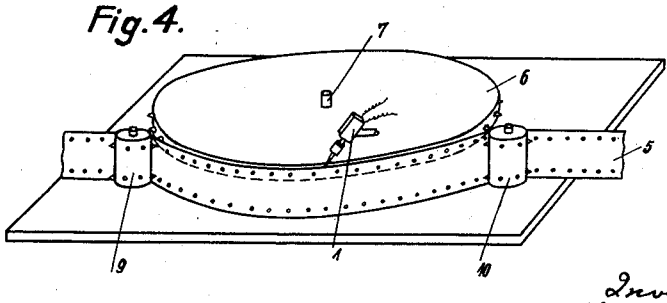


Fig.4.



Inventor
Theodor Kahn,
By Knight Bros.
Attorneys.

Patented July 7, 1931 1,813,166

UNITED STATES PATENT OFFICE

THEODOR KAHN, OF BERLIN-CHARLOTTENBURG, GERMANY

TALKING MACHINE RECORDER

Application filed November 30, 1929, Serial No. 410,893, and in Germany November 27, 1928.

My invention relates to talking-machine recorders and more particularly to recorders for cooperating with film records having records machined in one, or both, edges.

It is an object of my invention to provide an improved recorder of this type which is readily fitted to any existing talking machine.

To this end I mount the recorder on a holder which may be fitted to a talking machine and supports a sound box with means for engaging a film at the edge which bears a phonograph record, and means for engaging the opposite or plain edge of the film.

I may project the machined edge of the record on a sensitive cell.

I may also combine with the recording means a cutter for machining records in the edge or edges of the film, and provide means for alternately operating the two mechanisms. Or I may combine the two mechanisms, for instance, by electric means, so that the record of a finished film may be machined into the edge, or edges, of any desired number of films for copying it.

Means combined with the record plate or its shaft may be provided for feeding the film.

In the accompanying drawings apparatus embodying my invention are illustrated diagrammatically by way of example.

In the drawings

Fig. 1 is an elevation, and

Fig. 2 is an end elevation, of a receiver,

Figs. 3 and 4 are perspective illustrations of feeding means combined with the record plate drive of a talking machine.

Fig. 5 is a perspective illustration, drawn to a larger scale and showing the record on the edge of a film.

Referring now to the drawings, 1 is an electric sound box of any suitable type, 2 is its stylus, 3 and 4 are parallel plates secured to the sound box, 5 is the film, and 6 is a roller supported on the plates 3, 4 and adapted to hold the lower plain edge of the film 5 while the stylus 2 engages its upper edge with the record.

Referring now to Fig. 3, 6 is the record plate of a talking machine, 7 is its shaft, and 8 is a feed roller on the shaft on which the film 5 is carried.

Referring to Fig. 4, the roller 8 is dispensed with, and the edge of the record plate 6 is provided with the usual feeding teeth for the film 5. 9, 10 are guiding rollers which hold the film engaged with the edge of the record plate 6.

The sound box, with the means for guiding and supporting the film, may be fitted to any normal talking machine.

I claim:

A talking-machine recorder adapted to be fitted to a talking machine and comprising a holder adapted to be fitted to a talking machine, a sound box on said holder, means on said sound box adapted to engage a film at its edge, and means on said holder adapted to engage the opposite edge of said film.

In testimony whereof I affix my signature.

THEODOR KAHN.