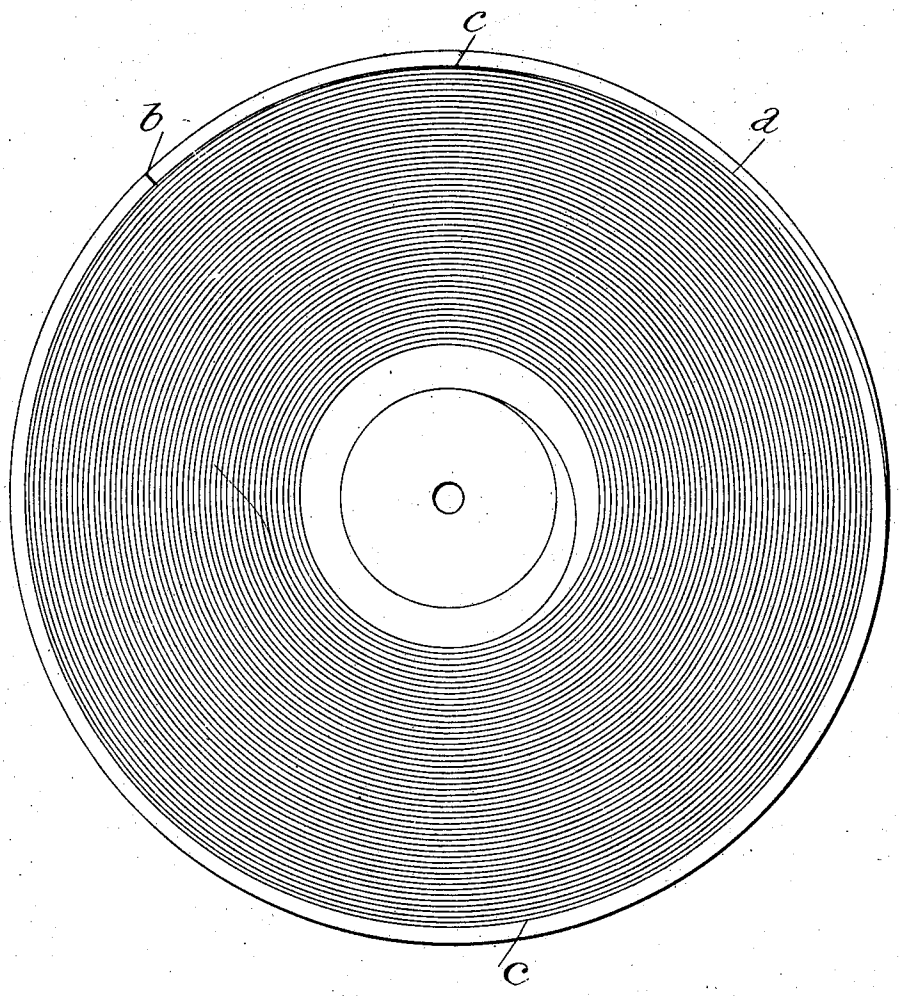
No. 761,846. PATENTED JUNE 7, 1904.

O. MESSTER.

TABLET FOR SOUND REPRODUCING MACHINES.

APPLICATION FILED NOV. 3, 1903.

NO MODEL.



Witnesses.
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No 761,846. Patented June 7, 1904.

UNITED STATES PATENT OFFICE.

OSKAR MESSTER, OF BERLIN, GERMANY.

TABLET FOR SOUND-REPRODUCING MACHINES.

SPECIFICATION forming part of Letters Patent No. 761,846, dated June 7, 1904.

Application filed November 3, 1903. Serial No. 179,709. (No model.)

To all whom it may concern:

Be it known that I, OSKAR MESSTER, engineer, a subject of the King of Prussia, Emperor of Germany, residing at No. 151 Friedrichstrasse, Berlin, Germany, have invented certain new and useful Improvements in Tablets for Sound-Reproducing Machines, of which the following is a specification.

Gramophone-plates are already known according to which the phonic line runs out in a branch terminating at the periphery of the plate and containing no phonic impressions, the purpose being to insure the proper introduction of the reproducer point or pin at the commencement of the phonic line. Furthermore, this branch, which joins the phonic line at its termination, has already been provided with a starting-mark or the like in order, for example, in displaying talking photographs to enable exact adjustment of the gramophone plate and film, or, for instance, in the case of the exhibition of a gramophone with several synchronously-rotating plates and a corresponding number of reproducers to commence in exactly the same manner. With these well-known gramophone-plates, however, there is the disadvantage that although the pin or point may be set exactly upon the branch possessing no phonic impressions disturbances nevertheless occur, owing to the pin at the junction of the branch line and the phonic line instead of entering at the commencement of the latter frequently springing over to the second or third line from the periphery of the plate, whereby naturally the commencement of the piece of music or speech or the like remains wanting and the readjustment of the pin is rendered necessary. These inconveniences are overcome by my invention, as illustrated in the accompanying drawing, in which the figure shows a plan of the new gramophone-plate.

As the drawing shows, the plate is provided at one side with the branch line *a* for introduction of the pin and on the other side with a commencing-mark *b* on the spiral or phonic line *c*. It is thus only necessary after inserting the point in the branch to slowly rotate the plate until the pin reaches the starting-mark *b*, whereupon the plate is allowed to start its proper rotation. In this manner guarantee is afforded that the pin properly enters the first line and that, for instance, in the already-mentioned case the phonic lines of all plates commence to coöperate in exactly the same manner with the corresponding reproducer-pins.

The new device is naturally also applicable to phonograph-cylinders. The gramophone-plate has here merely been recited as an example.

It will further be understood that the commencing-mark *b* may be replaced by limiting the partial rotation of the plate, which is necessary prior to actually starting the same by means of a stop or other suitable device.

The method here described is, as already remarked, of especial service in exhibiting talking photographs, for which it is important to be able to adjust the starting-mark of the film in exact correspondence with that of the gramophone-plate.

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

A gramophone-plate or phonograph-cylinder, having the phonic line *c*, a starting-mark *b*, on the phonic line, and a branch line *a* curving inward from the outward edge of the plate and entering the phonic line at or behind the starting-mark, whereby the proper introduction of the reproducer-pin in the phonic line is insured, substantially as described.

In witness whereof I have hereunto signed my name, this 19th day of October, 1903, in the presence of two subscribing witnesses.

OSKAR MESSTER.

Witnesses:

HENRY HASPER,

WOLDEMAR HAUPT.