

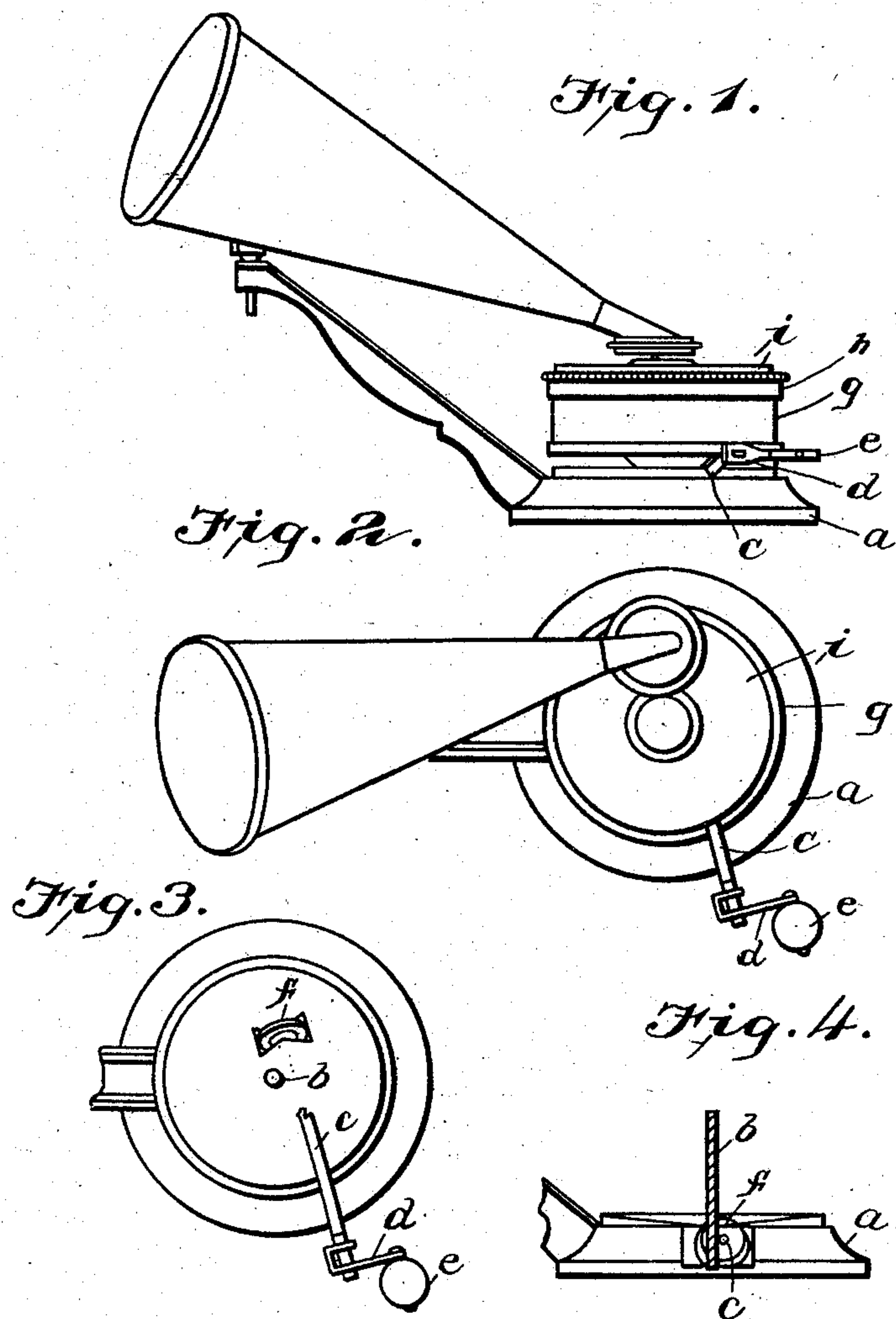
No. 757,322.

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T. LHOTA.  
PHONOGRAPH.

APPLICATION FILED JULY 1, 1903.

NO MODEL.



Witnesses

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# UNITED STATES PATENT OFFICE.

THEODOR LHOTA, OF VIENNA, AUSTRIA-HUNGARY.

## PHONOGRAPH.

SPECIFICATION forming part of Letters Patent No. 757,322, dated April 12, 1904.

Application filed July 1, 1903. Serial No. 163,975. (No model.)

*To all whom it may concern:*

Be it known that I, THEODOR LHOTA, a subject of the Emperor of Austria-Hungary, residing at Vienna, Austria-Hungary, have invented certain new and useful Improvements in Phonographs, more especially toy phonographs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improvement in toy phonographs.

The improvement consists in the rotary disk that supports the phonogram-plate being made in the form of a hollow body—for example, a box or drum. This is of advantage in connection with the sounding effect. The cover of the hollow body may be made removable, so that it may also be used for storing the phonogram-plates or in the case of toy phonographs as a receptacle for articles of confectionery or the like. The hollow body may be rotated in the manner hitherto employed in connection with the rotary disks of small phonographs—viz., by means of a crank-shaft which is fixed to the vertical shaft. It is desirable that the crank-shaft should be mounted horizontally in the arrangement, as shown by way of example in the accompanying drawings of the phonograph.

Figure 1 is a side view of the phonograph; Fig. 2, a plan of the same; Fig. 3, a plan of the base of the phonograph; Fig. 4, a vertical section through the same.

The vertical spindle *b* is fixed in the middle of the base *a*, Figs. 3 and 4. The crank-shaft *c* is mounted horizontally or somewhat obliquely to or in the base of the phonograph and is actuated by the crank-arm *d*, fixed thereon and provided with a rotary handle *e*. At the other end of the crank-shaft is the disk *f*. On the spindle *b* the box *g* is placed and has a hole in the middle of the bottom and a central tube, by means of which the necessary guiding of the rotary box is insured. The cover *h* of this box, on which the phonogram-plates are laid, has an elevation in the middle which enters a central hole of corresponding

size in the plates, and thus keeps them in position. The box *g* is arched somewhat at the bottom. The box is rotated by means of the disk *f*, which is composed of india-rubber or the like, and when the crank-shaft is rotated rotates the box around the spindle *b* through friction. The plate *i* rotates with the box, and in consequence of this the recording-pin slides uniformly over the spirally-arranged sound-grooves without meeting with any resistance.

It will be seen that the hollow body *g*, with its cover *h*, can be most conveniently used as a receptacle, besides which it acts in the simplest manner as a rotary disk, which, however, would not be the case if the rotary crank-shaft were arranged vertically on the cover.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. As an improved article of manufacture, a support for a phonograph-plate comprising a rotatable hollow body in the form of a box or drum and a removable cover for said body on which the plate is designed to rest.

2. As an improved article of manufacture a support for a phonograph-plate, comprising a rotary hollow drum, arched at its lower end, and a removable cover for said drum, as set forth.

3. As an improved article of manufacture a support for a phonograph-plate, comprising a rotary hollow drum arched at the bottom, and a removable cover for said drum having means to enter the holes in the plates and keep them in position within the drum.

4. The combination with the foot-piece and a vertical spindle mounted therein, of a hollow drum on said spindle, a horizontal crank-shaft, means for actuating the same, and means on said crank-shaft and movable therewith for frictionally revolving the said drum about its spindle, as set forth.

In witness whereof I have hereunto set my hand in presence of two witnesses.

THEODOR LHOTA.

Witnesses:

ALVESTO S. HOGUE,  
AUGUST FUGGER.