

E. ROOS.
GATE FOR GRAPHOPHONES.
APPLICATION FILED JULY 20, 1911.

1,042,275.

Patented Oct. 22, 1912.

Fig. 1.

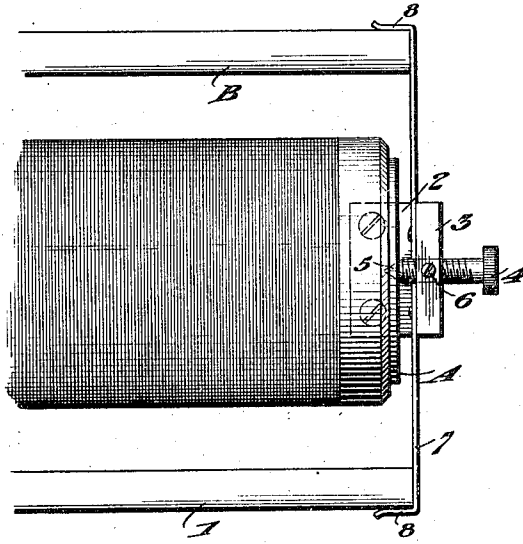
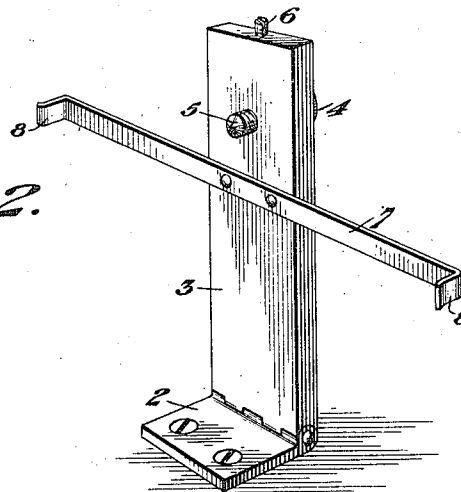


Fig. 2.



Witnesses

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EMIL ROOS, OF MANISTEE, MICHIGAN.

GATE FOR GRAPHOPHONES.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EMIL ROOS, a citizen of the United States, residing at Manistee, in county of Manistee and State of Michigan, have invented certain new and useful Improvements in Gates for Graphophones, of which the following is a specification.

My invention relates to an improvement in gates or supports for supporting an end of the cylinder of a graphophone, and for preventing the disengagement or accidental removal of the record from the cylinder roll.

The invention consists in other novel features of construction and combinations of parts which will be hereinafter fully described and pointed out in the claim.

In the accompanying drawings:—Figure 1 is a top plan view, showing the invention applied to a machine, and Fig. 2 is a perspective view of the invention.

A, represents the cylinder roll, and B is the rod upon which a carriage (not shown) slides. Bar 1 is located opposite to the rod B, and on the opposite side of the cylinder A for forming a support for the carriage during its operation.

The gate comprises a base 2, which is secured to the machine bottom; and pivotally connected to the base 2 is a plate 3. A screw-threaded pin 4 is mounted upon the plate 3 and is provided with a tapering end 5, which engages the end of the cylinder forming a pivot or journal upon which the cylinder will revolve. A screw 6 vertically mounted upon the plate 3 engages the screw-pin 4 for holding it in its adjusted position. A spring steel bar 7 is connected to the plate 3, and the ends of the bar extend at right angles to the main portion, the right-angular ends 8 of the bar engaging the rod B and the bar 1 for holding the plate 3 in a vertical position.

This form of gate will support the free end of the cylinder roll, and insure its running true. The bar 7 will also form a means to prevent any accidental removal of the record roll, and when it is desired to remove the record from the cylinder, the bar is disengaged from the rod B and bar 1, when the plate 3 can be swung downward so that it will be out of the path of the record as it is being removed from or inserted upon the cylinder.

From the foregoing, it will be seen that the gate can be readily connected to or disengaged from the form or support which carries the carriage during its operation, and that the gate can be fastened to any suitable part of the machine where it will perform the best results.

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

The combination with a carriage frame and cylinder, of a base, a plate pivotally connected to the base adapted to be swung to a vertical position, a screw threaded pivot pin adjustably received within a correspondingly screw threaded orifice in the plate, a set screw in position to engage the pivot pin, a resilient bar connected to the plate and extending horizontally thereto, means connecting the bar to the plate at the center of the bar and a spring catch on each end of the bar in position to engage with the carriage frame when the gate is swung to an operative position.

In testimony whereof I affix my signature, in the presence of two witnesses.

EMIL ROOS.

Witnesses:

CHARLES N. BELCHER,
BERTHA A. JOHANNESSEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."