

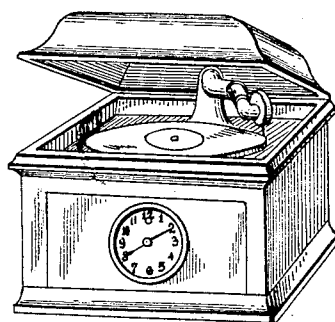
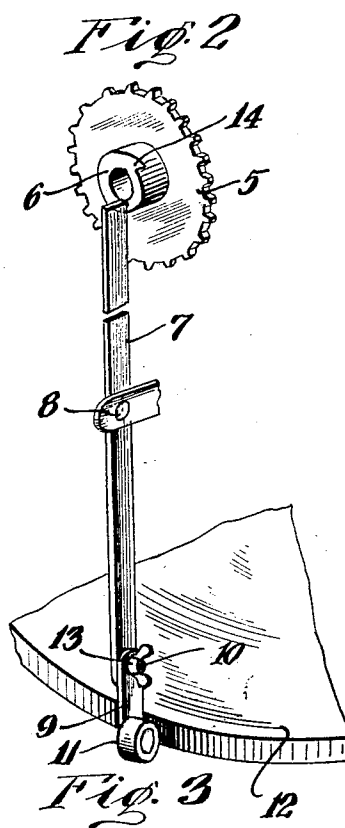
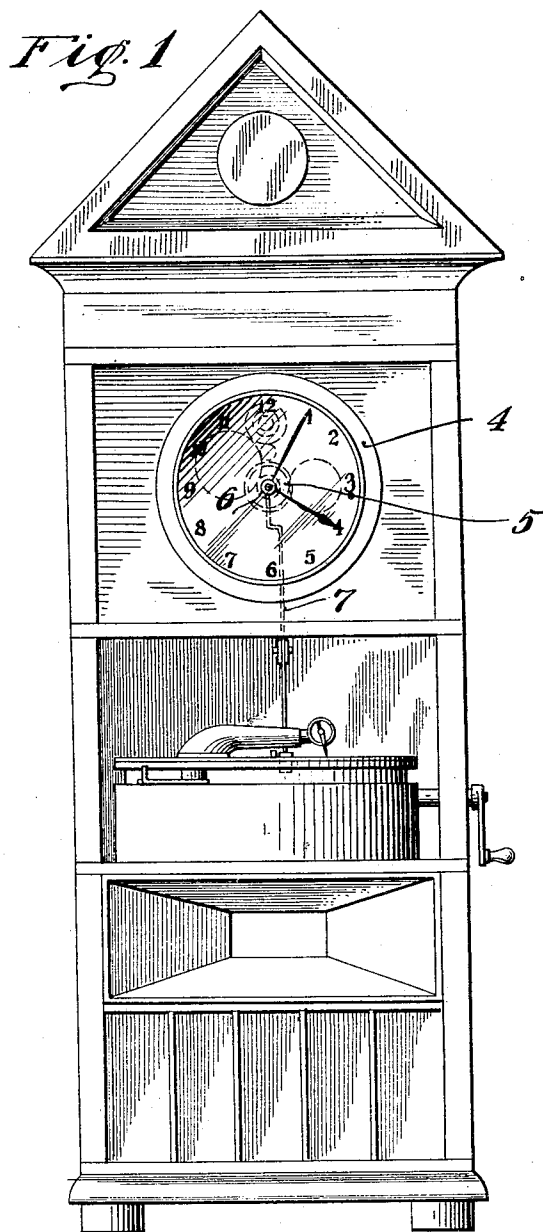
Nov. 18, 1930.

E. BAHR

1,782,378

ALARM DEVICE

Filed Oct. 18, 1927



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UNITED STATES PATENT OFFICE

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ALARM DEVICE

Application filed October 18, 1927. Serial No. 226,876.

This invention relates to alarming devices and more particularly to such devices as used in connection with clocks to awaken a sleeper at a specified hour.

The usual type of alarm clocks are equipped with bells or loud sounding gongs, which shock the sleeper considerably when they operate.

It is an object of this invention to provide an alarming device which will awaken the sleeper but will do so in a soothing and gentle manner, so that the nerves and mental condition of the sleeper will not be shocked.

This and other like objects are accomplished by the novel construction, combination and arrangement of parts, hereinafter described and shown in the accompanying drawing, forming part of this disclosure, and in which:—

Figure 1 is an elevational view of an alarm clock equipped with a phonograph.

Figure 2 is a perspective view showing the details of the device.

Figure 3 is a perspective view showing how the invention may be applied to act on another type of phonograph.

Referring to the drawings, Figure 1 shows a clock 4 equipped with a gear wheel 5, said wheel having integrally connected therewith, a cam 6, which cam engages the lever 7 pivoted to a support at 8 and pivoted to a further link 9 at 10, the link 9 having fixed thereto a friction roller 11, which serves as a brake to retard the movement of the record holding plate 12 of a phonograph. The link 9 may be clamped tightly to the lever 7 by means of the wing nut 13, so that the lower arm of the lever 7 and the link 9 comprise substantially a unitary structure.

In operation, the phonograph is wound and a record is placed thereon in a position to start and the clock 4 is set to the hour, at which the sleeper desires to be awakened.

The movement of the phonograph record is prevented by the brake 11 and when the desired hour for awakening has been reached, the lever 7 slides over the cam 6 until it reaches the depression 14 in the cam, which releases the brake 11 from the record holding plate 12, thus permitting the plate 12 to rotate

and the phonograph record to be played. At the sound of this music, the sleeper will be awakened agreeably, without shock.

This invention herein presented, obviously provides a very desirable means for awakening persons who may be suffering from nervous disorder and who may be seriously harmed by sudden shocks.

From the foregoing, it will be seen that a simple device for this purpose has been disclosed in the preferred form of its embodiment, but it is not desired to restrict the details to the exact construction, it being obvious that changes, not involving the exercise of invention, may be made without conflict- ing with the scope of the appended claim.

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

A releasing mechanism for a phonograph record by a clock at a predetermined time, comprising a friction roller normally serving as a brake to retard the movement of the record, a link to which said roller is attached, a lever, a wing nut for clamping said link, normally to said lever, allowing upon its release the normal playing of said record, a cam connected with the works of said clock having a shoulder formed therewith, adapted to be engaged by the upper end of said lever at a certain predetermined time, and a pivot for said lever intermediate its ends allowing a swinging of the lever thereabout to release the brake roller from said record upon engagement of its upper end with the cam shoulder to gradually wake a sleeper by the playing of said record.

In witness whereof I have affixed my signature.

EMIL BAHR.