W. J. AUGUSTIN.

BRAKE OPERATING MEANS FOR PHONOGRAPHS.

APPLICATION FILED SEPT. 16, 1914.

1,151,330. Patented Aug. 24, 1915.

Fig. 1.

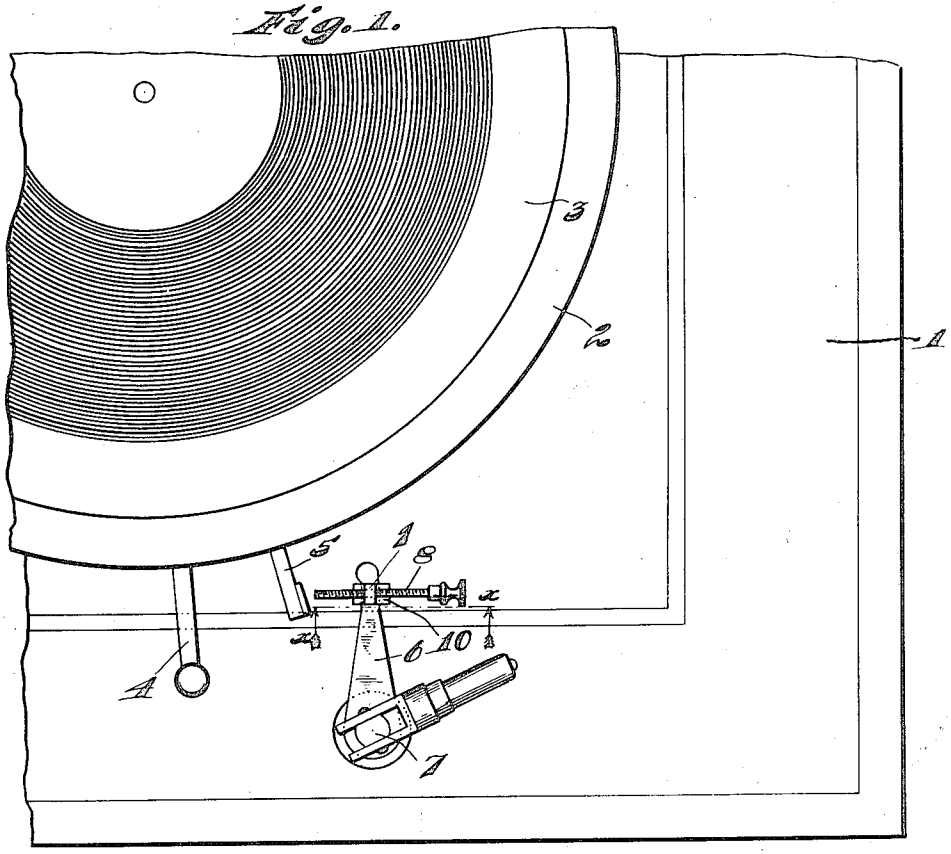
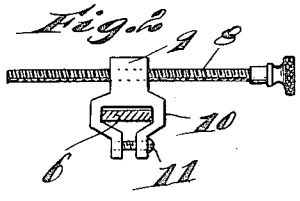


Fig. 2.



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UNITED STATES PATENT OFFICE.

WALTER JOHN AUGUSTIN, OF FOND DU LAC, WISCONSIN.

BRAKE-OPERATING MEANS FOR PHONOGRAPHS.

1,151,330. Specification of Letters Patent. Patented Aug. 24, 1915.

Application filed September 16, 1914. Serial No. 861,977.

To all whom it may concern:

Be it known that I, WALTER J. AUGUSTIN, a citizen of the United States, and a resident of the city of Fond du Lac, county of Fond du Lac, and State of Wisconsin, have invented certain new and useful Improvements in Brake-Operating Means for Phonographs, of which the following is a specification.

My invention relates to phonographs, and more specifically to mechanism for actuating the brake member of a phonograph.

The object of my invention is the production of a mechanism of the character mentioned through the medium of which the brake member of a phonograph may be readily and easily actuated so as to effect stopping of the sound-reproducing mechanism of the phonograph immediately upon the completion of the rendition of a record.

A further object is the production of a device as mentioned which will be of simple construction and efficient in use.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing forming a part of this specification, and in which,

Figure 1 is a top plan view of a fragment of a conventional phonograph equipped with mechanism embodying my invention, and Fig. 2 is an enlarged section taken on line x—x of Fig. 1.

The preferred form of construction as illustrated in the drawing is applied to a phonograph of conventional construction comprising as shown a casing 1 wherein is mounted the actuating mechanism of the machine, a rotatable record support 2 being provided at the upper side of the casing 1 for supporting the record 3.

A starting lever 4 is shown through the medium of which the sound-reproducing mechanism is released for operation, as will be understood by those skilled in the art.

Arranged adjacent the starting lever 4 is the brake member 5 whereby the sound-reproducing mechanism is brought to a stop after the rendition of a record. The brake member, in the operation of the machine, at the present time, is automatically actuated by means of an arm 6 which is fixed to an oscillatory post 7, the latter being directly connected with the sound box or stylus of the machine so that as the sound box or stylus traverses the record, the free end of the arm 6 is gradually moved toward the member 5, contacting therewith so as to cause stopping of the machine when the needle of the sound box or stylus has reached a position in which the same engages in the innermost convolution of the groove of the record.

All records are not of the same length, so that in the case of a short record or one which does not occupy the inner portion of the groove or say the last ten or twelve convolutions thereof, the sound-reproducing mechanism continues to operate for a considerable time until the arm 6 contacts with the member 5 which does not occur until the needle reaches the innermost convolution of the groove, as above mentioned. The continuation of operation of the sound-reproducing mechanism after the selection has been rendered, results as is known, in a very piercing, grating and disagreeable sound, and it is to obviate the production of this disagreeable sound after the completion of a record that this invention is designed. With this object in view, an attachment is employed for connection with the actuating arm 6. This attachment comprises a screw 8 in threaded connection with a boss 9 formed at the upper side of a band or strap 10 which embraces said arm adjacent the outer end thereof, the member 10 being clamped to said arm by means of a screw 11. The screw 8 is so positioned that one end thereof is adapted to contact with the outer end of brake member 5. Through the threaded connection of said screw with the boss 9, it is clear that the former may be adjusted as desired to accommodate records of various lengths and in the event of the screw 8 not having been previously set, if it is desired to immediately stop the sound-reproducing mechanism, after the rendition of a record, the screw 8 may be manually adjusted in order to cause the same to engage the brake member and thus bring the machine to an immediate stop. The improvement is in the nature of an attachment, as above mentioned, permitting of the same being readily and easily applied to all machines of appropriate design either at the factory or after the machine has already been put to use.

While I have illustrated and described the

preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. The combination in a phonograph of a rotating member; a brake member for cooperation with said rotating member; an actuating member adapted for automatic movement into engagement with said brake to actuate the same, a strap embracing said actuating member; a screw for releasably clamping said strap to said actuating member; and a screw in threaded connection with said strap for engagement with said brake member, said screw being manually adjustable toward and from said brake member, substantially as described.

2. The combination with a phonograph of a rotating member; a brake member for cooperation with said rotating member; an actuating member adapted for automatic movement into engagement with said brake to actuate the same, a strap embracing said actuating member; a screw for releasably clamping said strap to said actuating member; a lug provided on and projecting from said strap; and a screw in threaded connection with said lug for engagement with said brake member, said screw being manually adjustable toward and from said brake member, substantially as described.

3. The combination in a phonograph of a rotating member; a brake member for cooperation with said rotating member; an actuating member adapted for automatic movement into engagement with said brake member to actuate the same, a strap having a substantially rectangular opening therein for snugly embracing said actuating member; a screw connecting the ends of said strap for releasably clamping the same to said actuating member; an enlargement at the upper side of said strap; and a screw threaded in said enlargement and adapted for engagement with said brake member, said screw being manually adjustable toward and from said brake member, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER JOHN AUGUSTIN.

Witnesses:
CORA ANO,
RAYMOND C. FAIRBANK.