

W. S. McNAMARA.
ATTACHMENT FOR TALKING MACHINES.
APPLICATION FILED OCT. 6, 1909.

954,455.

Patented Apr. 12, 1910.

2 SHEETS—SHEET 1.

FIG. 1

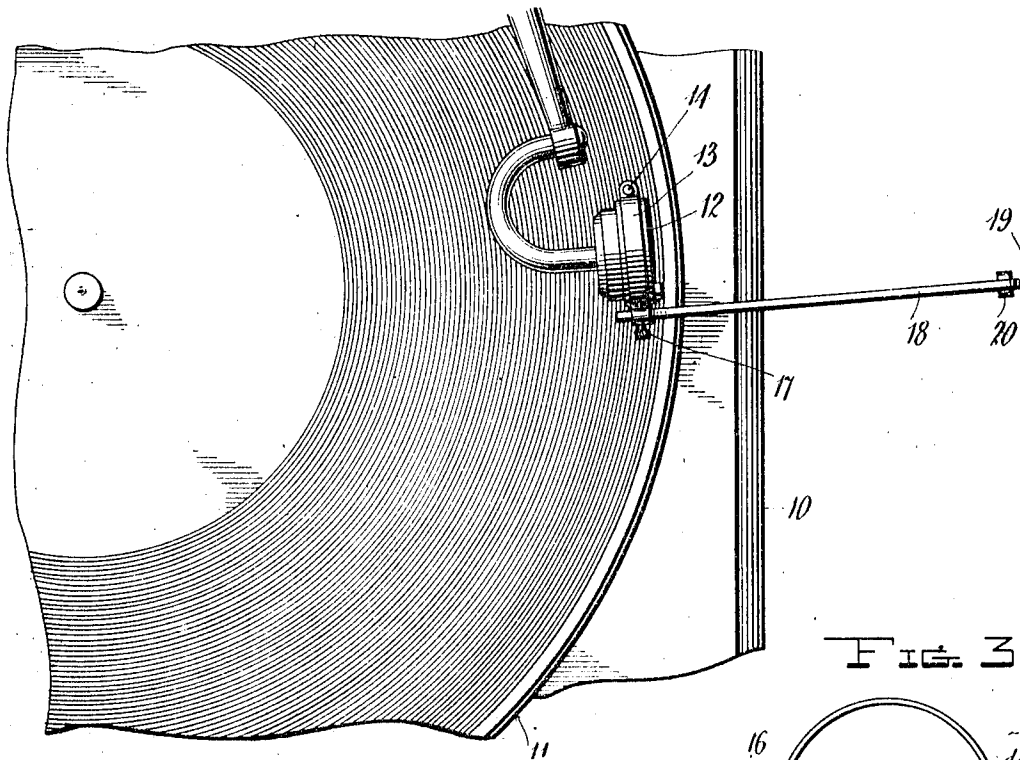


FIG. 3

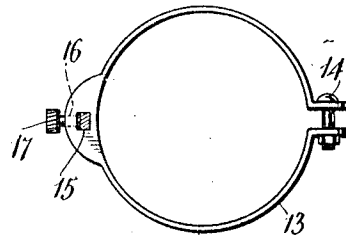
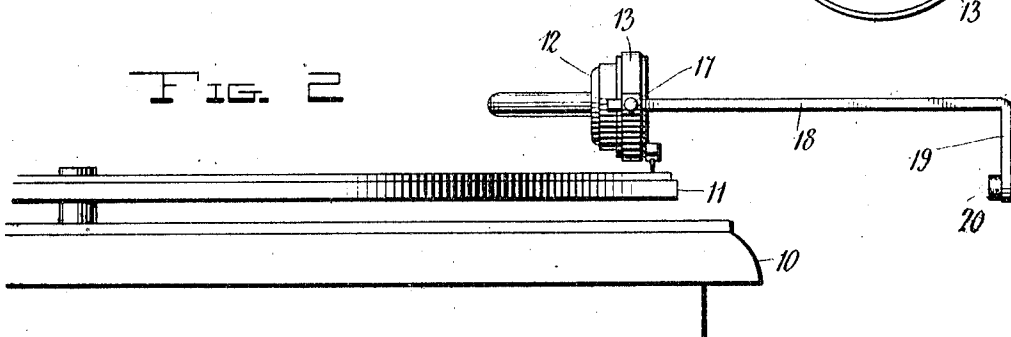


FIG. 2



Inventor

William S. McNamara

Witnesses

J. P. [Signature]
A. N. [Signature]

By

[Signature]

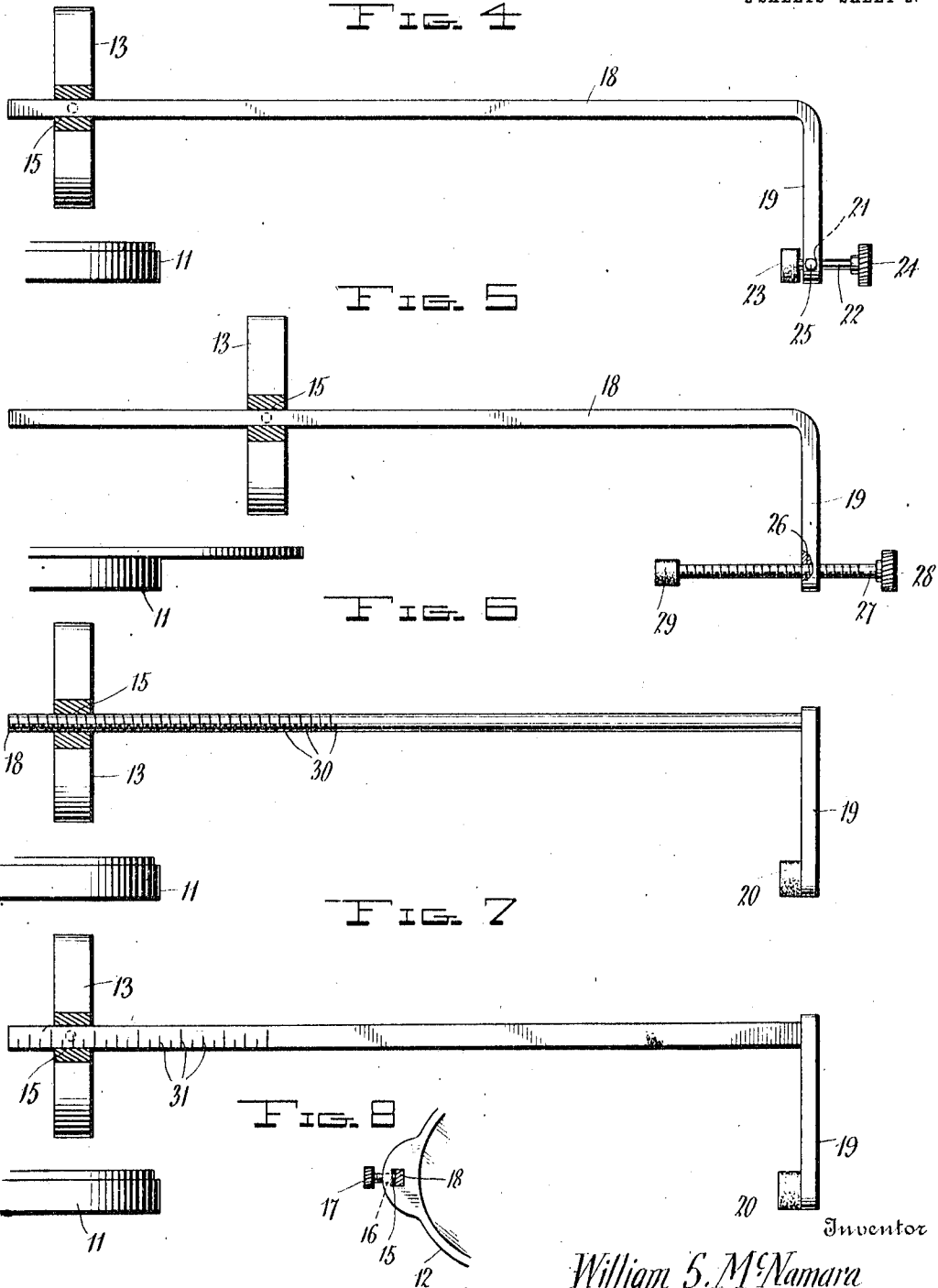
Attorneys

W. S. McNAMARA.
ATTACHMENT FOR TALKING MACHINES.
APPLICATION FILED OCT. 6, 1909.

954,455.

Patented Apr. 12, 1910.

2 SHEETS—SHEET 2.



Witnesses

J. N. Gillis
L. N. Gillis

William S. McNamara

By *Charles C. Chandler*

Attorney

UNITED STATES PATENT OFFICE.

WILLIAM S. McNAMARA, OF SAN FRANCISCO, CALIFORNIA.

ATTACHMENT FOR TALKING-MACHINES.

954,455.

Specification of Letters Patent.

Patented Apr. 12, 1910.

Application filed October 6, 1909. Serial No. 521,219.

To all whom it may concern:

Be it known that I, WILLIAM S. McNAMARA, a resident of the United States, residing at San Francisco, in the county of San Francisco, State of California, have invented certain new and useful Improvements in Attachments for Talking-Machines; 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 sound reproducing machines of the disk type and has special reference to a mechanism adapted to be applied to such machines for the purpose of stopping the machine after the reproducing needle has covered a definite part of the record.

One object of the invention is to provide a mechanism whereby a machine of the class described may be stopped when the record is finished.

Another object of the invention is to provide a device of this character which is adapted to be attached to any existing machine without change in the structure thereof.

With the above and other objects in view the invention consists in general of an attachment for sound reproducing machines of the disk type arranged to stop the motion of the disk at a predetermined point.

The invention further consists in certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings, and specifically set forth in the claims.

In the accompanying drawings, like characters of reference indicate like parts in the several views, and Figure 1 is a top plan view of a portion of a disk sound reproducing machine equipped with this invention. Fig. 2 is a partial side elevation of such a machine. Fig. 3 shows the collar or clip adapted for application to the sound box of a talking machine. Fig. 4 shows a view of a modified form of brake end. Fig. 5 is a second modification of the brake end such as is used for machines employing disks or records larger than the revolving plate. Fig. 6 is a modified form of the brake arm or standard. Fig. 7 is another modification thereof. Fig. 8 is a modification showing a lug cast on the sound box of a talking machine for the attachment of the stop.

The numeral 10 indicates the box or casing of the machine and this machine is equipped with the usual revolving plate 11.

At 12 is indicated the sound box and this sound box is of the ordinary shape and size.

The attachment forming the subject of this patent comprises a collar or clip 13 arranged to fit over the sound box and secured thereto by means of a suitable set screw 14. Through this collar or clip extends an opening 15 which is intersected by threaded openings 16 wherein is held a binding screw or set screw 17. Through the opening 15 extends a brake standard 18 which has a downwardly bent outer end as indicated at 19. In the form ordinarily adopted this brake standard is provided at 20 with a suitable facing of rubber, leather or the like to constitute the brake. This form may be modified by constructing the downwardly bent end with an opening therethrough as indicated at 21, and when so modified, through this opening extends a rod 22 having on its inner end the brake member as indicated at 23 and on its outer end a suitable grip 24. This rod is held in position by means of a set screw 25 secured in a threaded opening which intersects the opening 21.

In the modification shown in Fig. 5 the opening 21 is replaced by a threaded opening 26 wherein is held a threaded brake screw 27 having a knurled head 28 and carrying a brake member 29.

In the modification of the standard shown in Fig. 6 this standard is threaded as indicated at 30 while in the modification shown in Fig. 7 the standard has suitable scale marks 31 thereon. In the case of the form shown in Fig. 6 the opening 15 is threaded to permit the screwing of the standard in said opening so that the distance of the downwardly bent end 19 may be adjusted by said screw while in the other forms disclosed this distance is regulated by sliding the standard through the opening and adjusting the set screw 17 to hold it in position.

In the operation of any of these devices the standard 18 is set so that the needle rests in the last grooves of the record when the brake face bears against the rim of the revolving plate. When this is done the machine is started in the usual manner and the needle feeds across the record in the ordinary way. When the record has been played the needle runs into the idle grooves which occur at the end of every record and while

in these grooves carries the standard to such position that the brake piece or member bears against the rim of the revolving plate thus stopping the machine.

5 By means of this construction the machine may be started and left to run by itself without fear of running the spring down or using up the battery if such be used to operate the device. Furthermore, the wear of
10 the needle is prevented as the record is checked at the end of each piece. There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

15 It is obvious that minor changes may be made in the form and construction of this invention without departing from the material principles thereof. It is not therefore desired to confine the invention to the exact
20 form herein shown and described, but it is wished to include all such as properly come within the scope of the appended claims.

Having thus described the invention, what is claimed as new, is:—

25 1. In an attachment for talking machines,

a clip adapted for engagement on a needle carrying element, said clip having a standard receiving opening extending there-through, a standard held in said opening to move longitudinally thereof, means to hold
30 said standard in adjusted position in said opening, and a brake member supported by said standard.

2. In an attachment for talking machines, a clip adapted for engagement on a needle
35 carrying element, said clip having a standard receiving opening extending there-through, a standard held in said opening to move longitudinally thereof, means to hold
40 said standard in adjusted position in said opening, a brake member supported by said standard, and other means to hold said brake member in adjusted position relative to said standard.

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

WILLIAM S. McNAMARA.

Witnesses:

M. COOK,

E. C. McMILLAN.