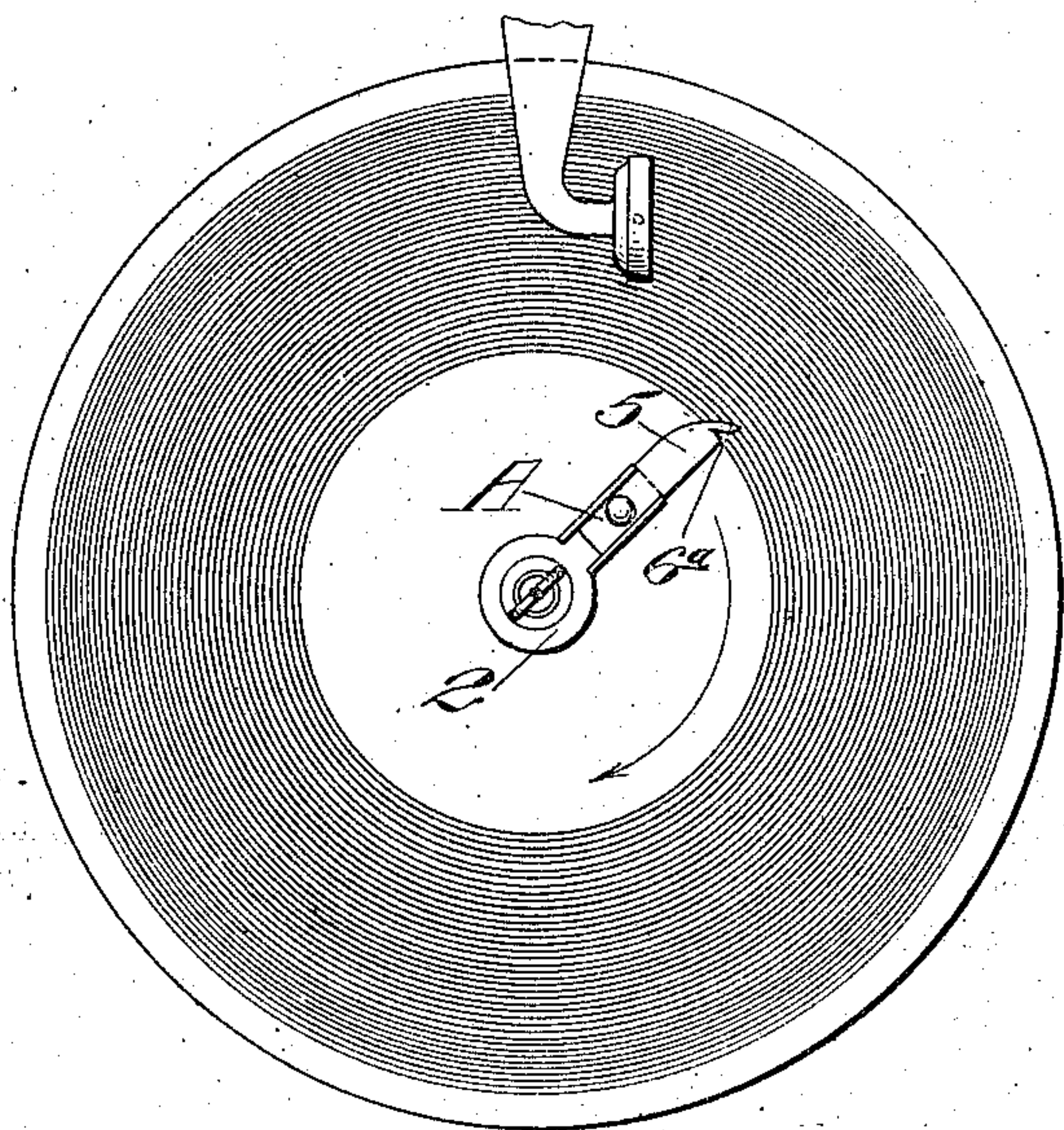


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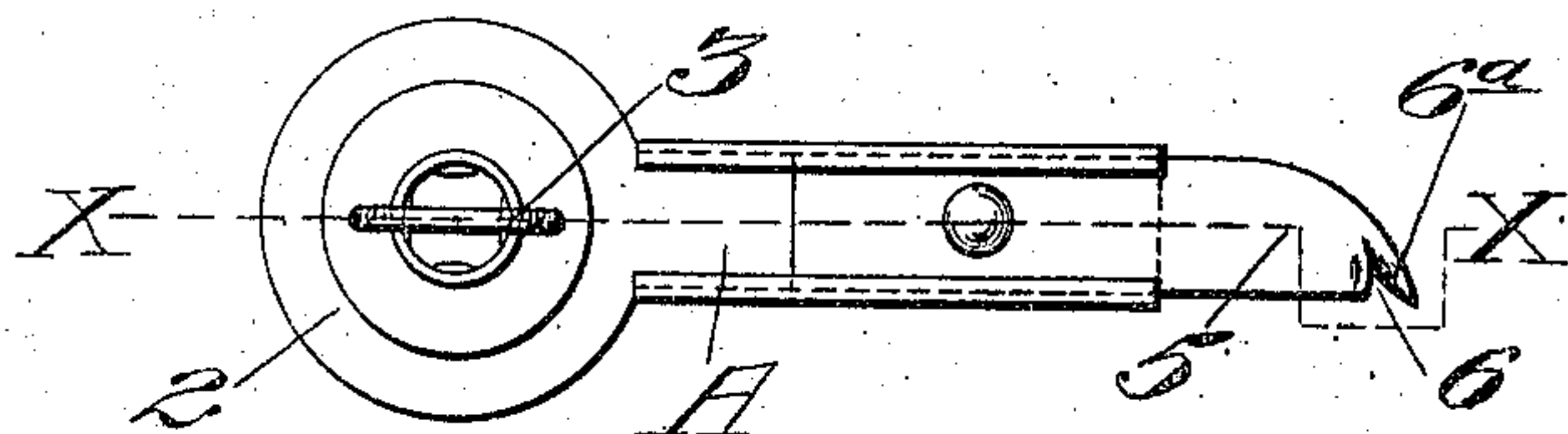
PATENTED MAY 28, 1907.

C. M. MILLER.  
TALKING MACHINE ATTACHMENT.  
APPLICATION FILED JAN. 18, 1907.

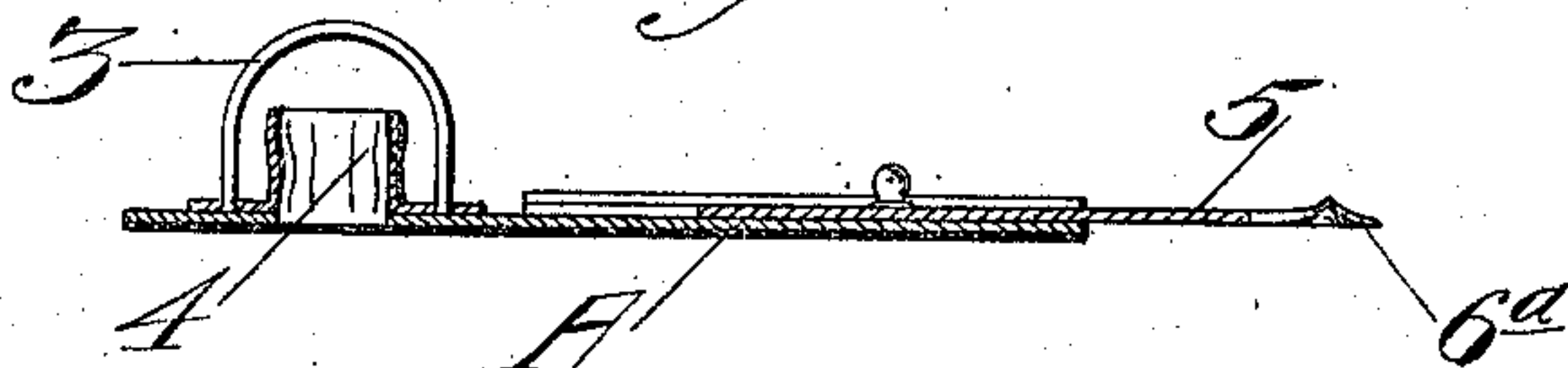
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

*J. Eastberg*  
*J. A. Souce*

INVENTOR

*Charles M. Miller*

BY

*Geo. H. Strong*

ATTORNEY



# UNITED STATES PATENT OFFICE.

CHARLES M. MILLER, OF ALAMEDA, CALIFORNIA.

## TALKING-MACHINE ATTACHMENT.

No. 855,116.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed January 18, 1907. Serial No. 352,932.

*To all whom it may concern:*

Be it known that I, CHARLES M. MILLER, a citizen of the United States, residing at Alameda, in the county of Alameda and State of California, have invented new and useful Improvements in Talking-Machine Attachments, of which the following is a specification.

My invention relates to an attachment for talking machines, in which the records are of the disk class, and it is intended to protect the disks from injury after the finish of the piece.

It consists of the parts and the constructions and combinations of parts which I will hereinafter describe and claim.

Figure 1 is a partial plan view of a phonograph showing the attachment of my device. Fig. 2 is a plan view of same. Fig. 3 is a section on line X—X of Fig. 2.

In the operation of machines of this class, the disk having the record upon it is revolved beneath a point which is held with relation to the disk so as to follow the lines of the record. It is necessary to attend to the machine and lift the arm which carries the point out of contact with the disk as soon as possible after the finish of the piece that is being played, otherwise the points will sometimes jump and be thrown back on to the lines of the record so as to injure it.

It is the object of my invention to prevent such an accident, and it is effected as follows:

A is an arm projecting from a central hub or disk as at 2. This disk or hub has a hole through it which is adapted to fit the central vertical post of the machine, and for convenience may have a loop or handle 3 of any description by which it can be placed upon or removed from the post.

4 is a clamp which has sufficient adherence to the post to hold the arm A in a stationary position. This may be effected either by a piece of cork or rubber, or, as in the present case, a thin metal tube slitted vertically to form a series of elastic vertical ribs which will slightly clamp the post, and hold the arm in any position in which it may be placed sufficient to prevent its being displaced, but which will allow it to move around when the proper time arrives.

5 is a radially movable slide carried upon the arm A. To provide for this movement, the edges of the arm A may be turned over to form grooves in which the edges of the slide move with sufficient friction to hold the

slide at any point where it may be set. The outer end of this slide is curved or made to extend from what may be termed the rear edge toward the front edge. The arm and slide revolve in unison with the disk during the performance. This front edge has a small notch made in it, as at 6, the object of which is to catch and hold the pin which is following the record, after the piece has been completed.

The operation of the device will be as follows: The elastic sleeve is placed over the post, and the slide 5 is moved inwardly or outwardly upon the arm A until the point 6<sup>a</sup> is just at the termination of the last circle of the record. The pin in the end of the arm to which it is attached, being let down upon the record at the outer edge as is customary, will follow the record until the piece is finished, at which instant it will arrive at the point 6<sup>a</sup>, and just after the completion of the record, the pin will be engaged by this point and moved into the notch which thus holds it securely, and the pin will be prevented from jumping, or in other ways injuring the record.

I prefer to make the projecting point as thin as convenient, and to make a little up-turned lip or edge 6<sup>a</sup> at the side and bottom of the notch 6 to insure the engagement of the tone point.

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

1. In a disk record talking machine, a radially projecting arm and a part slidably guided on said arm and having a notch in its outer end adapted to be engaged by the tone producing points after the record has been completed.

2. In a disk record talking machine, the combination of an arm provided with guides, means for attaching said arm to the central post of the machine, and a member slidable in the guides on said arm, and having its outer end notched to form a stop for the tone producing point when the record has been completed.

3. In a disk record talking machine, an arm, means by which said arm is attached to the central post with slight frictional hold, a radially slidable plate carried upon said arm, said plate having a terminal point and notch adapted to engage the tone-producing point after the completion of the record.

4. In a disk-record talking machine or the like, a radially adjustable arm, a socket by

which it may be attached to the central post,  
with slight frictional adherence, a point and  
notch at the outer end having an upturned  
lip adapted to be engaged by the tone-pro-  
5 ducing point upon its arrival at the end of the  
record.

In testimony whereof I have hereunto set

my hand in presence of two subscribing wit-  
nesses.

CHARLES M. MILLER.

Witnesses:

W. A. L. MILLER,  
ANNIE L. MILLER.