H. C. KELLY.

ATTACHMENT FOR GRAPHOPHONES.

APPLICATION FILED JUNE 17, 1908.

913,508.

Patented Feb. 23, 1909.

Fig. 1.

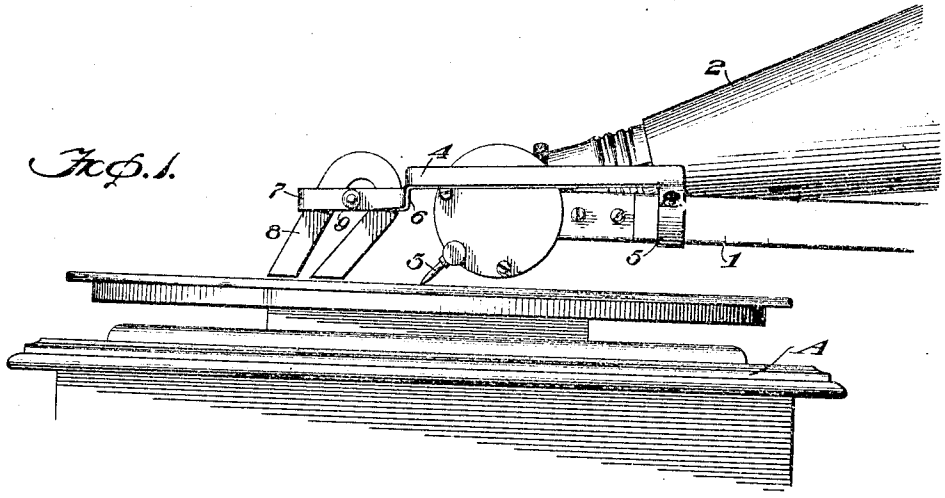


Fig. 2.

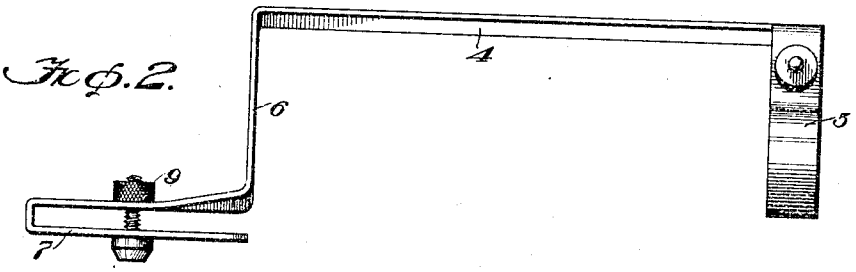
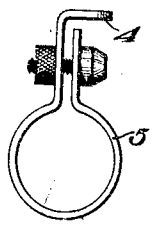


Fig. 3.



Witnesses

Lloyd W. Patch

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UNITED STATES PATENT OFFICE.

HANSON C. KELLY, OF WEST BURLINGTON, IOWA.

ATTACHMENT FOR GRAPHOPHONES.

No. 913,508. Specification of Letters Patent. Patented Feb. 23, 1909.

Application filed June 17, 1908. Serial No. 439,059.

To all whom it may concern:

Be it known that I, HANSON C. KELLY, a citizen of the United States, residing at West Burlington, in the county of Des Moines and State of Iowa, have invented certain new and useful Improvements in Attachments for Graphophones, of which the following is a specification.

My invention relates to an improvement in attachments for graphophones, and the object is to provide means whereby the particles of dust caused by the needle of the graphophone as it becomes worn to be gathered off from the disk or record, thereby preventing metal from working into the records, and thus preserving the record. This manner of gathering up the particles will also overcome the scratching which is often caused after the record has been used for any length of time.

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

In the accompanying drawings Figure 1 is a view showing my invention applied to the graphophone; Fig. 2 is a view of the bracket for holding the magnet, and Fig. 3 is a detail.

A, represents a graphophone of the ordinary type, and 1 is an arm of the graphophone upon which the horn 2 is mounted and to which the needle 3 is connected. A bracket 4 is connected to the arm 1 of the graphophone by means of a clamp 5, which clamp is preferably made integral with the bracket. The bracket 4 at its forward end extends upwardly as at 6, and then extends outwardly or forwardly to form the loop 7. Between the ends and in the loop of the bracket a magnet 8 is placed, which is held in the loop by a thumb screw 9. The magnet is adjustably held in the loop so that it can be supported a certain distance above the record or disk. The magnet is held sufficiently above the disk or record so that there is no possible contact between the disk and magnet, but the magnet is merely a sufficient distance above the disk so that all particles of the metal from the wear of the needle can be attracted and taken up by the magnet from the disk or record.

From the foregoing it will be seen that I have provided a means whereby records can be preserved and all particles of metal from the needle can be taken up by the magnet, and thereby prevent metal from being ground into the disk or record, and at the same time by taking up these particles the scratching which is caused by the needle in many instances is obviated.

It is evident that slight changes might be made in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to be limited to the exact construction herein set forth, but:—

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

1. An attachment for graphophones, comprising a magnet, and means for supporting the magnet in the rear of the stylus for directly gathering up the particles of metal from the record.

2. An attachment for graphophones comprising an arm, a bracket clamped to the arm, said bracket having a loop formed therein, and a magnet adjustably held in the loop of the bracket for collecting all particles of metal from the record.

3. An attachment for graphophones comprising an arm, a bracket connected to the arm, said bracket being offset and having a loop formed at one end, and a magnet held in the loop of the bracket for collecting particles of metal from the records.

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

HANSON C. KELLY.

Witnesses:
CHAS. T. FISHER,
CLAUD JAMES SCRIBNER.