

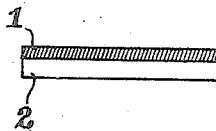
Nov. 22, 1938.

W. RABALD

2,137,307

SOUND RECORD FOR TALKING MACHINES

Filed March 3, 1934



Inventor
Willy Rabald
by *[signature]*
Attorney

UNITED STATES PATENT OFFICE

2,137,307

SOUND RECORD FOR TALKING MACHINES

Willy Rabald, Leipzig, Germany

Application March 3, 1934, Serial No. 713,834
In Germany March 3, 1933

2 Claims. (Cl. 274—41)

This invention relates to a special construction of sound records to be employed on one side or on both sides for recording and reproducing sound of all kinds, and the novelty of which consists in that as sound wave carrier cadmium metal is employed which is applied in a layer of suitable thickness on a flexible plate serving as carrier for the cadmium layer and made of metal or other substances suitable therefor.

The accompanying drawing shows in elevation, a sound record. Referring more in detail to the accompanying drawing, there is illustrated a layer 1 of suitable thickness of cadmium metal that is applied to a flexible plate 2 made of metal or other material suitable to act as a carrier for the cadmium metal.

A great advantage of cadmium consists in its good cutting capability, which, as experiments have shown, is possible with no other metal whilst obtaining the same advantages.

As compared with the pressing of record grooves in the metal the cutting thereof enables a higher tone frequency because the pressing requires a much higher recording pressure.

The crystalline properties of cadmium and the mirror-smooth tone grooves produced thereby reduce the recording noises to a minimum as compared with pressed plates. In known records made of metal or other material and serving for direct recording and reproduction, a preliminary or subsequent treatment is mostly necessary which is eliminated in case of the record according to the invention.

Cadmium is extremely resistant against atmospheric influences, and possesses a hardness which is sufficient for sound records to play them as often as desired with a suitable needle of horn or wood.

I claim:—

1. A sound record, for use in recording and reproducing sound, which presents a material comprising cadmium as a sound recording-reproducing medium.

2. A sound record, for use in recording and reproducing sound, which presents cadmium as a sound recording-reproducing medium.

WILLY RABALD.