

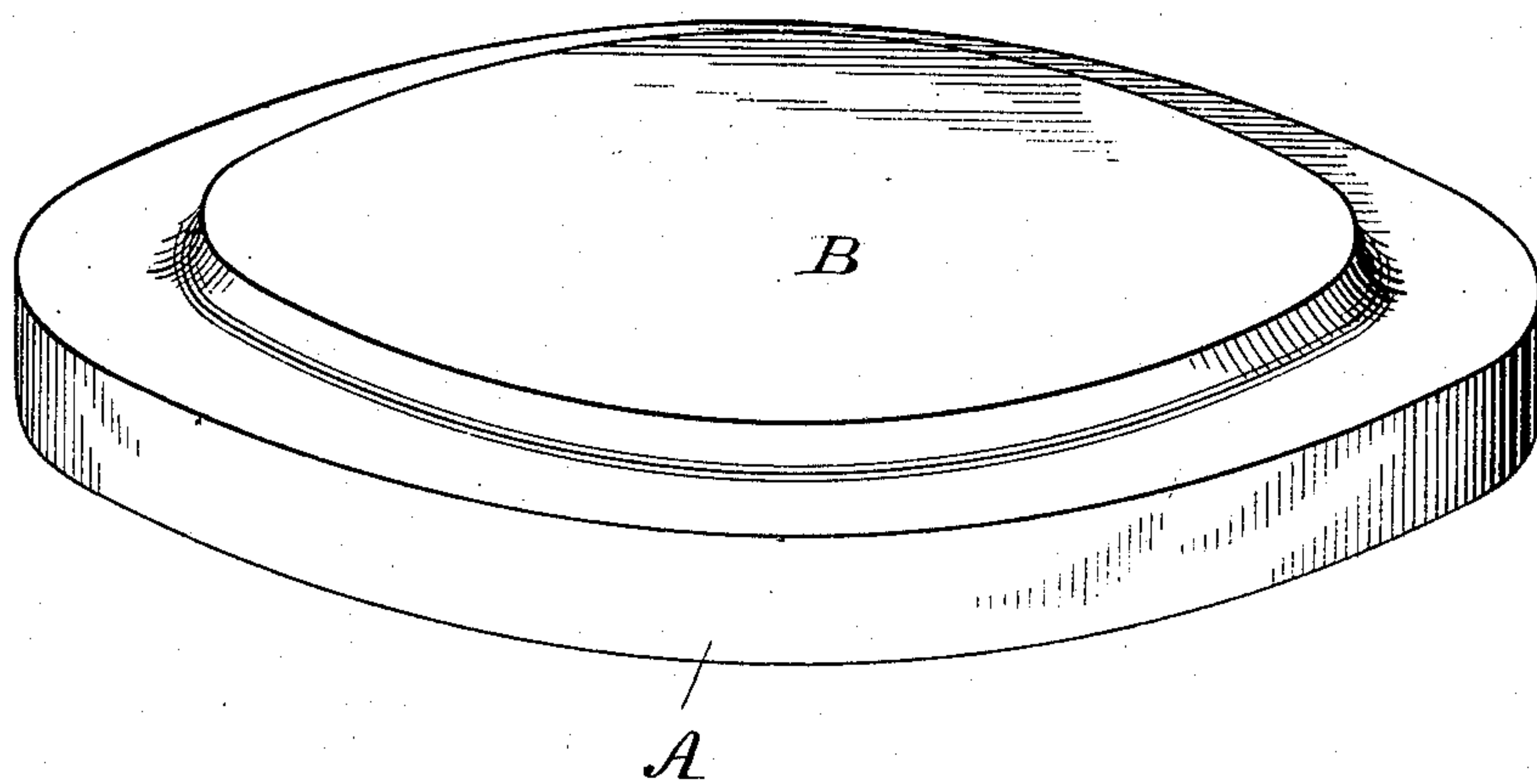
No. 854,801.

PATENTED MAY 28, 1907.

G. K. CHENEY.

COMPOSITION OF MATTER FOR SOUND RECORDS.

APPLICATION FILED JUNE 6, 1903.



WITNESSES:

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GEORGE K. CHENEY, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO VICTOR TALKING MACHINE COMPANY, A CORPORATION OF NEW JERSEY.

COMPOSITION OF MATTER FOR SOUND-RECORDS.

No. 854,801.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed June 6, 1903. Serial No. 160,432.

To all whom it may concern:

Be it known that I, GEORGE K. CHENEY, a citizen of the United States of America, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Composition of Matter for Sound-Records, of which the following is a specification.

My invention relates generally to sound record tablets and is more specifically designed to produce a composition of matter for use as a recording surface or record tablet for talking machines. For this purpose, it is desirable that such a material should be perfectly amorphous and sufficiently hard and tough to permit ordinary handling and resist changes in temperature. At the same time, it must not be too brittle, as this property tends to cause it to crack, chip and break unevenly under the action of the cutting style, which results in mutilating the record and gives rise to harsh unpleasant sounds on reproduction. The material should furthermore be of such texture and possess sufficient coherence to permit a sharp clean cut to be made in the surface thereof and the shavings as formed, to be readily removed, without any tendency to become sticky and adhere to the record, recorder, etc.

I obtain a composition possessing the various essential properties and characteristics above pointed out, by combining equal parts of ozocerite and paraffin. Such a composition I find to be tough and smooth in texture. The shaving formed by the recording point is continuous and does not break into bits and stick to the surface of the record or clog the point of the stylus. The record groove is clean cut and the walls or surface thereof are smooth and entirely free of inequalities.

The accompanying drawing illustrates a common form of record tablet, such as is ordinarily employed in practice.

The tablet may be formed throughout of the composition or the body A, thereof may be of a different material and coated to a suitable depth with the composition to form a record surface B.

In carrying out my invention, I take ozocerite and paraffin in suitable proportions, preferably about equal parts, and reduce or concentrate the same by the application of heat. As the material melts, the temperature is gradually increased, until the boiling point is reached and it is thereafter raised to 350 or 400° Fahrenheit and continued for an hour or more, or until, on test, it exhibits the required degree of hardness, toughness, etc. It is then poured into molds conforming to the desired shape of the record blanks or tablets and allowed to cool and harden. Upon being removed from the molds, the surface B, of the blank is trued up to receive the sound record.

Having, therefore, described my invention, I claim:

1. A record tablet having a recording surface consisting essentially of a composition of ozocerite and paraffin in suitable proportions.

2. A record tablet consisting essentially of a composition of equal parts of ozocerite and paraffin.

Signed at New York, N. Y. this 4th day of June, 1903.

GEORGE K. CHENEY.

Witnesses:

J. E. PEARSON,
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