

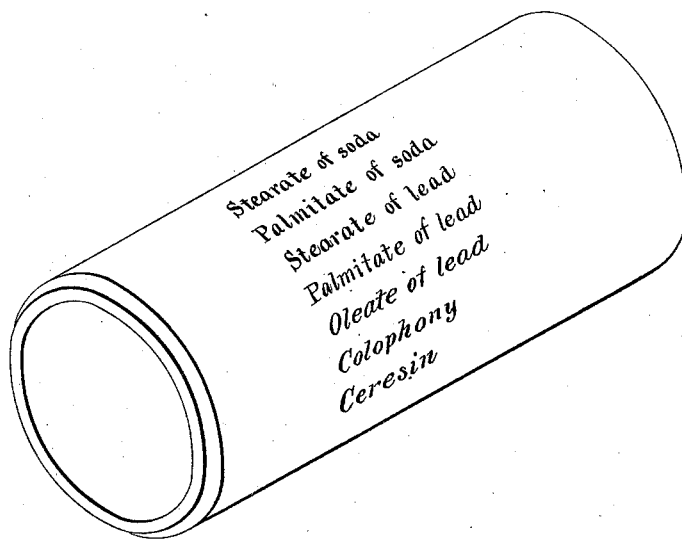
No. 676,III.

Patented June 11, 1901.

J. W. AYLSWORTH.  
PHONOGRAPHIC RECORD BLANK.

(Application filed Aug. 11, 1900.)

(No Model.)



Witnesses:

*Jas. P. Coleman*  
*Archibald G. Reese*

Inventor

*James Walter Aylsworth*  
by *Hyer Edmund Hyer*  
Att'ys.

# UNITED STATES PATENT OFFICE.

JONAS WALTER AYLSWORTH, OF EAST ORANGE, NEW JERSEY, ASSIGNOR TO  
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## PHONOGRAPHIC RECORD-BLANK.

SPECIFICATION forming part of Letters Patent No. 676,111, dated June 11, 1901.

Application filed August 11, 1900. Serial No. 26,643. (No specimens.)

*To all whom it may concern:*

Be it known that I, JONAS WALTER AYLSWORTH, a citizen of the United States, residing at East Oarange, in the County of Essex and State of New Jersey, have invented a certain new and useful Improvement in Phonographic Record-Blanks, of which the following is a description.

My invention relates to improvements in compositions for phonographic record-blanks; and my object is to secure a composition by which blanks of superior quality to those now in use can be produced, while the cost of such blanks will be materially reduced.

In the accompanying drawing I illustrate a perspective view of a phonograph-blank, indicating thereon the preferred combination of ingredients therefor.

My improved composition for phonographic record-blanks consists of an alkaline soap of higher fatty acids of the acetic series—as, for example, a stearate or palmitate, or both, of an alkali, such as soda—a lead soap of higher fatty acids of the acetic series—as, for example, a stearate or palmitate, or both, of lead—oleate of lead, a resinous substance—such as colophony, gum-copal, gum-kauri, &c.—and preferably a hydrocarbon—such as paraffin, ozocerite, ceresin, &c.—as indicated in the drawing. The stearic acid of commerce, from which stearate of lead and stearate of soda are made, is composed of a mixture of stearic acid and palmitic acid, so that the products secured therefrom comprise a mixture of stearate and palmitate of lead or soda, as the case may be. For cheapness of manufacture, therefore, I prefer to manufacture stearate and palmitate of lead or soda from the ordinary stearic acid of commerce, and therefore the most economical composition of my present invention is one utilizing both stearate and palmitate of lead and soda. It is to be understood, however, that a composition is within the scope of my present invention if it utilizes either stearate or palmitate of lead or of soda or any desired combination of such products.

Proportions with which I have secured ex-

cellent results are the following: ninety-six parts, by weight, of stearate and palmitate of soda, containing about 6.9 parts of sodium oxid, ( $\text{Na}_2\text{O}$ ;) seventy-three parts, by weight, of stearate and palmitate of lead, containing about twenty-one parts of lead oxid, ( $\text{PbO}$ ;) nine parts, by weight, of oleate of lead, containing about 2.5 parts lead oxid; ten parts, by weight, colophony; two parts, by weight, ceresin. These proportions may be varied considerably without departing from the spirit of my invention. For instance, the ceresin may be omitted entirely if it is desired to produce a harder composition, and the proportion of oleate of lead may be reduced to attain the same end.

The resulting blanks are absolutely non-crystalline in character, hard, perfectly smooth, and more or less transparent.

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

1. A composition for phonograph record-blanks, comprising an alkaline soap of higher fatty acids of the acetic series, a lead soap of higher fatty acids of the acetic series, oleate of lead and an acid resin, substantially as set forth.

2. A composition for phonograph record-blanks, comprising soda soap of higher fatty acids of the acetic series, lead soap of higher fatty acids of the acetic series, oleate of lead and an acid resin, substantially as set forth.

3. A composition for phonograph record-blanks, comprising an alkaline soap of higher fatty acids of the acetic series, a lead soap of higher fatty acids of the acetic series, oleate of lead, an acid resin, and a hydrocarbon, substantially as set forth.

4. A composition for phonograph record-blanks, comprising soda soap of higher fatty acids of the acetic series, lead soap of higher fatty acids of the acetic series, oleate of lead, an acid resin, and a hydrocarbon, substantially as set forth.

5. A composition for phonograph record-blanks, comprising stearate and palmitate of soda, stearate and palmitate of lead, oleate of

lead, and an acid resin, substantially as set forth.

5 6. A composition for phonograph record-blanks, comprising stearate and palmitate of soda, stearate and palmitate of lead, oleate of lead, an acid resin, and a hydrocarbon, substantially as set forth.

This specification signed and witnessed this 25th day of July, 1900.

JONAS WALTER AYLSWORTH.

Witnesses:

J. F. RANDOLPH,  
J. A. BOEHNE.