

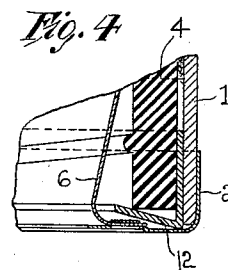
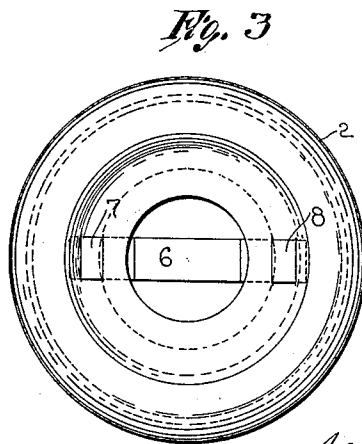
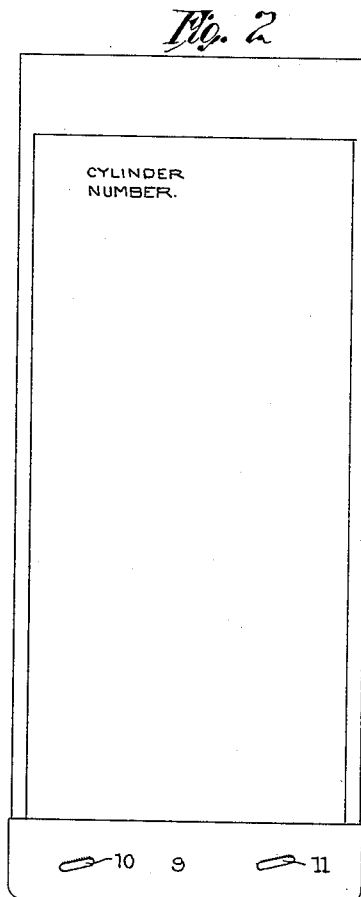
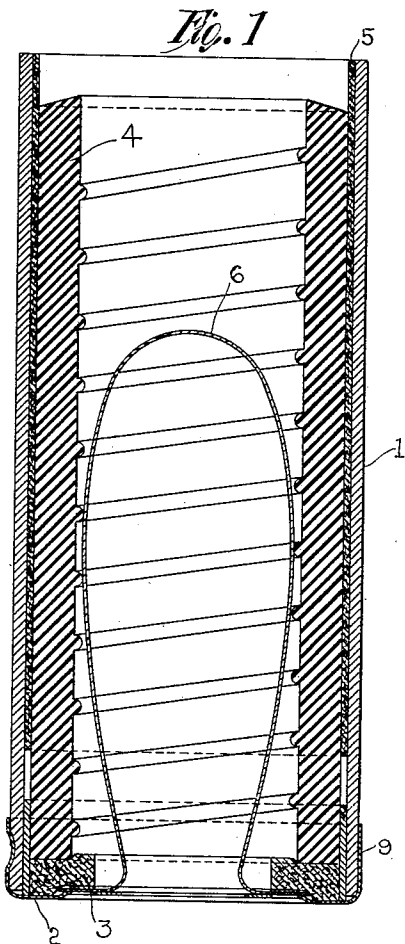
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CARTON.

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1,042,042.

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UNITED STATES PATENT OFFICE.

ABNER M. SEELEY AND NELSON C. DURAND, OF NEWARK, NEW JERSEY, ASSIGNORS,
BY MESNE ASSIGNMENTS, TO THOMAS A. EDISON, INCORPORATED, OF WEST ORANGE,
NEW JERSEY, A CORPORATION OF NEW JERSEY.

CARTON.

1,042,042.

Specification of Letters Patent.

Patented Oct. 22, 1912.

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To all whom it may concern:

Be it known that we, ABNER M. SEELEY and NELSON C. DURAND, citizens of the United States, and residents of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Cartons, of which the following is a description.

Our invention relates to cartons, and particularly to those designed for holding records or blanks such as are employed for receiving letters and the like dictated to the phonograph. Such cartons should hold the record safely and securely and the record should at the same time be readily accessible to the user in its carton and be instantly removable therefrom.

The object of our invention is to provide a carton of this character in which a base member is provided having resilient means as a bent spring secured to the same and rising within the carton in position to frictionally engage the bore of the phonograph record or blank inserted within the carton to prevent the same from falling from the open end of the carton, and to securely retain the record within the carton until it is removed therefrom by a direct longitudinal pull. Also, preferably, the base member with its resilient record-retaining means is detachable from the casing of the carton to which it may be secured and held preferably by friction. By this means the base or bottom member with the spring secured thereto may be of a permanent character, preferably being formed of metal, and may be transferred from one carton to another when the carton with which it has been used becomes dirty or worn. We also intend to provide the base member as described with its attached spring as a separate article of manufacture adapted to be used in coöperation with cylindrical cartons of cardboard or similar material for the purposes described.

In order that our invention may be more clearly understood, attention is hereby directed to the accompanying drawings, in which—

Figure 1 is a vertical cross section through a carton inclosing a record and embodying our invention. Fig. 2 is a side elevation of the same. Fig. 3 is a bottom plan view of

the same, and Fig. 4 is a partial longitudinal section of the same showing a modification.

Referring to the drawings, the carton comprises a cylindrical casing 1 which is adapted to be closed by the annular bottom member 2, the casing 1 being preferably formed of one continuous piece of cardboard. The top of the casing is preferably left open, as shown in Fig. 1. In the embodiment of our invention disclosed in Fig. 1, bottom member 2 carries an annulus of felt or other soft material 3 upon which the lower end of the sound record or blank 4 rests when the same is inclosed within the carton. By making the members 2 and 3 annular, the cartons may be placed upon and retained in place by pins or projections such as are found on the commonly employed racks and trays for record cylinders. The cylindrical casing 1 is preferably lined with fleece or other soft material 5. The metal spring member 6 is secured to the upper side of bottom member 2 at its two ends, the spring extending longitudinally within the carton and being adapted to frictionally engage the bore of record 4 inclosed within the carton at two diametrically opposite points, as shown. The bottom member 2 is preferably formed of tin or other metal, the bottom thus being of a permanent and light construction. The spring 6 may be secured to bottom 2 in any suitable way, as by bending over the lower ends 7 and 8 of the spring and passing the same through slits in bottom member 2, as is shown in Fig. 3. The bottom 2 is provided with a cylindrical upturned flange 9 of a suitable diameter to tightly engage the outside surface of the bottom of cylindrical casing 1. Bottom 2 is preferably provided with means for frictionally retaining the same upon the carton, such as the interrupted screw thread indicated at 10, 11 in Fig. 2. This may be formed by punching the periphery of cylindrical flange 9 of bottom 2 at intervals, the metal being displaced on the interior of the flange in the form of inclined ridges. When the bottom member is forced upon the lower end of the cylindrical casing 1 which is preferably formed of cardboard or similar material and rotated through a partial revolution, the in-

clined ridges formed on flange 9 by the punching will dig into the lower end of the cylindrical casing and thereby retain the bottom member in threaded engagement with the casing.

Preferably, the cartons are provided with a permanent bottom of cardboard or other material 12, as shown in Fig. 4, this bottom having a circular central opening formed therein as shown, and not being provided with any holding means, such as spring 6. Records 4 may be packed in such boxes for the purpose of storage or shipment, and when it is desired to use the same, bottom 2 provided with spring means 6 may be positioned on the end of the carton, as shown in Fig. 4, the spring 6 being inserted within the carton through the circular opening in the bottom of member 12, upon which member record 4 is adapted to rest in this form of our invention. By this means the bottom member 2 may be transferred from one carton to another when the first carton has worn out or become otherwise unsuitable for use.

Having now described our invention, what we claim and desire to protect by Letters Patent is as follows:—

1. In a record carton, the combination of a cylindrical casing, a bottom member for said casing having a central opening therein, and spring means extending upwardly within said casing and having end portions at the bottom of the carton spaced a substantial distance apart and secured to said bottom member at opposite sides of the opening therein, substantially as described.

2. In a record carton, the combination of a cylindrical casing having an open upper end, a bottom member for said casing having a central opening therein and a spring loop extending upwardly within said casing and having its end portions spaced a substantial distance apart and secured to said bottom member at opposite sides of the opening therein, substantially as described.

3. In a record carton, the combination of a cylindrical cardboard casing and having an open upper end, a detachable metallic bottom member for said casing, the said bottom member comprising a bottom portion having a central opening therein and a cylindrical portion projecting from said bottom portion, and a spring loop rising from said bottom portion within said casing and having its end portions spaced a substantial distance apart and secured to said bottom member at opposite sides of the opening therein, said cylindrical portion being provided on its interior surface with an interrupted screw thread in threaded engagement with the outside of said casing, substantially as described.

4. In a carton, the combination of a cylindrical casing having a permanent bot-

tom provided with a central opening, a detachable bottom member provided with a central opening in register with said first named opening, and a spring loop adapted to be passed through said first named opening and extending upwardly within said casing, the end portions of said loop being spaced a substantial distance apart and secured to said detachable bottom member at opposite sides of the opening therein, substantially as described.

5. In a carton, the combination of a cylindrical casing having a permanent bottom provided with a central opening, a detachable bottom member comprising a bottom portion and a cylindrical portion projecting from said bottom portion and detachably secured to the cylindrical wall of said casing, and resilient record retaining means adapted to be passed through said opening, said means being secured to said detachable bottom member and extending upwardly within said casing, substantially as described.

6. In a carton, the combination of a cylindrical cardboard casing having a permanent bottom provided with a central opening, a detachable metallic bottom member comprising a bottom portion provided with a central opening in register with said first named opening and a cylindrical portion provided with an interrupted screw thread in threaded engagement with the cylindrical wall of said casing, and a spring loop adapted to be passed through said first named opening and extending upwardly within said casing, the end portions of said loop being spaced a substantial distance apart and secured to said bottom member at opposite sides of the opening therein, substantially as described.

7. In a carton, the combination of a cylindrical casing having a permanent bottom provided with a central opening, a detachable bottom member secured to said casing, and resilient record retaining means secured to said detachable bottom member and extending upwardly within said casing, said means being adapted to be passed through said opening, substantially as described.

8. In a carton, the combination of a cylindrical casing having a permanent bottom provided with a central opening, a detachable bottom member provided with a central opening in register with said first named opening and secured to said casing, and spring means extending upwardly within said casing and having end portions at the bottom of the carton spaced a substantial distance apart and secured to said detachable bottom member at opposite sides of the opening therein, substantially as described.

9. As a new article of manufacture, a bottom member for cylindrical record cartons

having a central opening therein, and
spring record-engaging means extending
upwardly from said member and having
end portions at the bottom thereof spaced
5 a substantial distance apart and secured to
said bottom member at opposite sides of the
opening therein, substantially as described.
10. As a new article of manufacture, a
bottom member for cylindrical record car-
10 tons having a central opening therein, and
a spring loop extending upwardly from
said member and having its end portions
spaced a substantial distance apart and se-
cured to said bottom member at opposite

sides of the opening therein, substantially 15
as described.

This specification signed and witnessed
this 13th day of October, 1910.

ABNER M. SEELEY.

NELSON C. DURAND.

Witnesses to the signature of Abner M.
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M. VAN DALPEN,

H. W. SUTCLIFFE.

Witnesses to the signature of Nelson C.
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
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