

R. C. HARRIS.
 BOX FOR PERFORATED MUSIC ROLLS.
 APPLICATION FILED MAY 15, 1911.

1,048,831.

Patented Dec. 31, 1912.

Fig. 1.

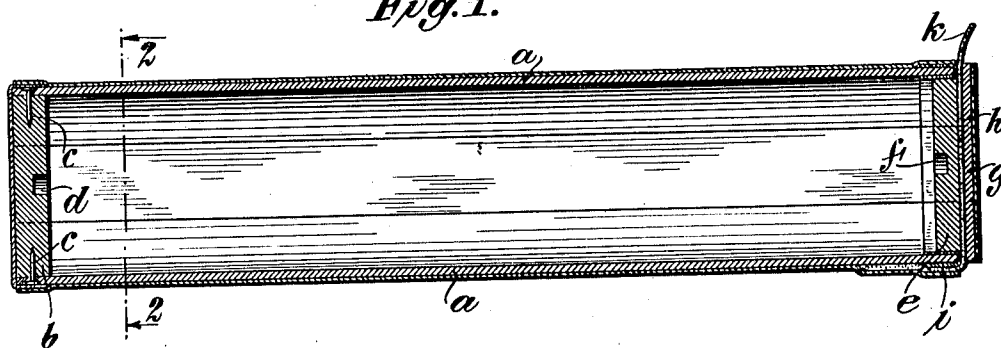


Fig. 2.

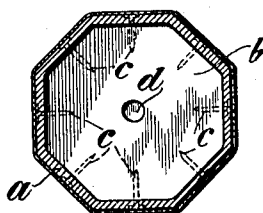
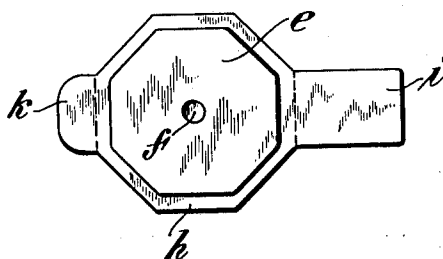


Fig. 3.



Witnesses:
Leifert & Co.
Gully Russo.

Inventor
Richard C. Harris
 By his Attorneys
Redding, Freley & Austin

UNITED STATES PATENT OFFICE.

RICHARD C. HARRIS, OF NEWARK, NEW JERSEY.

BOX FOR PERFORATED MUSIC-ROLLS.

1,048,831.

Specification of Letters Patent.

Patented Dec. 31, 1912.

Application filed May 15, 1911. Serial No. 627,344.

To all whom it may concern:

Be it known that I, RICHARD C. HARRIS, a citizen of the United States, residing in the city of Newark, State of New Jersey, have
5 invented certain new and useful Improvements in Boxes for Perforated Music-Rolls, of which the following is a specification, reference being had to the accompanying drawings, forming a part hereof.

10 Perforated music rolls, that is, the perforated music sheets for use in pneumatic piano players, rolled on spools, are ordinarily packed for shipment, storage and protection in handling in ordinary paste-board boxes, rectangular in cross section
15 and provided with slip covers, such boxes being made usually of ordinary paper-board and not moisture-proof, the employment of an ordinary slip cover making it practically
20 impossible to exclude damp air from the interior of the box. Furthermore, such boxes do not conform closely to the rolls and therefore have considerable waste space within. Again, such boxes, by reason of
25 their shape, are quite liable to be crushed and can not be sent safely by mail without additional protection.

It is the object of this invention to provide a box for the purpose referred to
30 which shall avoid all of the objections above alluded to, being of such shape as to conform to the roll more closely than a rectangular box, of such shape and construction as to withstand handling better and to
35 be capable of being sent by mail without danger of crushing, and of such construction as to make it possible to exclude dampness from the interior.

The invention will be more fully explained hereinafter with reference to the accompanying drawing in which it is illustrated and in which—

Figure 1 is a view in longitudinal section of a box constructed in accordance with the
45 invention. Fig. 2 is a detail view in section on the plane indicated by the line 2—2 of Fig. 1 looking in the direction of the arrows. Fig. 3 is a view of the inner side of the cover removed from the box.

50 The body *a* of the box is made of any suitable material, such as a good quality of paper-board, which is preferably made moisture-proof either before or after completion in any suitable way as by being
55 treated with paraffin wax or by having a moisture-proof lining applied thereto. The

box, instead of being rectangular in cross section as usual heretofore is octagonal, as clearly shown in Fig. 2, thereby conforming more closely to the roll which it incloses
60 than does the ordinary rectangular box. Within the closed end of the box is placed a block *b* of any suitable material but preferably of pulp board which fits tightly within the end of the box and is secured by
65 nails *c* as well as by glue. The block *b* not only closes the end of the box but supports the same against crushing and may itself be provided with a central recess *d* to receive the pin at the corresponding end of the
70 music roll, if such roll is provided with pins. The open end of the box is fitted with a cover which is made up of three parts: an inner block *e*, preferably of pulp board formed of substantial thickness; formed to
75 fit closely within the open end of the box and having a recess *f* to receive the pin at the corresponding end of the music roll, an outer part or cap *g* which is of greater diameter than the inner block *e* and is preferably of the same diameter as the box *a*,
80 and an intermediate part *h* of leather or other suitable flexible material which is formed with a tab *i* and with a tab *k*. The three parts of the cover are cemented together and one of the tabs as *i* is cemented or otherwise secured to the body *a* of the box so as to serve as a hinge as well. The other tab *k* serves as a convenient handle for manipulating the cover. That portion
90 of the part *h* of the cover which extends beyond the block *e* and is supported by the overlapping portion of the cap *g* forms a gasket or packing ring, which fits tightly against the end of the box when the cover is
95 closed and effectually excludes moisture from the interior of the box.

It will be understood that the roll is introduced into the box and withdrawn from it through the open end when the cover is
100 open and that if the roll is provided with pins such pins are received in the recesses *d* and *f* provided in blocks *b* and *e* for that purpose so that the roll is centralized in the box and is held from rattling.
105

When the cover is closed the block *e* thereof fits snugly within the end of the box and holds the cover in place while, as before stated, the intermediate portion *h* of the cover serves not only as a hinge and a
110 handle but also as a packing to exclude moisture.

I claim as my invention:

1. A box comprising a body, a block closing and supporting the body at one end and a cover at the other end, the cover comprising
5 a block fitting within the end of the body, an outer cap overlapping the end of the body and an intermediate flexible portion forming a packing between the cap and the end of the body and having an integral
10 tab secured to the body and forming a hinge for the cover.

2. A box for music rolls comprising a body of waterproof material and octagonal in cross section, a block closing and sup-

porting the body at one end and a cover 15
hinged at the other end, the cover comprising a block to fit within the end of the body, a cap overlapping the end of the body and a sheet of packing material secured between
20 the cap and the block and forming a packing between the cap and the end of the body.

This specification signed and witnessed this 8th day of May A. D., 1911.

RICHARD C. HARRIS.

Signed in the presence of—

AMBROSE L. O'SHEA,

ELLA M. TAYLOR.