

W. A. PAGE.
MUSIC ROLL HOLDER.
APPLICATION FILED JAN. 21, 1911.

993,866.

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Fig. 1.

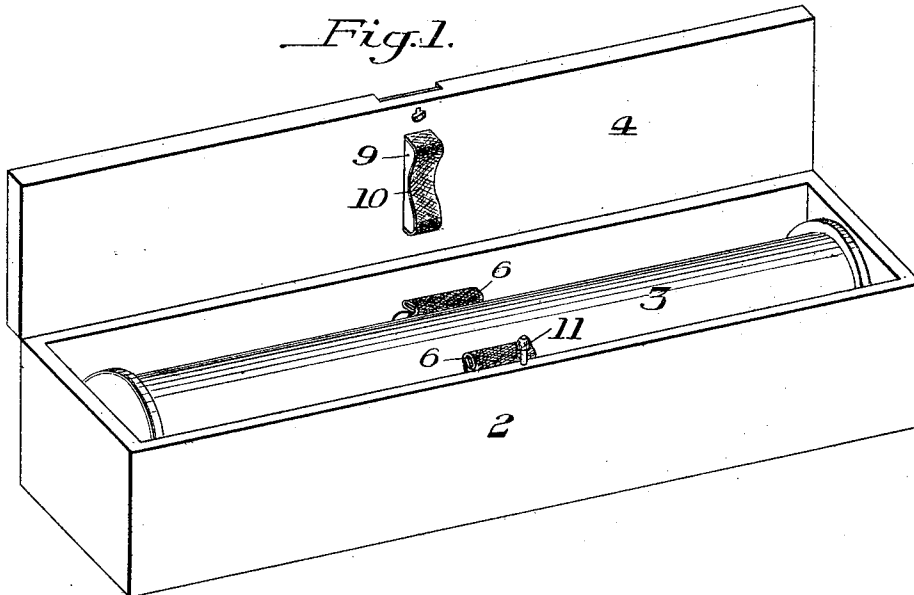


Fig. 2.

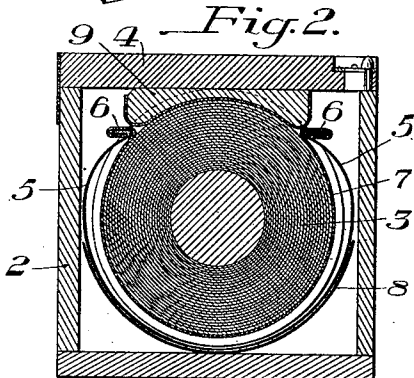


Fig. 3.

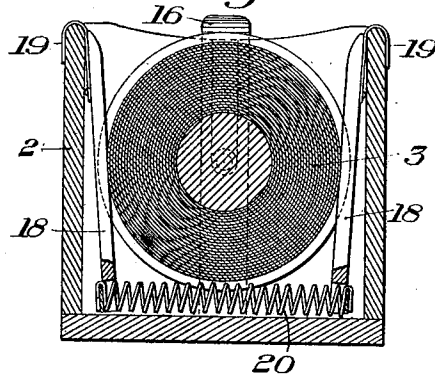
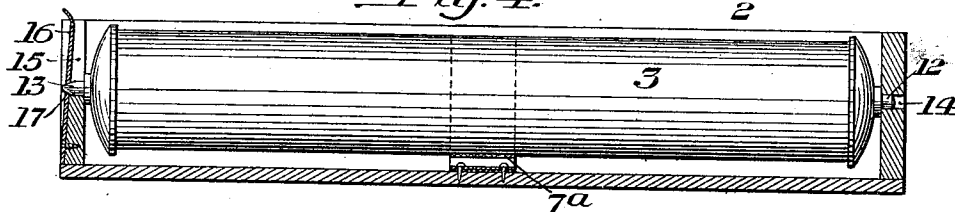
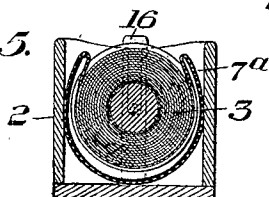


Fig. 4.



WITNESSES Fig. 5.

R. A. Balderson
W. J. Farnsworth



INVENTOR

W. A. Page.

by Bakewell, Raymond Parmelee
his Attys.

UNITED STATES PATENT OFFICE.

WILLIAM A. PAGE, OF CANANDAIGUA, NEW YORK.

MUSIC-ROLL HOLDER.

993,866.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM A. PAGE, a resident of Canandaigua, county of Ontario, State of New York, have invented a new and useful Improvement in Music-Roll Holders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view, showing one form of my improved music roll holders with the cover open; Fig. 2 is a cross section of the same; Fig. 3 is a view similar to Fig. 2, but showing a modification; Fig. 4 is a longitudinal section showing another modification; and Fig. 5 is a cross section on a smaller scale, showing another modification.

My invention has relation to improvements in boxes or holders for paper music rolls, such as rolls of perforated paper which are used with player pianos, piano players and similar instruments.

The invention is designed to provide a holder which can be manufactured at a low cost; which will be of convenient form, and which is provided with means which will positively prevent the paper roll from unwinding while in the box or holder without injury to the roll, and prevent possible wear upon music paper. It is well known that, in order to secure the best results in the use of music rolls of this character, the paper should be tightly wound upon the roll, and it has been customary to place a rubber band around the roll for this purpose. These bands, however, are very unsatisfactory since they are easily lost and soon become weakened or break.

My invention provides a box or holder having therein means for engaging the paper of the roll in such a manner as to effectively prevent its unwinding and dispensing with the use of loose rubber bands.

Referring to the accompanying drawings, the numeral 2 designates a box which is of the proper dimensions to receive a music roll 3, and which is provided with a hinged cover 4. Placed within the box, preferably at the center thereof, is a clip or holder 5 for the roll, which, in the form of my invention shown in Figs. 1, 2 and 4, consists of a piece of sheet metal of spring character and of general U-shape, with the upper end of its legs bent inwardly, as shown at 6. These inwardly bent end portions are then bent outwardly and reversely upon themselves,

to form means for securing thereto a support or hammock 7, which is of fabric or elastic tape. This support or hammock hangs within the spring clip in the manner clearly shown in Fig. 2. The spring clip or strip may be reinforced at its lower portion by another strip 8, as shown in Fig. 2.

The cover of the box is preferably provided with a pad or projection 9, on its inner side having a concave face 10, to contact with the roll when the cover is closed. When the cover is closed, this pad or projection engages the upper portion of the roll in the manner shown in Fig. 2, and forces the roll downwardly against the fabric support or hammock 7. The pull of this support or hammock upon the upper free ends of the spring clips forces their upper end portions inwardly and causes them to exert a firm grasp upon the roll, which will effectively prevent the paper from unwinding. The cover may be provided with any suitable means for holding it closed, such as the snap pin 11.

The modification shown in Fig. 4 is especially adapted for holding rolls of the form which are provided with short end shafts or projections, such as shown at 12 and 13 in said figure. In this form, one end of the box is provided with a perforation 14, to receive the projection 12, and the other end is provided with a slot 15, to receive the projection 13. The outer wall of this slot is formed by a spring plate 16, having therein the opening 17 for the end of the projection 13. When the roll is inserted in the box, the projection 13 will force the plate 16 outwardly until the end of the projection enters the perforation 17. This will hold the roll firmly down to its seat on the support or hammock, and obviates the necessity for a cover or other holding down means.

The form shown in Fig. 5 is similar to that shown in Figs. 1 and 2, except that the fabric support or hammock 7^a, instead of being secured to the clip in the manner before described, is carried entirely around underneath this clip.

In Fig. 3, I have shown a different form of the clip, this form of clip consisting of the two side plates 18 having thin sheet metal hooks 19 at their upper edge portions adapted to hook over the upper edges of the box and connected at their lower ends by a helical spring 20. This form of clip may be used either with the open top box or with

a box having a cover, the frictional engagement of the side clips against the roll being sufficient to prevent the paper from unwinding.

5 While ordinarily a single clip is sufficient to accomplish the purpose, it will be obvious that any desired number of them may be placed in the box. It will also be obvious that various other forms of clips may
10 be employed, instead of the particular forms which I have described. The hammock or support may be omitted, if desired, but I prefer to employ it since it effectively prevents the paper of the roll from being torn
15 or worn through. Various other changes may be made in the details of construction and arrangement of the parts, without departing from the spirit and scope of my invention, as defined in the appended claims.

20 I claim:

1. A box or holder for paper music rolls, having therein a spring clip adapted to frictionally engage the paper of the roll and prevent it from unwinding and the box or
25 holder having means for holding the roll down within said clip, said clip having means whereby the holding down of the roll within the clip increases the frictional action of the clip upon the paper, substantially as described.
30

2. A box or holder for paper music rolls, having a spring clip therein, and a non-

metallic support or hammock suspended within said clip and connected thereto and forming a support for the roll, substantially
35 as described.

3. A box or holder for paper music rolls, having a spring clip therein to engage the paper of the roll and prevent it from unwinding, means for holding the roll down
40 within the arms of the clip, and thereby forcing the arms of the clip into frictional engagement with the paper of the roll, substantially as described.

4. A box or holder for paper music rolls
45 having a U-shaped spring clip therein, a piece of fabric suspended within the clip and adapted to form a support for the roll, said fabric being connected to the free arms of the clip, and means for holding the roll
50 downwardly to its seat, substantially as described.

5. A box or holder for paper music rolls, having a clip therein, said clip having a roll-supporting device adapted to draw the
55 arms of the clip into frictional engagement with the roll by the pressure of the roll; substantially as described.

In testimony whereof, I have hereunto set my hand.

WILLIAM A. PAGE.

Witnesses:

EVA VAN DERLIP,

FRANK A. CHRISTIAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."