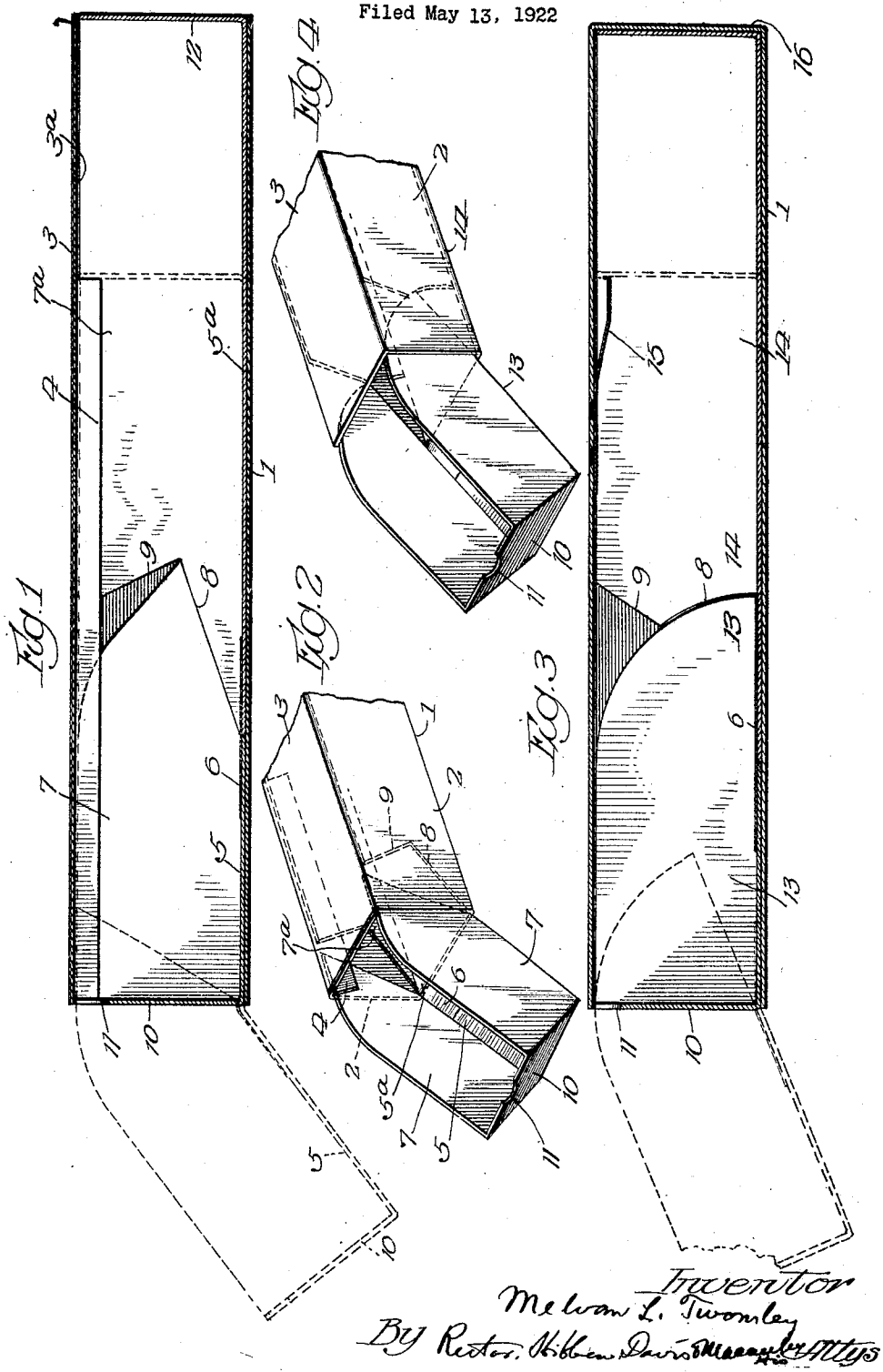
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PAPER BOX

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PAPER BOX.

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My invention relates to paper boxes particularly designed and adapted for the reception of music rolls such as are used with player-pianos, although useful for other purposes as well. Where a considerable number of such music roll boxes are kept for use at one place, as for demonstrating purposes in a music store, or in a collection of such rolls in the home, they are usually stacked in a pile, with the ends only of the boxes in the interior of the pile exposed. It is desirable and necessary to full enjoyment of a collection of music under such conditions that the boxes be so constructed that any selected roll may be withdrawn, leaving the box which contained it in the pile.

The object of my invention is to provide a container or receptacle of the drop front type consisting of an outer casing member open at the front end and an inner open-top sliding drawer member adapted to receive the music roll, so constructed and arranged as to permit withdrawal of the drawer only a sufficient distance to permit the front end to be depressed so that the roll can be removed from the box without disturbing the pile. It is not only unobjectionable, but is a desirable feature of my improved box, that the drawer member cannot be removed, since in such case it is apt to be carried away from the pile, and a place to put it must be found, and where more than one drawer and roller is thus handled they are liable to be interchanged when they are replaced.

With the general purpose above indicated and incidental advantages in the way of simplicity and economy of construction and adaptation to its intended use in view I have designed and invented the paper board container illustrated in the accompanying drawings and which is hereinafter more fully described, and my invention resides in the novel construction, arrangement and combination of cooperating parts of the box, the essential elements thereof being more particularly pointed out in the appended claims in which I have defined my invention and distinguished it from the prior art so far as known to me.

Figure 1 of the acomuanying drawing is a longitudinal vertical section through the box; Fig. 2 is a perspective of the front end of the box opened to receive the music roll; Fig. 3 is a longitudinal vertical section of a modified form of box; and Fig. 4 is a perspective of the front end of such modification opened as in Fig. 2.

The same reference characters indicate the same parts in all the figures of the drawing.

The outer member of my novel receptacle consists of a rectangular box or casing open at the front end, and in the present instance though not necessarily, at the rear end also. This outer member may conveniently be constructed of an integral blank having a bottom section 1, side sections 2—2, overlapping top sections 3 and 3ª, and a stop flange 4, cut away at one end, separated by score lines and folded and with the top sections secured together so as to form a rectangular tube with an internal flange projecting downwardly from the inner top section near the adjacent upper corner of the tube and extending from the end which constitutes the front end of the box over half way toward the rear end.

The inner, sliding box member designed to receive the roll consists of front and rear bottom sections marked 5 and 5ª, respectively, connected along a transverse hinge joint, in the present instance a cloth hinge 6 being employed; divided sides, consisting of front sections 7 and rear sections 7ª, separated by the oblique cut 8 and angular gap 9 illustrated; a front wall 10 which is preferably formed with a notch 11 at its top edge to facilitate withdrawal of the inner slide member from the outer casing member, and a rear end wall 12.

In assembling the box the stop flange 4 may be bent parallel with the top sections of the casing member to permit passage of the rear end of the sliding member from front to rear, the flange springing down inside the rear wall of the sliding member as soon as such wall has cleared the flange and serving as a stop cooperating with the opposite ends of such sliding member. The stop permits withdrawal of the slide member to a point where the hinge line is in the plane of the front edge of the casing, in which position the front end of the slide may be depressed to permit withdrawal of the music roll. When the roll is replaced and the slide closed the stop prevents the slide from being pushed rearwardly out of the rear end of the casing. The rear end wall 12 of the sliding member serves to support and brace the casing member so

that a rear wall at the end of such casing is not required (see Fig. 1), although it may be provided for additional strength and improved appearance if desired, as illustrated in Fig. 3.

It will be noted that when the front end of the slide is depressed the rear portions of the front side sections 7 rotate about the hinge axis adjacent the sides 2 of the casing but remain within the plane of the front of such casing, so that they serve as guides in facilitating a proper movement at the hinge joint, and in lowermost position such portions bring up against the top of the casing, thus preventing excess movement and maintaining the front end of the slide in tilted position. The angular portions of the rear side wall sections 7^a which lie below the oblique cuts 8 serve to strengthen the adjacent portion of the bottom section 5^a and prevent it from cupping upward as in some instances there is a tendency for that part to do.

In Fig. 3 I have shown a modified form of my invention employing as means for preventing withdrawal of the inner box member a separate sheet metal stop 15 secured to the top of the casing, the casing, in the form illustrated, having a top wall of single thickness and being provided with a rear wall 16 closing the end of such member. In this modification, also, the front section 13 and rear section 14 at each side of the inner sliding member are separated on the arc of a circle concentric of the hinge axis and on the radius of such arc in the meeting line between the bottom section and the particular side, the curved rear ends of the sections 13 thus serving as guides, but not as stops limiting the depression of the front of the slide member.

I claim:

1. A drop-front box for music rolls and the like, comprising an outer paper board casing member open at its front end and an open-top sliding member having front and rear sections hingedly connected, the top of said casing member being formed with a depending flange terminating short of the rear end of such member and cooperating with the rear of said sliding member to permit partial withdrawal of the sliding member into position to enable the front section of such member to be depressed.

2. A drop-front box for music rolls and the like, comprising an outer paper board casing member open at its front end and an open-top sliding member having front and rear sections hingedly connected, the top of said casing member being formed with a depending flange terminating short of the rear end of such member and cooperating with the rear of said sliding member to limit withdrawal of said sliding member to its hinge line.

3. A drop-front box for music rolls and the like, comprising an outer casing member open at its front end and an open-top sliding member including divided front and rear side sections and front and rear bottom sections connected on a transverse hinge line, said side sections being separated on lines running rearwardly and upwardly from the ends of said hinge line, whereby the rear bottom section will be braced by connected portions of said rear side sections from the hinge line rearwardly, the portions of said front side sections extending rearwardly of the plane of said hinge line being arranged to cooperate with the sides of the casing member as guides.

4. A drop-front box for music rolls and the like, comprising an outer casing member open at its front end and an open-top sliding member including divided front and rear side sections and front and rear bottom sections connected on a transverse hinge line, said side sections being separated on lines running rearwardly and upwardly from the ends of said hinge line, whereby the rear bottom section will be braced by connected portions of said rear side sections from the hinge line rearwardly, the portions of said front side sections extending rearwardly of the plane of said hinge line being arranged to cooperate with the sides of the casing member as guides, and the terminal portions of such rear portions being arranged to cooperate with the top of the casing member to limit depression of the front sections of the sliding member.

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