April 9, 1929. M. F. MACDONALD 1,708,479

SOUVENIR

Filed Aug. 23, 1927

FIG. 1

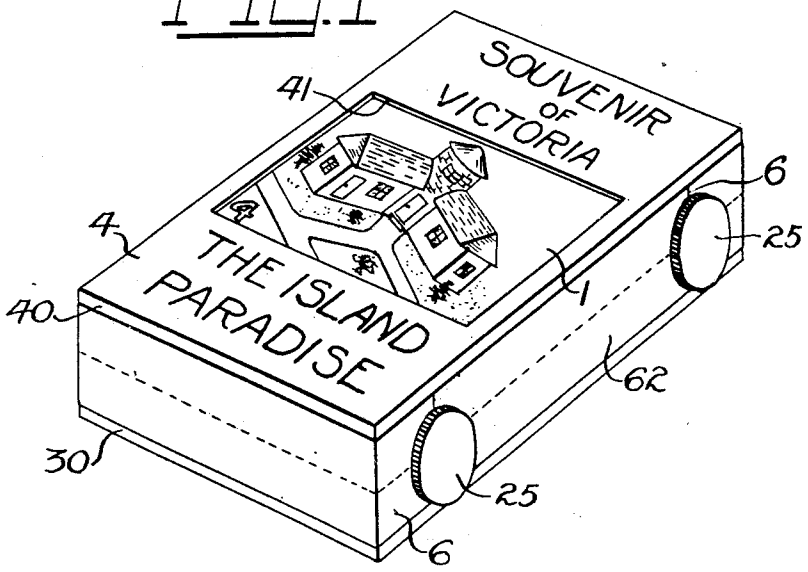


FIG. 2

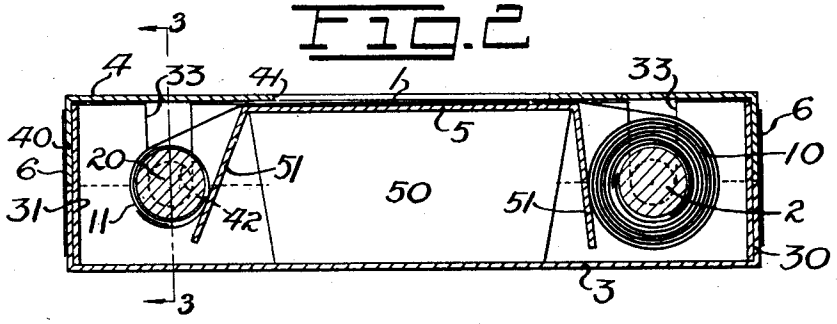


FIG. 3

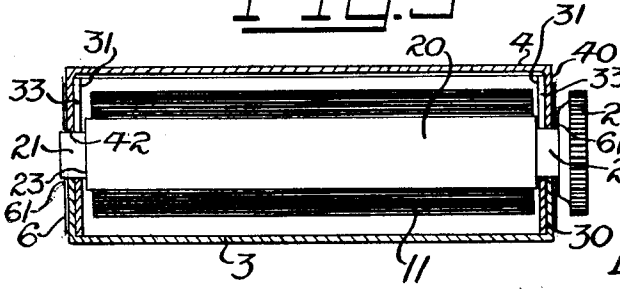
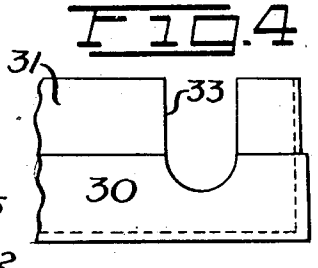


FIG. 4



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UNITED STATES PATENT OFFICE.

MAYNARD F. MACDONALD, OF VICTORIA, BRITISH COLUMBIA, CANADA.

SOUVENIR.

Application filed August 23, 1927. Serial No. 214,870.

My invention relates to an improvement in picture display devices intended for sale as souvenirs to tourists and the like who wish to have in compact and convenient form, ready for mailing, pictures of the places visited by them.

Such a device must be cheaply made up, that is to say, it must be made up of inexpensive materials and prepared for assembly in a way that will permit it to be sold for a low price. It must also display the pictures in a pleasing way and without great difficulty in the manipulation of the device. From this it will be seen that it is the object of my invention to provide a device of the sort described, for display of pictures arranged on a strip of paper, which can be cheaply made of inexpensive materials, easily assembled, convenient and simple in operation, and of such size and shape that it can readily be shipped by mail or otherwise.

It is a further object to provide simple, inexpensive, yet effective means to prevent unwinding of the roll of pictures by accident.

My invention comprises the novel parts and the novel arrangement thereof for the purpose intended, as will be hereinafter described and more particularly claimed in the claims at the end of the specification, and as shown in the accompanying drawings.

In the accompanying drawings I have shown my invention in a form which is now preferred by me, it being understood that the various parts may take other and different forms without departing from the scope of my invention as defined by the appended claims.

Figure 1 is a perspective view of my device.

Figure 2 is a longitudinal section through the device.

Figure 3 is a transverse section substantially on the line 3—3 of Figure 2.

Figure 4 is a detail in side elevation of the box proper with the cover removed.

The pictures intended for display are arranged from end to end of a strip of sensitized paper, or are secured upon a strip of paper, by means of which they can be arranged in rolls. Such a strip is indicated at 1 in the drawings, the rolls at opposite ends being indicated at 10 and 11. Conveniently these rolls are secured to and supported upon spindles 2 and 20. The manner of securement may be any found suitable or desirable, but may conveniently be by means of a strip of gummed paper secured to the end of the picture strips and then to the spindle, the strip being then wound upon the spindle, as indicated at the left in Figure 2. It will be understood, of course, that any convenient manner of securing the picture strip 1 to the spindles 2 or 20 may be employed, provided it is inexpensive to make or assemble. It will be understood, too, that sufficient leader at the end of the strip, that is to say, sufficient blank space, must be left so that the strip will not be turned far enough to tear the ends of the strip off of the spindle.

For the support and display of the pictures thus arranged, I provide a box 3, having side and end walls 30 and a positioning strip 31 within the walls 30 engageable with the flanges 40 of a cover to position the cover in place and to permit the flanges 40 to come flush with the walls 30 of the box. This strip 30 may extend upwards to contact with the cover. The cover 4 is provided with a window 41, of a size and positioned between its ends so as to permit the display of a single picture therethrough as the strip passes from one spindle 2 to the other 20.

To maintain the pictures in proper position relative to the window 41, I may provide a table 5 or like guide means suitably supported within the box, over which the strip connecting the rolls 10 and 11 is passed. As the box would ordinarily be made of cardboard or straw board, and as such a table could also be made of like material, its support and positioning may be arranged by bending downwardly its sides 50, so that they contact with the bottom of the box, and gluing them to the sides thereof. At the same time I may form end flanges 51 by scoring and bending at the ends of the box. These flanges 51 will tend to return to the plane of the table 5, by reason of the resilience of the cardboard, and in order that no restriction may be placed on this tendency, I prefer that they be slightly shorter than the side flanges 50, so that they will not engage the bottom of the box. In conjunction with the ends 30 of the box these flanges 51 define roll-receiving chambers, into which the spindles and their rolls 10 and 11 may be received, and because of their tendency to fly upwards, they will engage the spindles, or the rolls thereon, and by their friction they will prevent unrolling of the rolls when the spindles are left free. Thus, too, the roll-receiving chambers are variable in size, to accommodate large or small rolls.

Other means for exerting a frictional drag on the rolls might be employed, but by the arrangement described these drags are formed in one piece with the table, and are properly located when the flanges 50 contact with the bottom of the box, and are glued thereto. This greatly simplifies manufacture and assembly of the souvenir, and takes advantage of the natural resilience of bent carboard.

To support the spindles, which preferably are made of wood, and which have reduced portions 21 and 22 at their opposite ends, the intervening portion being substantially of the width of the inside of the box between the positioning strips 31, the side walls 30 and positioning strips 31 of the box proper are notched at 33, as indicated in Figure 4, adjacent the corners. These notches are aligned in pairs and cooperate to provide support for the reduced portions 21 and 22 of the spindles. The shoulders 23 at the ends of the spindles prevent it from moving longitudinally and thus being dropped out of these notches 33. To maintain the spindles in the notches 33, the flanges 40 of the cover are similarly notched, as indicated at 42, and these notches 42, cooperating with the notches 33, form a substantially circular bearing aperture for the reduced portions of the spindles.

With the picture strip first secured on the spindles 2 and 20, these are placed in their respective bearing apertures, or rather in the notches 33, and the cover 4 is then placed on the box, its side flanges coming flush with the side walls 30 of the box, as has been explained, and its notches 42 coming into registry with the notches 33 to complete the bearings for the spindles and to retain them in place. The shoulders 23 of the spindles, as has been explained, prevent endwise movement thereof and thus prevent disengagement of the spindles so long as the walls of the box and cover do not bend unduly. Inasmuch as there is a double strip or thickness of the box wall, and as the bearing apertures are located adjacent the corners, there is little likelihood of this. However, it must be kept in mind that the spindles should not project unduly, at least at one side of the box.

Now, to secure the entire assembly and to prevent its coming apart accidentally or by design, I provide a strip 6, in the nature of a binding strip, of a width to bind the flush flanges 40 of the cover and the side walls 30 of the box. As the spindles project at one end to provide the handle disc 25 for turning them, and as they project ever so slightly at the opposite end to insure that they will be retained in place, the strip 6 is cut out, as indicated at 61 in Figure 3, so that it does not bind upon the reduced end 21 of the spindle which projects at this side. It ends adjacent the handle discs 25, and a short strip 62 extends therebetween. This binding strip may be gummed or it may be applied through the use of glue or like adhesive, and when thus applied, it securely holds the cover in place upon the box.

What I claim as my invention is:

1. A souvenir picture-strip display container comprising a box having a cover-positioning strip, a flanged cover fitting thereon and having a window for the display of a picture, the sides of the box and cover lying flush, and the side edges of said box and the side flanges of the cover being complementally notched, adjacent the corners, two strip-receiving spindles each received in opposite apertures thus formed, and having external handles engageable for rotation, and a gummed paper strip apertured to fit over said handles and the opposite ends of said spindles, and secured to the side edges of said box and cover.

2. A souvenir picture-strip display container comprising a box having an internal cover-positioning strip upstanding from its walls, and a cover having flanges engaging said strip and lying flush with the walls of the box, one face of said container having a window for the display of a picture, the opposite side walls of said box, adjacent the corners, and the positioning strips having notches therein, the flanges of the cover having complemental notches, said notches forming two pairs of opposite bearing apertures, two wooden spindles shouldered at their ends, the reduced portions bearing in the respective bearing apertures, and their shoulders engaging the inner surfaces of the said positioning strip, each of said spindles being adapted to have an end of a picture strip secured thereto, and handle disks integrally formed on one end of each spindle for turning the same.

3. A souvenir picture-strip display container comprising a box having an internal cover-positioning strip upstanding from its walls, and a cover having flanges engaging said strip and lying flush with the walls of the box, one face of said container having a window for the display of a picture, the opposite side walls of said box, adjacent the corners, and the positioning strips having notches therein, the flanges of the cover having complemental notches, said notches forming two pairs of opposite bearing apertures, two wooden spindles shouldered at their ends, the reduced portions bearing in the respective bearing apertures, and their shoulders engaging the inner surfaces of the said positioning strip, each of said spindles being adapted to have an end of a picture strip secured thereto, handle disks integrally formed on one end of each spindle for turning the same, and a table having downwardly flanged supports at its ends secured to the walls of the box, said table being located beneath the display window in the cover.

4. The combination, in a souvenir picture-

strip display container, of a box, a cover therefor having a display window, a pair of strip-carrying spindles journaled in said box, one at each end of said window, a guide table of cardboard or like material in said box beneath said window, and downwardly-bent flanges at the ends of said table defined by scoring along their upper edge, and tending to return to the plane of said guide table, said flanges frictionally engaging the adjacent spindles, or the strip wound thereon, to deter unwinding of the strip.

5. The combination, in a souvenir picture-strip display container, of a box, a cover therefor having a display window, a pair of strip-carrying spindles journaled in said box, one at each end of the window, a strip-guiding table having end and side flanges bent downward from its edges, said side flanges being secured to the box walls to position the table immediately below the display window and between the spindles, and said end flanges being of less width than the distance from the table to the bottom of the box, whereby they swing freely from the table and tend to return to the plane of the box, and so disposed within the box as to frictionally engage the adjacent spindle or the strip rolled thereon.

6. The combination, in a souvenir picture-strip display container, of a box, a cover therefor having a display window, a pair of strip-carrying spindles journaled in said box, and means hingedly supported towards each end of the box, and yieldingly urged outwardly, to define two expansible roll-receiving chambers, the spindles passing therethrough.

Signed at Victoria, Province of British Columbia, Dominion of Canada, this 17th day of August, 1927.

MAYNARD F. MACDONALD.