Jan. 19, 1932. C. T. TOLLEFSEN 1,841,652

RECORD AND INDEX CARD SYSTEM

Filed Feb. 24, 1930 2 Sheets-Sheet 1

Fig. 1.

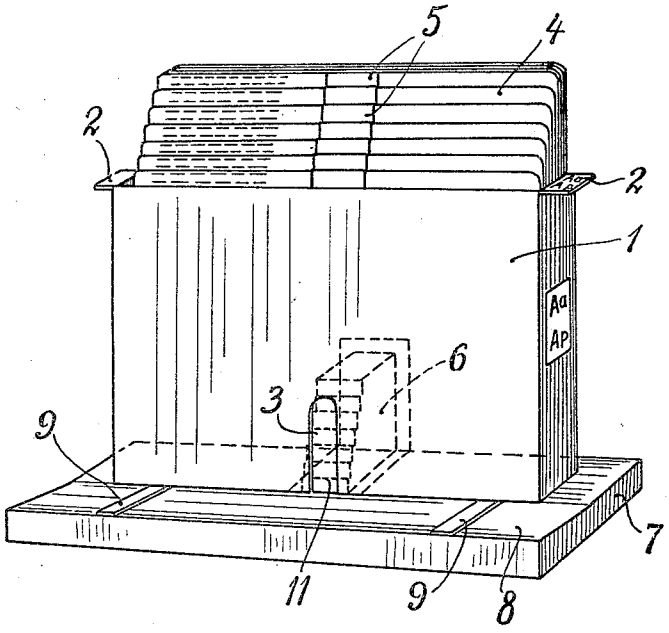
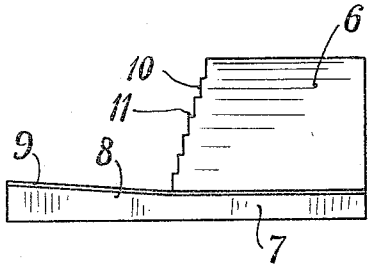


Fig. 2.



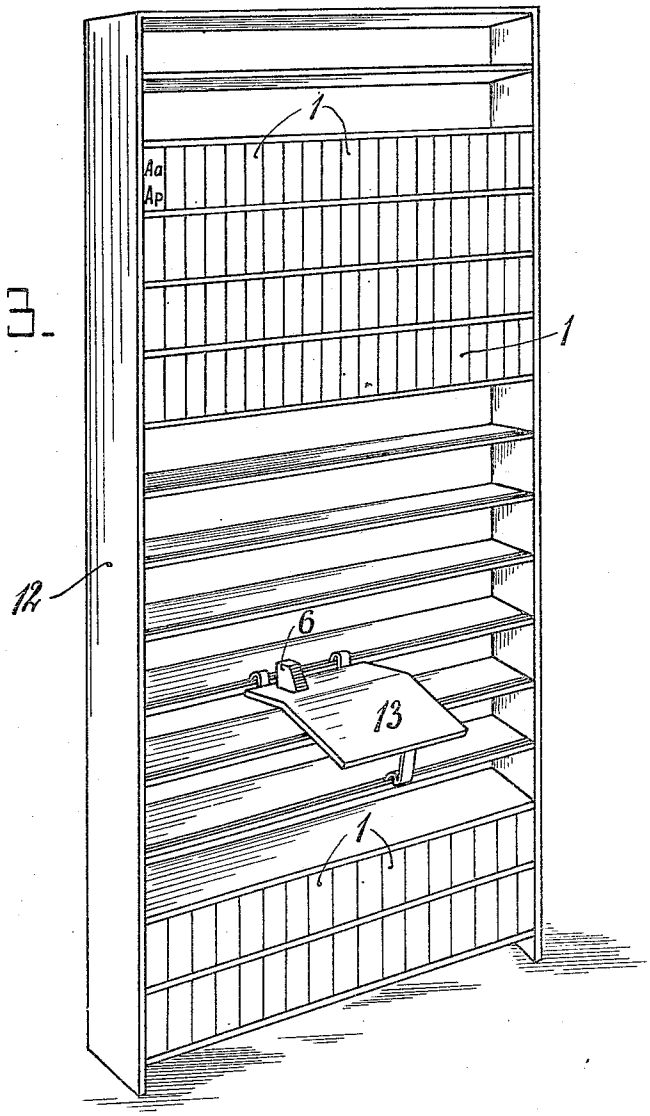
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Fig. 3.



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UNITED STATES PATENT OFFICE

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RECORD AND INDEX CARD SYSTEM

Application filed February 24, 1930, Serial No. 430,992, and in Poland January 17, 1930.

In the U. S. A. application 378,417, filed July 15, 1929, a record and index card system is described, the essential feature of which is distinguished by this, that the record and index cards are provided on their central parts with smooth ribbons, extending from the bottom edge to the top edge of the card.

The present invention has for its object to provide a device for receiving and manipulating such cards.

One purpose of the invention is to provide a suitable box for receiving the said cards.

Another purpose is to provide a special shelf for supporting the several boxes so that any desired box may be removed from the same for examination of a special card or making notes on the same.

A further purpose is to provide an improved card raising device by means of which the cards are manipulated easier than in known devices of this kind.

A further object is to provide a simple construction which may be easily manufactured at a low price.

The invention is illustrated in the accompanying drawings in which:

Fig. 1 shows a perspective view of a box according to the invention after being placed upon the raising device.

Fig. 2 is an end view of the card-raising device.

Fig. 3 is a perspective view of a box case for supporting card boxes and provided with a suitable manipulating desk.

In the drawing 1 designates a card-receiving box adapted to be placed in a suitable box case 12 as shown in Fig. 3. The box is rectangular in shape, and it is placed so in the case that one of its short vertical sides, viz: that shown at the right-hand side in Fig. 1 is directed forward in the said case. This side is termed hereinafter the exposed end side of the box. The opposite end side consequently will be directed toward the case back.

The exposed end side is provided at top with an outwardly directed flange 2 having a height from the bottom most possibly equal to the free vertical space between the two case shelves between which the box is inserted. Thereby the row of boxes placed in said space will fairly close the same, whereby the cards contained in the boxes are protected against dust.

The vertical box end side located opposite to the exposed one (at the left in Fig. 1) has a somewhat smaller height than the exposed side and is provided at top with a similar outwardly directed flange 2. Consequently the flange 2 of the exposed end side has a greater distance from the box bottom than the corresponding flange of the opposite end side. This arrangement facilitates the handling of the boxes in the case 12.

From front to back the box has in its bottom and back side a central slot, as indicated in dotted lines in Fig. 1. The width of the cards corresponds to the inner width of the box, whereby the cards obtain a suitable guidance. 3 designates a front inspection aperture.

The cards 4 are provided with celluloid strips 5, the ends of which are bent over the top and bottom edges of the cards and are inserted into slots made in the cards as described in application 378,417.

In Figure 2, 6 designates the card-raising block which is attached to a plate 7, the front part 8 of which preferably slopes somewhat upwards toward the front. 9 designate card-supporting ridges preferably made from metal and attached to the upper side of said front part 8 of the plate 7.

The front edge 10 of the raising block is sloping and is provided with a number of teeth 11 each adapted to support a single card during the manipulation.

When the box is placed by means of the bottom slot upon the raising block 6, the cards will be raised and thereby the cards resting along the front of the raising block will take up a stepped position so that names on the margins of the cards will appear clearly above each other.

When now the box is moved forward, or the block 6 moved backwards, the cards will gradually drop and new cards appear.

On the side flanges 2 of the box may be placed indicating letters so that the box may be placed at once correctly relatively to the

raising block and the desired card appear immediately.

Practically the boxes are placed in a case 12, which is provided with a desk 13 which is adapted to be supported by the edges of two shelves as clearly shown in Fig. 3, the support being so arranged that the desk may be moved horizontally in the longitudinal direction of the said shelves. The desk has a horizontal part upon which a similar card-raising block 6 is fixed and a downwardly sloping part for writing on the cards.

As the boxes may be placed in the case or removed from the same whether the place of the box is near to the floor or at a considerable height, a very great number of cards may in this way be placed on a limited wall space.

It will be understood that the invention may be modified in many ways. As an example may be mentioned that the desk with the raising block may be hinged to a wall so that it may be turned downward when out of use.

Further the raising block may be placed movably on its desk. In this event the desk is preferably provided with projections against which the box should strike in its correct position during the manipulating of the raising block.

Claims:

1. In a record and index card system for receiving cards, a card-receiving box having a central longitudinal slot in the box bottom from front to back and a vertical slot in the box back wall to a certain distance above the bottom, said back slot forming a continuation of said bottom slot.

2. In a record and index card system for receiving cards, a card-receiving box having a central longitudinal slot in the box bottom from front to back and a vertical slot in the box back wall to a certain distance above the bottom, said back slot forming a continuation of said bottom slot, and the front wall of the box being provided with an inspection opening.

3. In a record and index card system for receiving cards, a card-receiving box having a central longitudinal slot in the box bottom from front to back and a vertical slot in the box back wall to a certain distance above the bottom, said back slot forming a continuation of said bottom slot, the two opposite end sides of the box being provided with outwardly turned top flanges at different heights in each case from the box bottom.

4. In a record and index card system for receiving cards, a card-receiving box having a central longitudinal slot in the box bottom from front to back and a vertical slot in the box back wall to a certain distance above the bottom, said back slot forming a continuation of said bottom slot, and the front wall of the box being provided with an inspection opening, the two opposite end sides of the box being provided with outwardly turned top flanges at different heights from the box bottom.

5. In a record and index card system for receiving cards, a card-receiving box having a central longitudinal slot in the box bottom from front to back and a vertical slot in the box back wall to a certain distance above the bottom, said back slot forming a continuation of said bottom slot in combination with a card raising block adapted to be inserted in the said slots and having stepped retaining teeth for the card edges and having a base with an upwardly inclined front part.

6. In a record and index card system for receiving cards, a card-receiving box having a central longitudinal slot in the box bottom from front to back and a vertical slot in the box back wall to a certain distance above the bottom, said back slot forming a continuation of said bottom slot, in combination with a card-raising block adapted to be inserted in the said slots and having stepped retaining teeth for the card edges and having a base with an upwardly inclined front part, a supporting plate for the block having its front part sloping upwards and provided on its top surface with box-supporting ridges adapted to facilitate the movement of the box upon the plate.

7. In a record and index card system, a card-receiving box of rectangular shape, each of its opposite end sides being provided with an outwardly directed top flange, the height of one flange from the box bottom being different from that of the opposite flange.

8. In a record and index card system for receiving cards, a card-receiving box having a central longitudinal slot in the box bottom from front to back and a vertical slot in the box back wall to a certain distance above the bottom, said back slot forming a continuation of said bottom slot, the box having each of its opposite end sides provided with an outwardly directed top flange, the height of one flange from the box bottom being different from that of the opposite flange.

9. In a record and index card system for receiving cards, a card-receiving box having a central longitudinal slot in the box bottom from front to back and a vertical slot in the box back wall to a certain distance above the bottom, said back slot forming a continuation of said bottom slot, the box having each of its opposite end sides provided with an outwardly directed top flange, the height of one flange from the box bottom being different from that of the opposite flange, in combination with a card raising block adapted to be inserted in said slots and attached to the upper surface of a desk.

CARL THORLEIF TOLLEFSEN.