June 6, 1933. J. C. DAWSON 1,913,152

CATALOGUE BINDER

Filed June 27, 1930

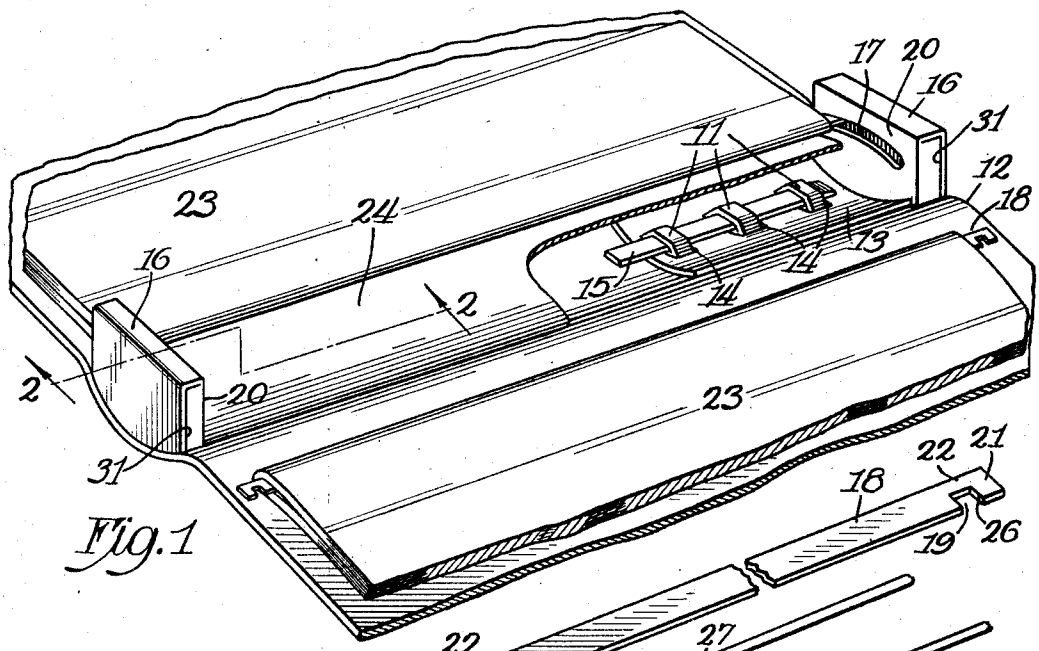


Fig. 1

Fig. 4

Fig. 5

Fig. 6

Fig. 2

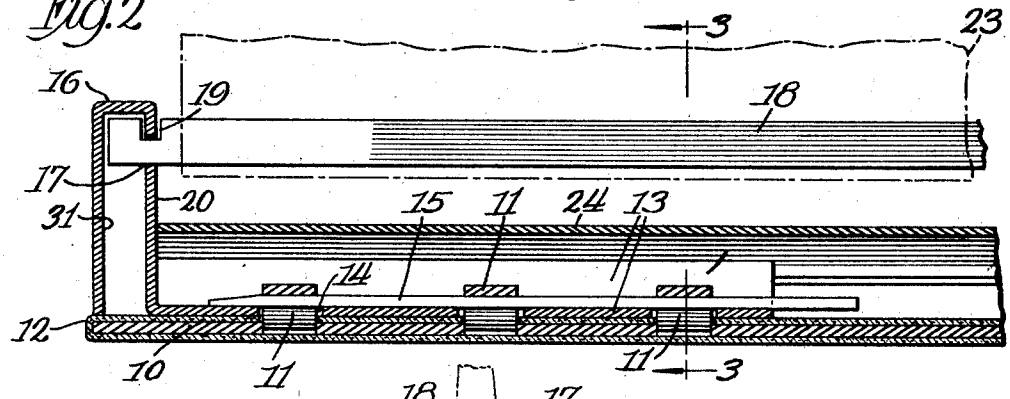
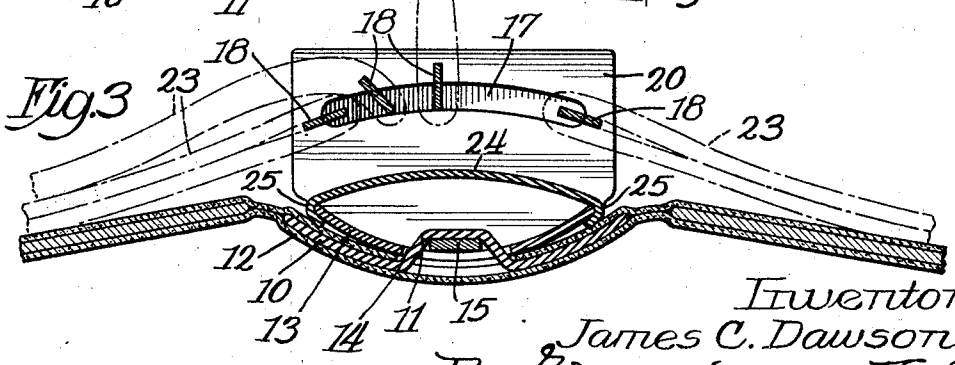


Fig. 3



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UNITED STATES PATENT OFFICE

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CATALOGUE BINDER

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Among the objects of the invention is the provision of simple means to hold catalogues or folded sheets securely, but detachably between the covers of a book; to provide a binder which may be readily assembled with standard loose leaf covers and which may be attached to a number of sizes of covers without the necessity of carrying catalogue binder parts in stock for each cover size required; and to provide means for retaining the catalogue which has a minimum number of parts and which avoids the use of latches, retainer rings or slotted locks.

These and other objects of the invention will become apparent from the specification and the appended drawing, in which

Fig. 1 is a perspective view of the catalogue binder with a broken away section showing the method of retaining the binder plate to the book back;

Fig. 2 is a section through the binder on the line 2—2 of Fig. 1;

Fig. 3 is a section through the binder on the lines indicated;

Fig. 4 is a perspective view of the preferred form of catalogue holding bar;

Figs. 5 and 6 illustrate the end sections of alternative forms of such bars.

In its simplest form, the invention comprises a book back with a bar engaging member formed from an upstanding plate at either end of the back. The members are slotted transversely and between them and carried in the slots are a number of flexible metal bars or wires on which the catalogues or folded sheets are hung.

Essentially also, each end of the bars carries an arm bent or formed substantially at a right-angle to the body portion. On being slipped through the slot, the arm engages the remote face of the plate and unless the bar is twisted to throw the arm parallel to the slot and simultaneously is shortened by being sprung up from the middle, the bars cannot be disengaged from the slots.

With reference to the Figures 1 to 4 illustrating the preferred form of my invention, the back 10 is provided with a plurality of lugs 11 in loop form which extend through the fabric covering 12. A plate 13 is provided with a plurality of slots 14 adapted to engage the lugs and is held in position by a key 15 which passes under the lugs and over the plate. The transversely slotted plate, indicated by 20, which was discussed above, is attached substantially at a right angle to the outer end of the plate 13. For protection and appearance, it is desirable to provide a cover for the exposed ends of catalogue holding bars and this may be done either by using a separate part or by forming the plates 20 into the box-like structures 16 shown. In such a case, the retaining slot 17 is cut across the inner face of the box. The boxes are finished upon all surfaces as they form the ends of the book.

The plate 13 may be continuous and bear the boxes 16 on either end, or as shown, two short plates each of sufficient length to engage the lugs at one end of the back, may be used. Where this is the case, the construction has the very great advantage of being usable with many different sizes of books.

A thin metal strip 18, forming the catalogue-holding bar, as shown in Fig. 4, bears a notch 19 cut adjacent either end to form the arms 21, 21. The width of the metal in the space 22 between the bottom of the notch and the back of the bar is slightly less than the width of the slot 17. As shown in Fig. 1, the catalogue 23 is slipped over the bar and the two ends are bent towards each other until the bar is so shortened that it may snap into the slots 17, 17 and be held in place therein. As is illustrated in Fig. 3, the bars may turn in the slot and hence the catalogue may take any of the positions shown without restriction of the motion, or binding or sticking of the bars.

When the box form of bar retainer is to be used and flat bars are provided, it is advantageous to make the bars but slightly shorter than the distance between the inner opposing faces 31 of the outer walls of the boxes. The notches 19 should then be made wide enough to allow the end 30 of the arm 21 to engage either of the faces 31, depending upon the direction of pull exerted upon the bar.

The device may be finished by providing a

spring cover plate 24 having inwardly extending hooked flanges 25 which snap over the outer margins of the plate 13.

When the bar is turned parallel with the slot and the catalogue is lifted in the middle, the bar may be readily snapped out of place.

The alternative form shown in Fig. 5 substitutes a wire 27 for the flat bar shown. The arm for holding the bar in place is provided by the rectangularly bent section 28.

A T-head arm is provided in the form shown on Fig. 6. The extension 32 is welded or otherwise affixed to the end of the wire 29.

In all forms of bars, it is desirable that the metal shall be stiff but capable of being bent to a reasonable degree without permanent deformation from its original shape. The length of the bars being greater than the distance from the outer wall of each box to the inner wall of the other box, the bars are prevented from disengagement from the box without flexure even though they may be turned to bring their arms in register with the slots.

I claim as my invention:—

1. In a binder in combination, a back, a box-like structure rising from each end of the back and each having an arcuate transverse slot in its inner face, sheet holding bars projecting into the slots each having lateral arms at its ends, each of the arms extending above the slot with which it is associated.

2. In a binder in combination, a back, a box-like structure rising from each end of the back and each having an arcuate transverse slot in its inner face, sheet holding bars projecting into the slots each bar having lateral arms at the ends thereof, said arms extending above the slots, the length of the bars being less than the distance between the outer walls of the structures.

In testimony whereof I affix my signature.

JAMES C. DAWSON.