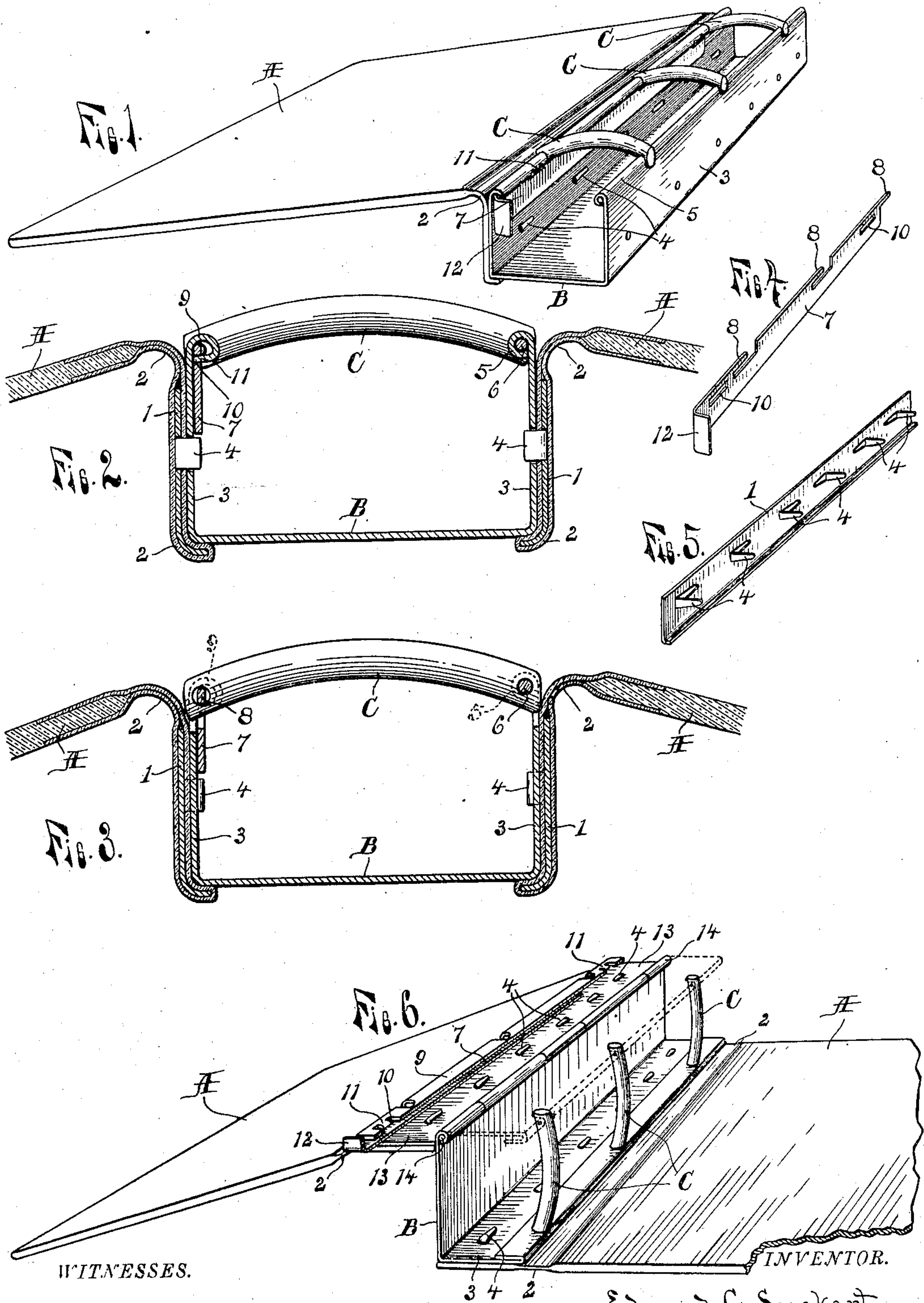


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PATENTED MAY 9, 1905.

E. C. SUCKERT.
TEMPORARY BINDER.
APPLICATION FILED JUNE 25, 1904.



WITNESSES.

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TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 789,185, dated May 9, 1905.

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To all whom it may concern:

Be it known that I, EDWARD C. SUCKERT, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Temporary Binders, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to improvements in temporary binders, and especially to that class of binders known as "loose-leaf" ledgers; and its object is to provide a very simple, cheap, and efficient construction having no detach-
15 able parts liable to become loose or broken and which is so arranged as to greatly facilitate the insertion and removal of the leaves.

A further object of the invention is to provide very simple and cheap means for detach-
20 ably securing the covers of the back and to provide certain other new and useful features, all as more fully hereinafter described, reference being had to the accompanying drawings, in which—

25 Figure 1 is a perspective view of a device embodying the construction, showing the same in an open position with one of the covers removed. Fig. 2 is an enlarged cross-section of the device through one of the spurs for se-
30 curing the securing-strips which fasten the covers to the back. Fig. 3 is a similar section through one of the binding-fingers. Fig. 4 is a perspective view of the securing-slide; Fig. 5, a similar view of the securing-strip
35 for the covers; and Fig. 6 is a perspective view of a slightly-modified form of binder, showing the same in position for the insertion of the leaves.

As shown in the drawings, A represents the
40 covers, attached to the sheet-metal back B by providing suitable sheet-metal strips 1, which are inclosed in flexible strips of leather 2 or other suitable material secured to the edges of the covers to form flexible connections or
45 hinges therefor, and these strips are secured to the side flanges 3 of the back B by striking up from each of said strips a series of prongs 4, which extend through the leather strip and through openings provided therefor in each
50 of the said flanges and are bent down or

clenched on the inner side thereof, thus providing cheap and efficient means for securely attaching the covers to the back in such a manner that they may be detached, if desired. The lower edge of each securing-strip is turned
55 inward beneath the back to prevent the metal from contacting with the desk or table.

C represents the binding-fingers, each consisting of a solid rod provided near each end with a transverse opening and curved through-
60 out its length. The binding-fingers are pivotally secured at one end to one of the flanges 3 of the back by forming an inwardly-turned edge or eye 5 on the flange and cutting away por-
65 tions of said eye to receive the ends of the binding-fingers and then running a suitable rod or pintle 6 through the eye and the openings in the binding-fingers. At their opposite ends the binding-fingers are detachably secured to
70 the opposite flange 3 by a slide 7, formed of sheet metal and provided with integral longitudinally-extending fingers 8, adapted to be projected through the openings in the ends of the binding-fingers when the slide is moved
75 longitudinally. Said slide is secured to the flange by turning or rolling the upper edge 9 of the flange over the upper edge of the slide to form a guide therefor and by providing the slide with longitudinal slots 10 and form-
80 ing lugs 11 on said edge 9, which lugs are turned inward through the slots in the slide. Said slide is held in place and at the same time permitted to move longitudinally a limited distance to engage and disengage its fin-
85 gers 8 with the openings in the binding-fingers to hold or release the same. One end of the slide is turned inward at 12 to form a finger-hold, by means of which it is operated.

In the modified construction of Fig. 6 the upper edge of one of the flanges 3 is formed
90 by folding the metal inward and down upon itself, and the binding-fingers are rigidly secured at one end to this flange by riveting or otherwise securing the same in openings formed in said flange in a position to extend
95 across between the flanges, and the opposite flange 13 is connected to the back by a hinge 14, formed by turning eyes on the edge of the back and flange and providing a pintle to engage said eyes. The leaves are therefore
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released or inserted by moving the slide to disengage its fingers from the openings in the ends of the binding-fingers and then turning the flange 13 on its hinge out of the way. The binding-fingers, being rigidly secured to the flange, greatly facilitates the insertion or removal of the leaves, as, by placing the binding-fingers in the position shown in Fig. 6 with the same extending vertically, they are held rigidly in alinement and in the most convenient position for slipping the leaves in place thereon or removing the same.

The described manner of securing the covers to the back is cheap and permits the same to be readily detached and others substituted when they have become worn or it is desired to change the markings on the book and by providing the slide for locking the binding-fingers, which is permanently attached to the back, there are no detachable parts liable to become lost, and the parts are all stamped from sheet metal.

Having thus fully described my invention, what I claim is—

1. In a temporary binder, the combination with a back having side flanges, of a series of binding-fingers each having an opening at one end and attached at the opposite end to the flange at one side of the back, a slide provided with longitudinal slots, an edge on the flange

at the opposite side of the back which is turned over the slide to form a guide therefor and provided with lugs extending inward through the said slots to secure the slide to the flange, and longitudinally-extending fingers formed integral with the slide to engage the openings in the ends of the binding-fingers.

2. In a temporary binder, the combination of a sheet-metal back formed with an integral flange at one side and eyes at the opposite side, a member to form a similar flange for the back provided with eyes at one edge, a pintle to extend through the eyes on the back and flange to unite the same, a series of binding-fingers rigidly secured at one end to the rigid flange and provided with openings at their opposite ends, a slide having longitudinal slots and longitudinally-extending fingers to engage the openings in the ends of the binding-fingers, an overturned edge on the free edge of the pivoted flange to form a guide for the slide, and integral lugs on said flange to engage the slots in the slide.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD C. SUCKERT.

Witnesses:

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LEWIS E. FLANDERS.