

No. 701,928.

Patented June 10, 1902.

J. H. PARKES.
TEMPORARY BINDER.
(Application filed June 19, 1901.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

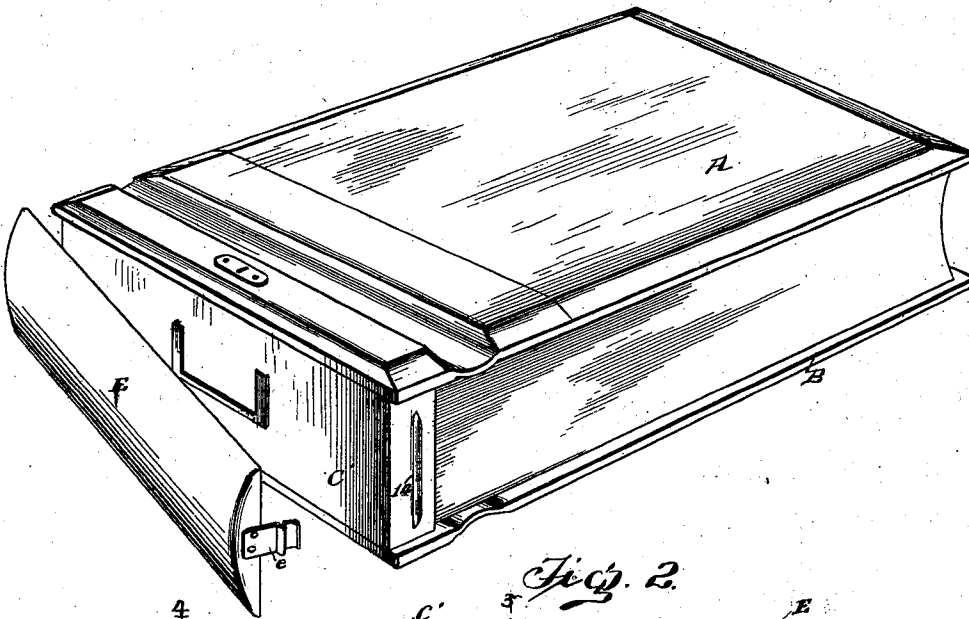
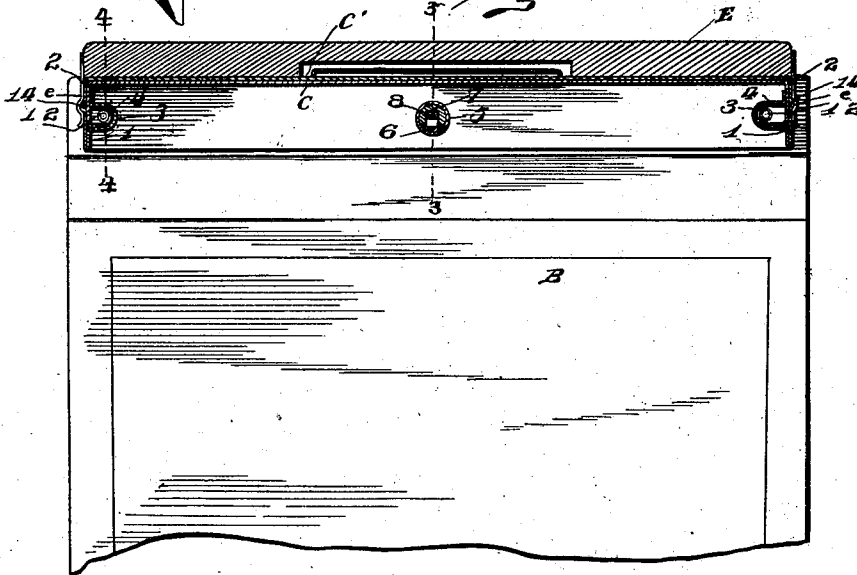


Fig. 2.



With cases

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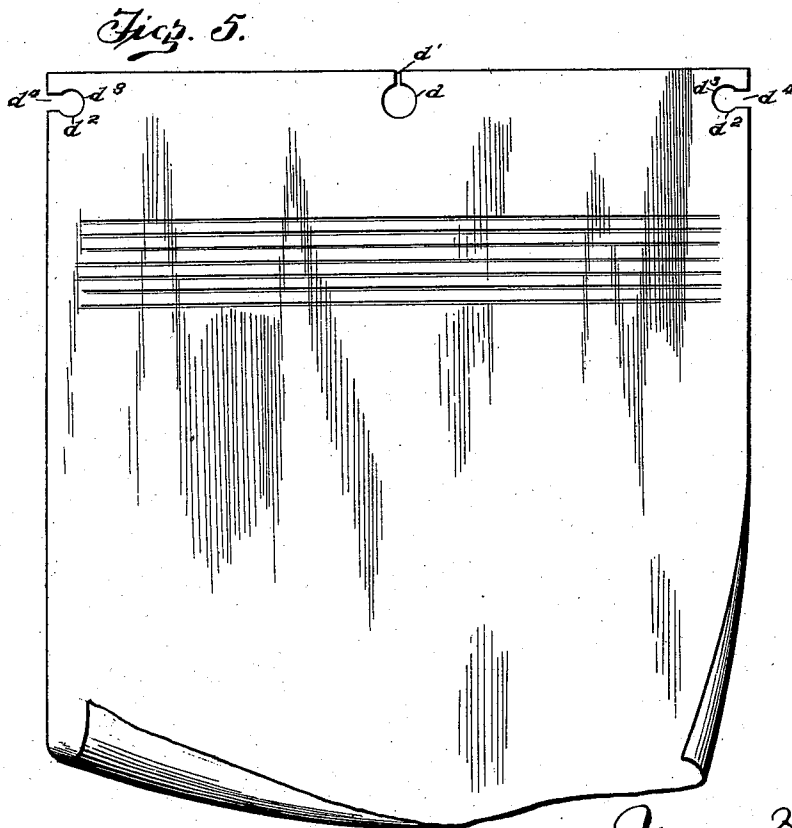
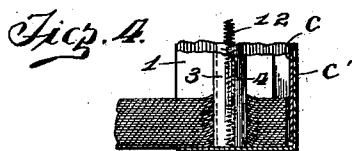
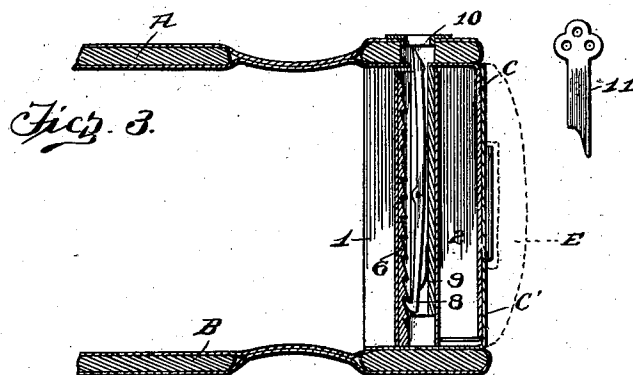
Attorney

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2 Sheets—Sheet 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES H. PARKES, OF NASHVILLE, TENNESSEE.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 701,928, dated June 10, 1902.

Application filed June 19, 1901. Serial No. 65,165. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. PARKES, a citizen of the United States, residing at Nashville, in the county of Davidson and State of Tennessee, have invented certain new and useful Improvements in Temporary Binders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to temporary binders, and particularly to binders of the type designated "loose-leaf ledgers," wherein ledger or other leaves mutually independent are held in fixed relation by a clamping-back, but so as to be capable of removal when desired.

My invention has for its object to improve generally the construction of such ledgers, and particularly to improve the means employed to hold the leaves in the desired relation and back the same in the binder to prevent tampering therewith by unauthorized persons.

A further object is to improve the appearance of the binder by providing a false back adjustable relative to the sides or covers or entirely removable from the binder, whereby the style of back used may be varied at pleasure.

In the drawings, Figure 1 is a perspective view of the binder with the false back detached. Fig. 2 is a central horizontal section. Fig. 3 is a central vertical section on line 3 3 of Fig. 2. Fig. 4 is a detail vertical section taken on line 4 4 of Fig. 2. Fig. 5 is a view of one of the binding-sheets detached.

In the drawings, A and B represent, respectively, the top and bottom covers of the binder, each securely attached to a section of the metallic back-casing.

C and C' are respectively the top and bottom sections of the back-casing, the former telescopically interfitting with the latter and forming therewith a casing open at its inner side only. The end walls 1 1 and 2 2 of the said sections C and C' are provided with inwardly-extending hollow abutments or posts 3 3 and 4 4, respectively, also arranged to fit in telescopic engagement. These abutments or posts are preferably formed integral with the casing-sections, the metal strip forming

the end being doubled back upon itself for a proper distance and then bent to form a post U-shaped in cross-section, as shown in Fig. 2. The rear side of the exterior post of each telescopic pair is not extended clear to the end wall of the casing, but is slightly separated therefrom to leave an opening to receive the end wall of the interior section. Thus the exterior back-section forms a socket to receive the interior section and the relative movement of the two is limited to a single direction.

At the middle of the bottom casing-section C' is located a cylindrical post 5, securely attached to the base thereof and extending approximately to its top. This post is exteriorly smooth and provided with an interior ratcheted surface 6, as shown in Fig. 3. The upper casing-section C is provided with a corresponding post 7, substantially semicylindrical in cross-section and arranged to telescope within the post 5, with its open face toward the ratcheted surface thereof. Pivotaly mounted within the post 7 is a dog or pawl 8, held normally in engagement with the ratchet 6 by means of a spring 9 to prevent the separation of the casing-sections. The upper or free end of the pawl extends into proximity to a key-opening 10 in the top of the upper casing, so that it may be actuated by means of a suitable key 11 against the tension of the spring to release the toothed end from engagement with the ratchet 6 and permit the telescoping posts to have free movement relative to each other. Thus when the key 11 is in place the back-sections may be separated to permit the removal of the ledger-leaves, and when the key is removed the sections are positively locked against such movement. I prefer that coiled springs 12 be mounted in the posts 3 3 to bear against the upper casing-section C and assist in the releasing action by automatically raising the upper section as soon as the key is inserted and the pawl moved to an inoperative position.

The leaves employed in connection with this binder are peculiarly cut to engage the posts and themselves form a part of the locking combination. As shown in Fig. 5, each leaf is provided with a perforation *d* midway between its edges of a size to snugly surround

the central post 5, the perforation being connected with the rear edge of the sheet by a slit d' in the usual manner. The edges of the sheet are also recessed or notched at d^2 to receive the abutments or posts 4 4, such recesses being of the keyhole shape shown. The circular portion d^3 of the notch d^2 is of a size to fit snugly the rounded end of the post 4; but the neck d^4 is somewhat narrower than the engaging abutment 3. Thus when the leaf is inserted it does not lie perfectly flat, but the portions of the leaf contiguous to the neck d^4 of the recess are forced to turn up slightly to accommodate the post. When the binder is filled, therefore, and the top section of the casing forced down upon the leaves, they exert a strong spring gripping force upon the posts 4, whereby they are held securely in their places against longitudinal or transverse movement. In this manner I am also enabled to insure that leaves may not be removed from the binder without detection by persons not provided with suitable keys, as it would be impossible to withdraw a leaf intact, and when torn the fragments remaining in place would be inaccessible while the binder remains locked.

The back-casing herein described is flat, as shown, but is preferably finished off as a complete back and provided with the customary label-holder or other identifying means. To add to the appearance of the book, however, and give variety to the style of binding, I prefer that the ledger should be furnished with a false or removable back E, rounded or otherwise differing in style from the flat back. This false back E is secured to the interior casing-section C' by means of spring clamping-arms e , arranged to take over beads or shoulders 14, formed in the end walls 1 of the casing. When so attached, the supplemental back is capable of instant removal and of lateral adjustment relative to the back of the binder to correspond with the expansion thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a temporary binder having a back-casing comprising upper and lower sections, a casing-section comprising a side, a back, end walls, and leaf-holding posts, all formed of a single strip of metal.

2. In a temporary binder the combination with a back comprising relatively movable top and bottom covers, of a hollow post uniting said covers, composed of a pair of telescoping members respectively connected with said covers, a pawl arranged within the post carried by one of the members and engaging the other to retain the members in adjusted positions, and independent means for engag-

ing the pawl to move the same to inoperative position to permit the free movement of the post-sections; substantially as described. 65

3. In a temporary binder, the combination with a back comprising movable back members, and telescoping hollow post-sections carried by said members, the exterior post-section having an interior serrated face, of a pivoted pawl disposed within the hollow post and carried by the interior post-section, one end of said pawl being arranged to engage the serrated face of the exterior section, and independent means engaging the face end of the pawl to release said pawl from engagement with the serrated post-section; substantially as described. 70 75

4. In a temporary binder, the combination with a pair of movable back members, of a pair of telescopic post-sections carried by the back members, one of said post members having an aperture in one end thereof and a serrated portion, and a pivoted pawl arranged within the post and carried by the other section, one end of said pawl being arranged for engagement with the serrated portion of the opposing post-section and its free end extended into proximity to the aperture at the end of the post whereby said pawl may be actuated from the exterior of the binder to release it from engagement with the serrated post-section; substantially as described. 80 85 90

5. In a temporary binder, the combination with a back, of a post carried thereby, a plurality of leaves having apertures formed therein for engagement with said post, the apertures in the respective leaves being so formed that they are similar in configuration, location and dimensions, and having one dimension less than the corresponding dimension of the engaging post, and compression means for said leaves, whereby the leaves are caused to exert a uniform and equally-distributed gripping action upon the post; substantially as described. 95 100 105

6. In a temporary binder, the combination with a cover comprising telescoping casing-sections, one of which is provided with shoulders, 14, a removable back, E, and clamps, e , carried by said back and engaging said shoulders, 14; substantially as described. 110

7. In a temporary binder, the combination with an extensible cover having a fixed back, of a false back removable therefrom, and adjustable relative thereto, substantially as set forth. 115

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

JAMES H. PARKES.

Witnesses:

JO. EDWARDS,
B. R. HUGHES.