

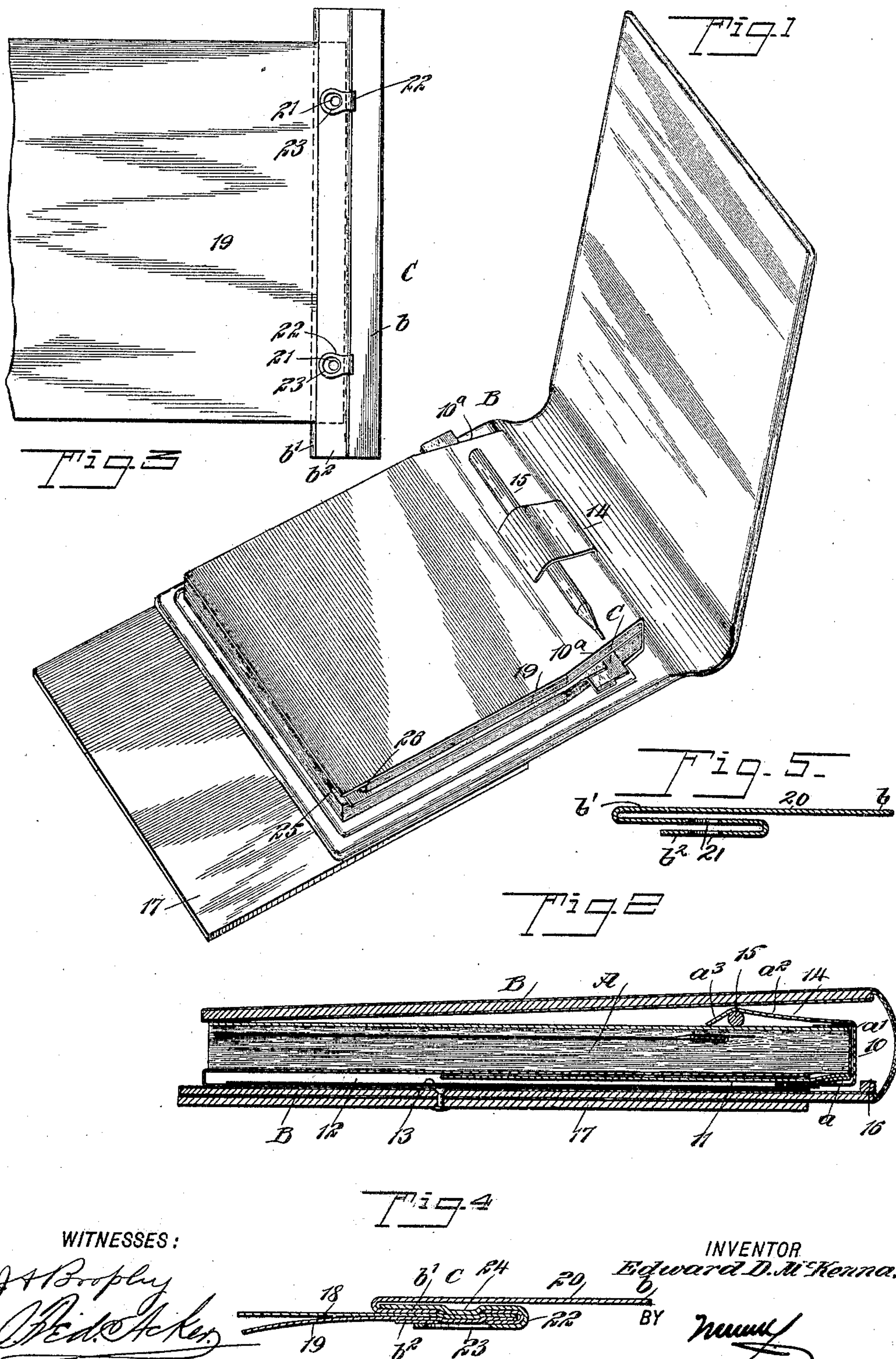
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E. D. McKENNA.
MANIFOLD BOOK.

(Application filed Aug. 1, 1900.)

(No Model.)



WITNESSES:

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MANIFOLD-BOOK.

SPECIFICATION forming part of Letters Patent No. 682,222, dated September 10, 1901.

Application filed August 1, 1900. Serial No. 25,533. (No model.)

To all whom it may concern:

Be it known that I, EDWARD D. MCKENNA, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Manifold-Book, of which the following is a full, clear, and exact description.

One purpose of the invention is to construct an improvement in books for manifolding in which copies of bills, letters, orders, and the like may be quickly made while the original is being prepared and directly from the original.

Another purpose of the invention is to so construct a carbon-holder that the carbon-sheet and accompanying sheet of silk or other fabric may be quickly bound together at one of their edges and the holder be conveniently and quickly placed in position in the book.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved manifold-book. Fig. 2 is a longitudinal section through the book and the temporary binder therefor, the binder or book being in closed position and the rest-board being carried completely under the book. Fig. 3 is a plan view of the carbon binder or holder, illustrating the sheet of carbon carried thereby. Fig. 4 is an enlarged cross-section through the carbon binder or holder and the material attached to it; and Fig. 5 is a cross-section through the carbon binder or holder, the carbon-sheet and sheet of fabric being omitted.

The leaves of the book A in which copies are to be made are bound together at one end, usually by a flexible strip 10, and at the bound edge of the book the side portions are preferably inclined inward from the usual straight sides of the bound edge, as shown at 10^a in Fig. 1, to enable a carbon-holder to be conveniently introduced between the leaves or sheets without soiling the fingers. This carbon-holder will be hereinafter fully described. The book A is provided at its back

with a strip of pasteboard or like material 11, which extends from its bound edge, and this strip is adapted to enter a pocket 12, formed upon the inner face of a member of a temporary binder B, and the two connected members of the binder serve as the actual covers for the book A. In this pocket 12 a number of spare carbon-sheets 13 may be kept, as shown in Fig. 2. A clamp 14 is used in connection with the bound end of the book A. This clamp is of spring metal and may be attached directly to the upper portion of the book at its bound end and extend a desired distance along the upper leaf, or the clamp may be made removable, as illustrated, in which event it preferably consists of a bottom member *a*, which is made to enter the mouth of the pocket 12, as shown in Fig. 2, an upright member *a'*, which extends at the back of the binding-strip 10, and an upper member *a''*, which extends along the upper leaf of the book A, the free or outer member *a'''* of the said member *a''* being given a downward inclination, so that a space will intervene the upper surface of the book A and under surface of the said member *a'''* of the clamp, yet the free end *a'''* of this member of the clamp will always have a decided bearing upon the upper surface of the book.

A pen or a pencil 15 may be held between the upper member of the clamp and upper surface of the book, as illustrated in Figs. 1 and 2, and under such a construction the pen or pencil is always at hand and is not liable to be lost when the book is moved from place to place or when the leaves are to be turned. The clamp 14 occupies a central position between the sides of the book, as shown in Fig. 1, and the clamp and book are prevented from accidentally leaving the temporary binder B by placing a stop 16 on the bottom member of the temporary binder where the said member connects with the upper member, as shown in Fig. 2. When the clamp and book are to be removed, they may be forcibly sprung over the said stop. A board 17 is pivoted to the under side of the bottom member of the temporary binder B, as shown in Figs. 1 and 2, and this pivoted board 17 enables the book to be turned at any desired angle to the user without the user changing his position, as the book can be turned upon the board, the latter resting upon a support, or the said piv-

oted board 17 may at times be utilized as an arm-rest, as a portion of the board can be carried out beyond the unbound portion of the book, as shown in Fig. 1.

5 In Figs. 3 and 4 I have illustrated the preferred form of carbon-holder C, and this holder is adapted to carry a carbon-sheet 19 and in contact with said sheet 19 a sheet 18 of silk or other fabric of light weight. The silk or
10 fabric when employed causes the impression to spread and produces a prominent and clear copy. The silk sheet likewise serves to protect the carbon-sheet to a greater or less extent. The carbon-holder C is made from a
15 strip 20 of any desired material—strawboard or pulp board, for example—and said strip is usually bent upon itself to form a member b and two parallel and narrower members b' and b'' , the said members being produced by
20 folding the strip upon itself, as is particularly shown in Figs. 4 and 5. The carbon-sheet and accompanying silk sheet are introduced into the space between the two narrower members b' and b'' , and in these members
25 near each end alining openings 21 are made. Where these openings are produced in the strip clips 22 are employed, which straddle both of the members b' and b'' of the strip, and each clip is provided with an opening 23
30 in its outer face and with a depression 24 in its inner face, the depressed surfaces of the clips having bearing upon the sheets 18 and 19 at the openings 21 in the holder, tending to force portions of the sheets forward through
35 the said openings. The clips are preferably made of spring metal, and while the form of clip shown and described is that which is preferred the shape of the clips may be changed. The S fold is produced in the carbon-holder
40 in order that the material to be held thereby will be effectually prevented from slipping, and the addition of the clips renders the attachment of the carbon-sheet and accompanying fabric sheet doubly secure, while at the
45 same time new sheets may be conveniently introduced into the holder.

The sheet upon which the letter, bill, or order is to be written is placed upon the carbon-sheet in the holder, and the holder is then
50 forced between the leaves of the book to a point beneath the clamp 14, which tends to prevent both the letter and the carbon-holder from slipping.

At one corner of each leaf in the book a
55 diagonal line of perforations 25 is produced or a deep score is made, so that this corner may be readily removed, as shown at 26 in Fig. 1, and said corner is removed soon after the page has received its impression or copy.
60 By this means a guide is obtained whereby the operator may quickly locate the last copy made and the next page upon which a copy is to be produced.

Having thus described my invention, I
65 claim as new and desire to secure by Letters Patent—

1. A carbon-holder consisting of a strip of material which comprises a long member and parallel shorter members, the said shorter members having apertures therein and being
70 adapted to receive carbon-sheets between them, and spring-clips which straddle the shorter members of the strip, said clips having depressed surfaces adapted to bear against the said shorter members at their apertured
75 portions, as described.

2. A manifold-book, having its side edges at its bound portion inclined in direction of each other, whereby a carbon-holder may be readily introduced into said book and car-
80 ried to the bound portion thereof, as and for the purpose specified.

3. The combination with a manifold-book and its covers or binder, of a spring-clamp constructed of a single piece of spring metal
85 bent upon itself to form a lower, an upper and a connecting member, the lower member being straight and the upper member arched near its front transverse edge, the clamp being removably applied to the bound edge of
90 the book independent of the covers or binder, the upper and lower faces of the book being received between the upper and lower members of the clamp, and a copy-sheet holder placed between the leaves of the book at its
95 bound portion under the action of the clamp, which copy-sheet holder is removable from the book without disengaging the clamp from the book, substantially as described.

4. In a manifold-book, the combination,
100 with a binding having a stop formed upon the inner face of one of its members near the flexible connection between the members, and a pocket formed upon the inner face of the member carrying the stop, of a book pro-
105 vided with a strip at one side arranged to enter the said pocket, and a spring-clamp which straddles the bound portion of the book, engaging with opposite side faces thereof, the upper member of the spring-clamp being
110 arched and its free edge being brought in forcible contact with the upper side of the book, whereby the leaves of the book can be opened only on a line with the upper free end of the clamp, and whereby also a carbon-
115 holder when forced between the leaves of the bound portion of the book will be held in the book by said clamp, the arched portion of the upper member of the clamp providing a receptacle for a pen or pencil as described, the
120 connecting member of the clamp engaging with the said stop, whereby the book is prevented from leaving its binding, although removable therefrom, as specified.

In testimony whereof I have signed my
125 name to this specification in the presence of two subscribing witnesses.

EDWARD D. MCKENNA.

Witnesses:

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EVERARD BOLTON MARSHALL.