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B. J. ROSEWATER.

MANIFOLDING DEVICE.

APPLICATION FILED JAN. 6, 1904.

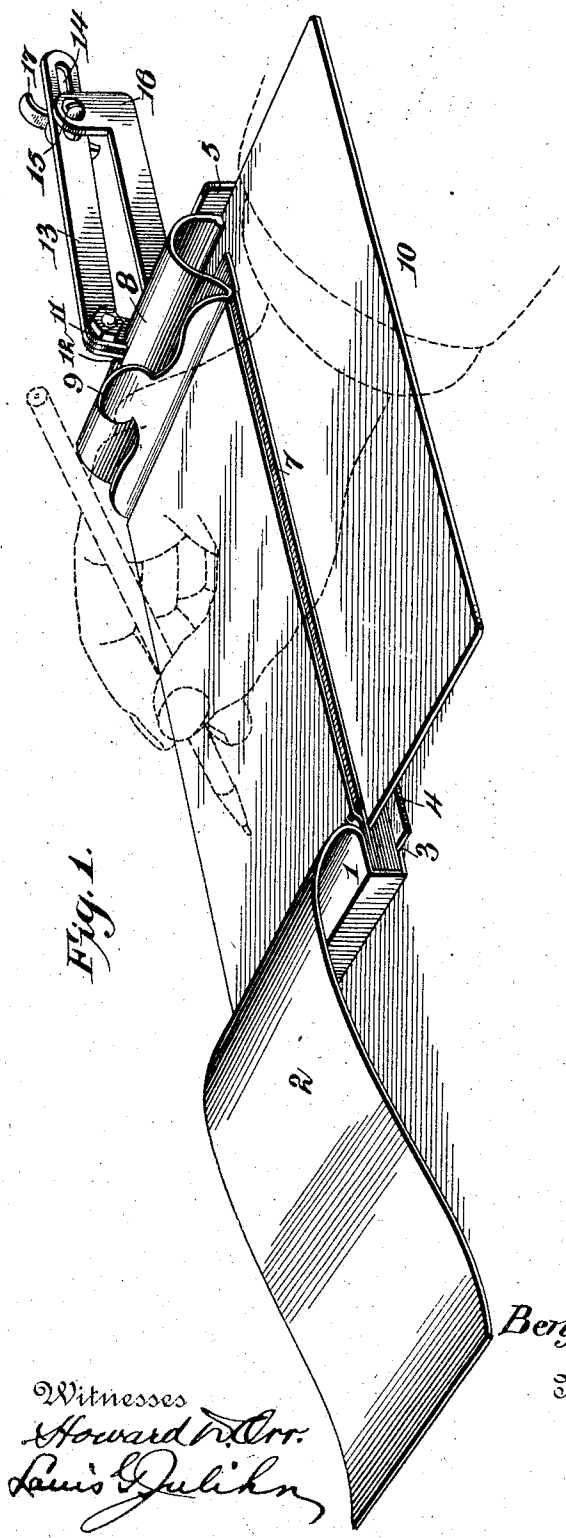


Fig. 1.

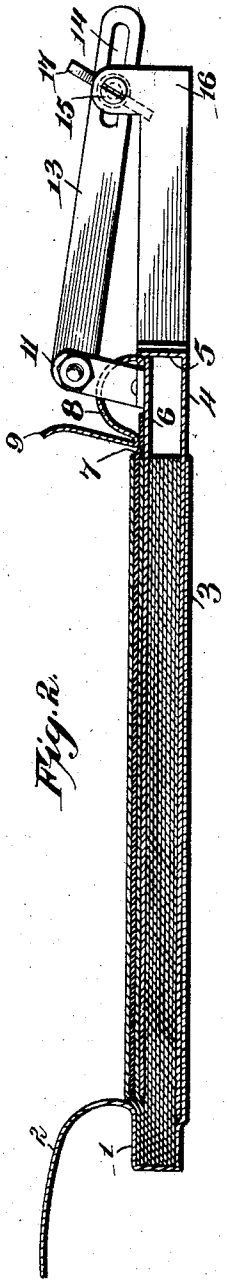


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

BENJAMIN J. ROSEWATER, OF EUREKA SPRINGS, ARKANSAS.

MANIFOLDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 778,273, dated December 27, 1904.

Application filed January 6, 1904. Serial No. 187,934.

To all whom it may concern:

Be it known that I, BENJAMIN J. ROSEWATER, a citizen of the United States, residing at Eureka Springs, in the county of Carroll and State of Arkansas, have invented a new and useful Manifolding Device, of which the following is a specification.

My present invention relates to a novel manifolding device designed to facilitate the manifolding of entries in record or other books in order to obtain one or more copies of checks, receipts, money-orders, and the like.

One object of the invention is to provide a simple device capable of being quickly applied to a record-book of any character and comprising a base-plate for the support of the body of leaves, a platen forming a backing for the record, copy, and carbon sheets, and a carbon-holder carried by the platen to retain the carbon sheet or sheets in proper position.

A further object of the invention is to provide between the base-plate and the platen a flexible connection of novel character which will permit the platen to automatically adjust itself as the leaves of the book are consumed or filled and which will permit the platen to be swung back to facilitate the manipulation of the leaves.

A further object of the invention is to provide a hand-rest by extending the platen beyond the lower edge of the book to facilitate the making of autographic entries therein.

To the accomplishment of the objects stated and others subordinate thereto the invention resides in that construction and arrangement of parts to be hereinafter described, illustrated in the accompanying drawings, and succinctly defined in the appended claims.

In said drawings, Figure 1 is a perspective view of my manifolding device in use, and Fig. 2 is a longitudinal sectional view of the same subject-matter.

Like numerals of reference designate corresponding parts in both views.

1 indicates a record-book of ordinary form having top and bottom covers 2 and 3. My manifolding device comprises a base-plate 4, preferably of light polished metal of the same or slightly greater width than the book and designed in use to be slipped between the lower cover 3 and the body of leaves to serve as a support for the latter and also as means for attaching the device to the book.

Parallel with and slightly beyond the outer end of the book 1 the base-plate 4 is provided with a vertical end flange 5, serving as a guide for one end of a platen 6, designed to support those leaves of the book upon which the original and the copies of an entry are to be made. As shown in Fig. 2 of the drawings, the platen 6 is inserted under the two upper leaves of the book, between which leaves is interposed a carbon-sheet 7, securely clamped at one end to the platen by a carbon-holder 8 in the form of a spring-clip extended across one end of the platen and formed with the thumb-piece 9, by means of which the clamp may be sprung back from the platen to release the carbon-sheet.

The specific form of the carbon-holder 8 may be varied within wide limits; but by preference said holder is formed from a metal plate bent to produce the desired configuration and secured at one edge to the extreme end of the platen 6. Obviously the carbon-holder may be formed integral with the platen, if desired.

The platen 6 forms a smooth hard surface backing the leaves to be written upon and for the intermediate carbon or carbons, and will obviously prolong the life of the carbon and permit a better impression to be obtained than would otherwise be possible.

Money-order and other record books are frequently of considerable thickness, and the making of entries therein is rendered more or less difficult and awkward by the absence of an efficient hand-rest. To obviate this difficulty, I provide the platen 6 with a lateral extension beyond one side of the base-plate 4 to constitute a hand-rest 10, as shown in Fig. 1.

It is necessary to provide for two movements of the platen 6—one permitting its displacement from the book in order to facilitate the manipulation of the leaves and the other to permit the automatic adjustment of the platen to accommodate itself to various horizontal planes as the leaves of the book are used. To obtain these movements, the platen is pro-

vided at one extremity with a substantially vertical bifurcated post 11, extended upwardly through an opening 12 in the carbon-holder and hingedly connected to one end of a link 13, provided at its opposite end with a slot 14 for the reception of a screw 15, projecting laterally from one end of an annular bracket 16, rigid with the base-plate 4 and extending from the end flange 5 thereof. The screw 15 is provided with a clamping-nut 17, by means of which the link 13 may be rigidly secured to the bracket 16, if desired. Ordinarily, however, the nut 17 is screwed up just sufficient to prevent undue movement of the link, while permitting the latter to drop as the platen 6 accommodates itself to successively lower planes.

Assuming the parts to be organized as shown in the drawings, an entry is made on the top leaf of the book and a copy is reproduced on the second sheet through the medium of the interposed carbon retained by the clamp 8. The top sheet having been torn off, the platen is swung up upon its hinge connection with the link 13, the copy-sheet is thrown back, and after the new sheets to be used have been lifted from the body of leaves the platen is permitted to drop back and the new leaves are inserted over and under the carbon. As the leaves of the book are gradually used the platen will drop lower and lower, but will still maintain its parallel relation with the base-plate 4 by reason of the flexible connection comprising the post 11, the link 13, and the bracket 16. By providing the platen with a carbon-holder, as described, failure to make an impression by having the carbon wrong side up is avoided and said carbon is always in position for immediate use. It will be noted, furthermore, that the under side of the horizontal portion of the bracket 16 is disposed in the plane of the under side of the base-plate 4, and thus constitutes a continuation or extension of the latter, also that the elements of the connection between the base-plate and platen—to wit, the bracket 16 and the link 13—are so disposed that they constitute a handle which greatly facilitates the manipulation of the device when the latter is inserted in a book or withdrawn therefrom.

It is thought that from the foregoing the construction, mode of manipulation, and many advantages of my manifolding device will be clearly apparent; but while the present embodiment of the invention appears at this time to be preferable I desire to be understood as reserving the right to effect such changes, modifications, and variations of the illustrated structure as may fall fairly within the scope of the protection prayed.

What I claim is—

1. A manifolding device, comprising a base-plate provided with a flange at one end, a vertically-movable horizontal platen guided by said flange and having its upper surface smooth and unobstructed to support a work sheet or leaf in position to be written upon, and a flexible connection between the plate and the platen.

2. A manifolding device, comprising a base-plate, a link having an adjustable connection with the plate, and a horizontal platen having hinged connection with the link and formed with a smooth unobstructed upper surface adapted to support a leaf or sheet in position to be written upon.

3. A manifolding device, comprising a base-plate provided with a bracket, a horizontal platen disposed over the base-plate and provided with a post, and a link connecting the post and bracket, said platen being adapted to support a work-sheet in position to be written upon.

4. In a device of the character described, the combination with a base-plate having a vertical end flange, and a bracket extending therefrom; of a platen disposed over the plate and guided by the flange, a post extending from one end of the platen, and a link having hinge connection with the post and adjustable connection with the bracket.

5. In a device of the character described, the combination with a base-plate having a vertical end flange, and a bracket extending therefrom; of a platen disposed over the plate and guided by the flange, a post extending from one end of the platen, a link having hinge connection with the post and adjustable connection with the bracket, and a carbon-holder mounted on the platen.

6. A manifolding device, comprising a base-plate adapted to be inserted within a book, a relatively movable platen disposed above the base-plate and provided with an extension beyond one side of the base-plate to constitute a hand-rest, and means operatively connecting the base-plate and platen at one end.

7. In a device of the character described, the combination with a base-plate adapted to be inserted within a book; of a platen having flexible connection with the base-plate and provided at one end with a carbon-holder, said platen being provided with a lateral extension constituting a hand-rest.

8. A manifolding device including a base-plate adapted to be inserted within a book, a platen having flexible connection with the base-plate and located above the latter to support a leaf in position to be written upon, said platen having one side thereof extended to form a hand-rest, and a carbon-clamp located at one end of the platen.

9. A manifolding device including a base-plate adapted to be inserted within a book, a platen located above the base-plate and means flexibly connecting the platen to the base-plate at one end, one side of said platen being extended beyond the base-plate to form a hand-rest.

10. A manifolding device, comprising a

base-plate adapted to be inserted in a book, a platen disposed over the base-plate to support the leaf to be written upon, and means flexibly connecting the plate and platen and extended to form a handle for the device.

11. A manifolding device, comprising a base-plate adapted to be inserted in a book, a platen disposed above the base-plate to support the leaf to be written upon, and a handle for said device, said handle including a bracket extended from one end of the base-plate and a link connecting the bracket with the platen.

12. A manifolding device, comprising a base-plate adapted to be inserted in a book, a platen disposed above the base-plate to support the leaf to be written upon, a bracket rigid with the base-plate and extending beyond one end of the plate and in the plane of the latter, and a connection between the bracket and the adjacent end of the platen.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

BENJAMIN J. ROSEWATER.

Witnesses:
G. GRANT SWETT,
JAS. LITTRELL.