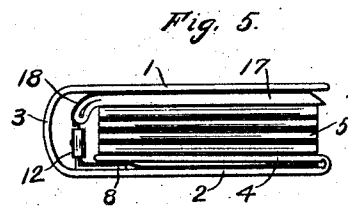
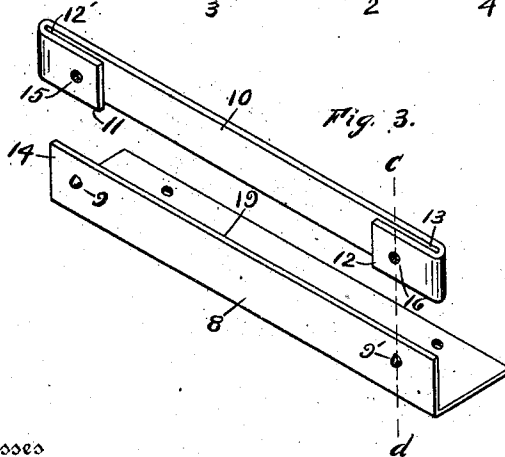
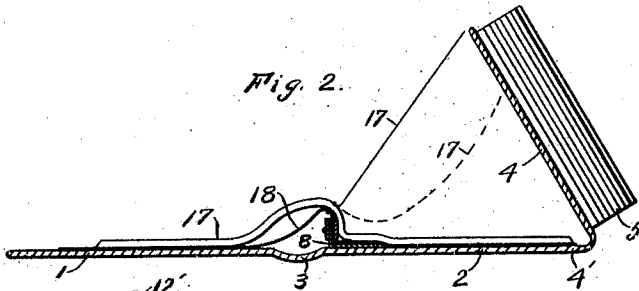
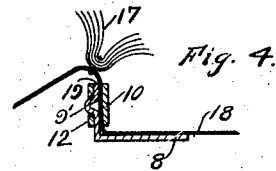
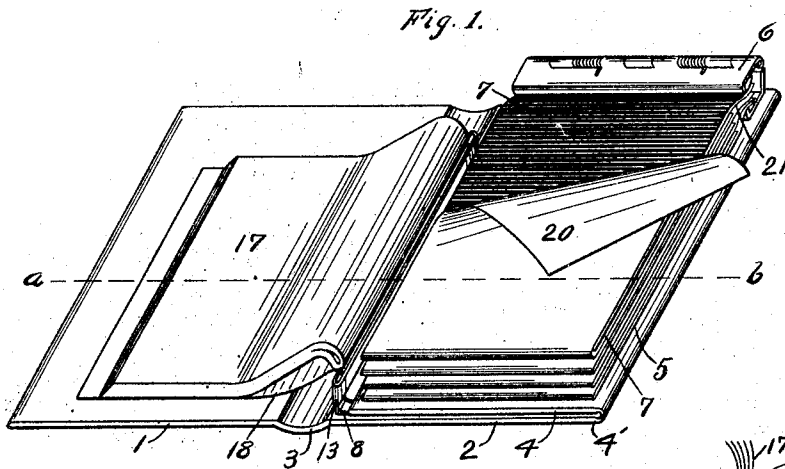


O. S. GAUCH.
MANIFOLD SALES OR ORDER BOOK.
APPLICATION FILED DEC. 13, 1910.

1,003,445.

Patented Sept. 19, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

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MANIFOLD SALES OR ORDER BOOK.

1,003,445.

Specification of Letters Patent. Patented Sept. 19, 1911.

Application filed December 13, 1910. Serial No. 597,095.

To all whom it may concern:

Be it known that I, ORLANDO S. GAUCH, a citizen of the United States of America, residing at Shelby, in the county of Richland and State of Ohio, have invented certain new and useful Improvements in Manifold Sales or Order Books, of which the following is a specification.

My invention relates to improvements in manifold sales or order books and has especial reference to manifold sales or order books wherein triplicate copies of the order or sales memoranda are to be made simultaneously, to wit:—an original and two copies.

One of the objects of my invention is to construct a triplicate order or sales book whereby the quantity of tissue sheet used in the construction of the triplicate order or sales books now in use can be reduced without in any way affecting the efficiency or use of said books.

Another object is to provide means of clamping the triplicate book of tissue sheets in a fixed relation to the combined original and duplicate pad.

A further object is to provide facilities for dropping the triplicate tissue sheets, after the memoranda shall have been indorsed thereon, underneath the combined original and duplicate sheets without handling the tissue sheets.

Another object of my invention is to provide means of making a simple and compact form of order or sales book including the cover, that is thoroughly practical and that can be manipulated conveniently and rapidly.

To this end my improved book comprises one combined pad of original and duplicate leaves and a book of tissue sheets which is clamped in position to fold over and overlie the duplicate and original pad at right angles thereto and means to hinge the combined original and duplicate pad from the side of the cover.

I accomplish these and other objects by means of the arrangement and assemblage of the several parts hereinafter described and illustrated in the accompanying drawings, in which:—

Figure 1 represents a perspective view of my improved order or sales book showing it in position for use. Fig. 2 is an end sec-

tional view of my improved order or sales book taken on the line *a—b* showing in dotted lines the used tissue sheet dropping automatically into place beneath the combined original and duplicate pad. Fig. 3 is a perspective view of the clamping means I use to rigidly and fixedly retain the pad of tissue sheets in place. Fig. 4 is a cross sectional view of Fig. 3 showing the projection on the fixed part of the clamp and the apertures in the detachable part with the cover of the tissue sheet interposed between said parts. Fig. 5 is an end view of my improved book showing its compact and convenient form.

In the drawing, 1 and 2 represent the lids of the cover flexibly connected by a hinge 3. An auxiliary lid 4 is flexibly connected or hinged to the side 4' of the part 2 by the side hinge 2' and is adapted to fold inwardly from the side or to the left as shown in Fig. 2 and lie upon the used tissue sheets after they have been dropped below the auxiliary lid 4 as shown in Fig. 2.

A combined pad 5 of folded original and duplicate leaves is fastened to auxiliary hinged lid 4 by a holder 6 or in any other well known manner. A double faced carbon sheet 7 is bound together with the pad and is adapted to be interposed between the folded original and duplicate leaves.

Adjacent to the pad of leaves 5 a plate 8 angular in cross section is rigidly attached to the part 2 of the cover (by any well known fastening means) and forms part of the clamping means for holding the book. Conical projections 9 and 9' are pressed from the body of the angular plate 8. The clamping bar 10 has both ends 11 and 12 bent inwardly parallel with the body 10 leaving open spaces 12' and 13 which engage the clamping plate 8 at the points indicated by 14—14. Apertures 15 and 16 are provided in the bent ends and are adapted to engage with the projections 9 and 9' which securely retain the detachable part 10 in place. The plate 8 is preferably made of spring metal to permit the bent ends to spring over the projections to engage with the apertures in the detachable part 10 of the clamp.

A book of tissue sheets 17 is provided and attached to a light weight cover and is held adjacent to the upper edge 19 by the clamp-

ing bar of the plate 8. The upper edge 19 extends upwardly to a point half way between the top and bottom of the pad 5. In use, the back cover of the tissue book is inserted in the spaces 12' and 13 of the clamping bar 10 which is then made to engage with the upstanding part of the plate 8, and the tissue book is rigidly held with its back or binding parallel with the side of the pad 5 at a point half way between the top and bottom of the pad.

In the manipulation or use of the book, each original leaf 20 of the pad 5 is raised and the carbon sheet 7 is made to lie upon the duplicate leaf 21, the tissue or triplicate sheet 17 is then folded or laid upon the carbon sheet and the original leaf is then laid upon the tissue sheet and the book is then ready for use.

When the original and duplicate copies are made, the part 4 is first lifted and turned to the right, thus removing the tissue leaf from its position and dropping it underneath the part 4 which is returned to place; the original of the next unused slip is then withdrawn, the used original and duplicate torn out of the pad, the next unused tissue folded over the carbon, the unused original folded up over the tissue, when the book is again ready for use. In these operations it will be noted that there is no necessity of touching the carbon or transfer sheet with the fingers. Nor is it necessary to handle the tissue in order to remove it from its position after the sheet has been used. It will be understood that the folded leaves of the pad 5 are provided with weakened or perforated lines.

The compact form of the book and cover when closed is shown in Fig. 5. Attention is called to the fact that by the peculiar construction of my book it is not necessary to have the cover much larger than the duplicating pad, in order to protect the ends of the leaves of the tissue book; also that the same result will be secured if the clamping device is used on either side or at the top edge of the pad 5, and the tissue leaves when used are entirely covered and protected by the part 4.

My cover differs from those now used with a tissue book folded in from the side in that the auxiliary lid is hinged at the side of the duplicating portion; this provides for movement of the auxiliary lid parallel with the back of the tissue book and the tension or force exerted to remove the tissue leaf from between the original leaf and the carbon sheet is applied uniformly along the entire length of the tissue leaf, while with the type of cover having the lid hinged at the bottom, the force is applied progressively from the top to the bottom of the tissue leaf and gives a tearing strain rendering it difficult to keep the tissue leaves from

being torn, especially when rapidly manipulated.

Heretofore tissue books for triplicate purposes have been secured by inserting the back cover in a pocket and it was necessary to make the tissue book from $\frac{3}{4}$ " to 1" wider than the pad with which it was used in order to insure the tissue leaves reaching from the bottom, where the back was located, up the sides and across the leaves of the pad, and as the pad was used and the tissue leaves were lifted and dropped under the pad of duplicate and original sheets, the tissue leaves projected farther over the side of the duplicating pad by virtue of the fact that the distance from the back to the leaves in use was gradually decreased until, when the last sheet of the pad was used, the tissue sheets projected materially beyond the duplicating portion of the pad. When a tissue leaf was used and dropped under the part carrying the duplicating pad, the extra width of the tissue leaf caused it to project beyond the side of the pad opposite to the binding. This necessitated the covers being much wider than the duplicating portion of the pad, as it was necessary to have the covers project sufficiently to prevent the used portion of the tissue from becoming damaged or wrinkled.

My cover differs from those in present use in that it is hinged to fold from the side whereby the ends of the tissue leaves are protected against mussing or tearing and are obscured from the view of customers without materially enlarging the cover.

By my method of securing the tissue book in the cover, the back is rigidly held parallel with the sides of the duplicating pad, only sufficient space being given to permit all the tissue leaves to pass between the clamping bar and the free side of the auxiliary lid. In this manner I am enabled to materially reduce the size of the tissue book enabling the cover to be also reduced in size, rendering it easier to manipulate without tearing the tissue leaves, and more convenient to be carried in the pocket of the user.

The reduction in size of the tissue book is an important matter to the consumer, who usually files the tissue books for reference, and in a large business where many thousands of sales are made, the space saved is a very important item.

The cover of the tissue book may be printed with suitable wording and when removed from the book, it is in proper shape for filing, the edges of the leaves having been protected against wrinkling or tearing by the peculiar construction of the cover.

Attention is further called to the fact that in certain types of books it may be desired to hold the back of the tissue book at a point level with the top of the duplicating pad, and this I accomplish without departing

from the spirit of my invention, by making the riser of the angle part of the desired height.

What I claim is:—

5 1. A manifold book comprising a cover composed of two lids flexibly connected together, an auxiliary lid flexibly connected to one edge of one of the aforesaid lids, a pad composed of original and duplicate
10 leaves attached to the auxiliary lid, clamping means secured to the cover, a tissue book held by said clamping means along a line half way between the top and bottom of said pad and in close proximity to one edge of
15 the pad, and a carbon sheet attached to said pad and adapted to be laid between the folded leaves of the pad.

2. A manifold book comprising a cover composed of two lids flexibly connected together, an auxiliary lid flexibly connected
20 to the cover to swing from the edge of one of the aforesaid lids, a pad composed of original and duplicate folded leaves attached to said auxiliary lid, a clamp attached to the cover composed of a fixed and
25 a detachable part, a tissue book held by said clamping means along a line half way between the top and bottom of said pad and adapted to fold over said pad, and a carbon
30 sheet attached to said pad as described.

3. A manifold book comprising a cover composed of two lids flexibly connected together, an auxiliary lid flexibly connected
35 to and adapted to swing from the edge of one of the aforesaid lids, a pad composed of original and duplicate leaves attached to the auxiliary lid, an angular bar secured to one lid of the cover in close proximity
40 to one edge of the pad, a detachable clamping bar adapted to engage with said angular bar, a tissue book held by said clamping means along a line half way between the top and bottom of said pad and adapted to be laid between the folded leaves of the pad.

4. A manifold book comprising a cover composed of two lids flexibly connected together, an auxiliary lid flexibly connected
45 to one of the aforesaid lids, a pad composed of original and duplicate leaves attached to the auxiliary lid, clamping means secured to the cover, a tissue book held rigidly by said clamping means along a line half way
50 between the top and bottom of said pad and in close proximity to one side of the pad, and a carbon sheet attached to the upper edge of the pad as set forth.

5. A manifold book comprising a cover composed of two lids flexibly connected together, an auxiliary lid flexibly connected
55 to one of the aforesaid lids, a pad composed of original and duplicate leaves attached to the auxiliary lid, clamping means secured to the cover, a tissue book of substantially the same length and width of said pad held
60 rigidly by said clamping means along a line

half way between the top and bottom and in close proximity to the edge of the pad, and a carbon sheet attached to said pad.

6. A manifold book comprising a cover composed of two lids flexibly connected together, an auxiliary lid flexibly connected
70 to one of the aforesaid lids, a pad composed of original and duplicate leaves attached to the auxiliary lid, clamping means attached to the cover, a tissue book comprising a series of leaves held by said clamping means along
75 a line half way between the top and bottom and close to one edge of said pad, said leaves being arranged to fold over said pad and drop beneath the pad when the auxiliary lid is lifted, and a carbon sheet attached to said
80 pad.

7. A manifold sales or order book comprising a cover of two lids flexibly hinged together, an auxiliary lid hinged to the edge
85 of one lid of said cover, a pad composed of original and duplicate leaves attached to the auxiliary lid, a tissue book secured to the cover, the leaves of which are arranged to fold in a lateral direction over the pad, a
90 carbon sheet attached to the pad clamping means to removably secure said tissue book to the cover close to one edge of the pad and along a line half way between the top and bottom of said pad, substantially
95 as described and set forth.

8. A manifold order or sales book comprising a cover composed of two lids hinged together, an auxiliary lid hinged to the edge
100 of one of the lids of said cover and adapted to fold inwardly and outwardly from one edge thereof, a pad of original and duplicate folded leaves attached to the auxiliary lid, a carbon sheet attached to the auxiliary lid to lie parallel with the edges of the pad, clamping
105 means secured to the cover, a book of tissue leaves rigidly held in said clamping means along a line half way between the top and bottom of said pad.

9. A manifold book comprising a cover composed of two lids flexibly hinged together, an auxiliary lid hinged to one of
110 the lids of said cover, a pad composed of original and duplicate folded leaves attached to said auxiliary lid, a carbon sheet attached to one edge of the pad, clamping means secured to the cover, a tissue book rigidly held in said clamping means along
115 a line half way between the top and bottom of said pad, said auxiliary lid when swung outward drawing outward from beneath the used tissue sheet which drops by gravity upon that part of the cover that lies under-
120 neath said auxiliary lid when it is swung inward thereby protecting the leaves from injury and covering the memoranda.

10. A manifold order and sales book comprising a cover having two lids flexibly connected together, an auxiliary lid attached
125 to said cover, a pad attached to one edge of

the auxiliary lid, and a tissue book, in combination with a clamping means composed of a stationary and a detachable part, said clamping means being adapted to remov-
5 ably hold the tissue book along a line half way between the top and bottom of the pad, substantially as described and set forth.

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

ORLANDO S. GAUCH.

Witnesses:

JOHN H. COSS,

PEARL M. ACKERMAN.