

P. AUSCHER & C. DEHAINAULT.

MANIFOLD BOOK.

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1,025,113.

Patented Apr. 30, 1912.

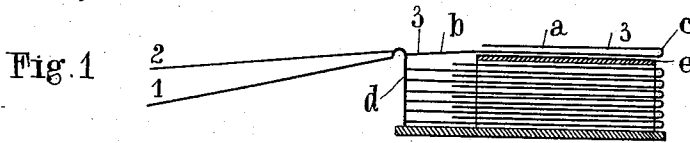


Fig. 2

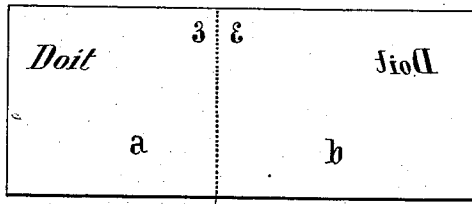


Fig. 3

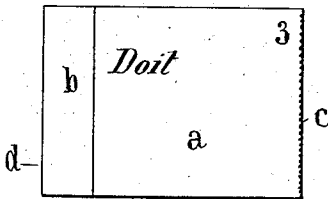


Fig. 4

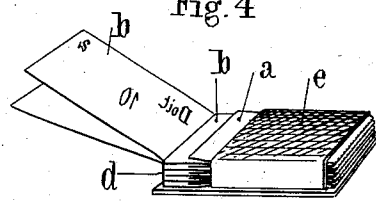


Fig. 5

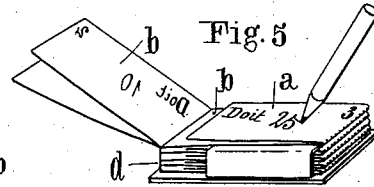


Fig. 6

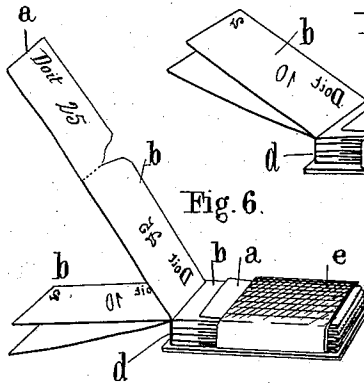


Fig. 9

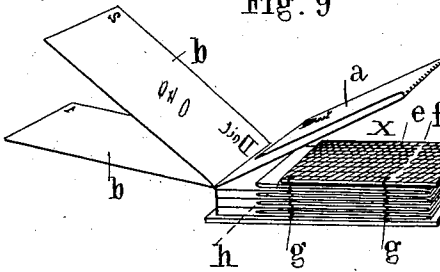


Fig. 7

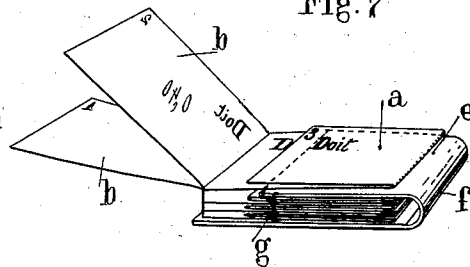
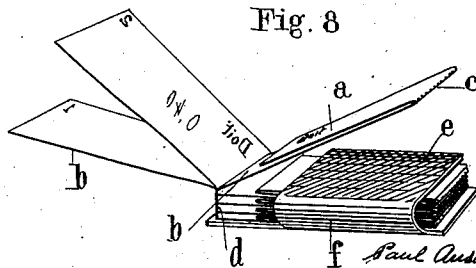


Fig. 8



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MANIFOLD-BOOK.

1,025,113.

Specification of Letters Patent.

Patented Apr. 30, 1912.

Original application filed September 21, 1906, Serial No. 335,641. Divided and this application filed
November 10, 1908. Serial No. 461,989.

To all whom it may concern:

Be it known that we, PAUL AUSCHER and CHARLES DEHAINAULT, both citizens of the Republic of France, and residing in Paris, France, have invented a certain new and Improved Manifold-Book, of which the following is a specification.

The present application is a division of our copending application Serial No. 335,641, filed September 21, 1906, and patented Aug. 24, 1909, under the number 932,365.

Our invention relates to an improved manifold book, our object being to provide a device of this character having the following features:—1. Its entry sheets are so arranged that the part to be detached, forming the original, receives the writing directly and is read directly, while the carbon copy forming the duplicate, receives the writing by transfer and is read as a transparency. 2. The impressions made upon the two parts of the entry sheets are made upon the same face of the paper, and since the copy portion is folded under the original entry portion the latter only is written directly while the copy receives a reversed impression and is most easily read as a transparency. 3. The coloring surface employed for the copy is carried by a relatively rigid body which serves as a writing support and permits of very clear writing so that both original and copy are very legible, while at the same time the said support is so arranged that the sheets not utilized are protected more efficiently than usual.

This improved manifolding book is shown in the accompanying drawing, in which:—

Figure 1 is a diagrammatic longitudinal section of the book as a whole in one embodiment of our invention; Fig. 2 shows one of the entry sheets unfolded; Fig. 3 shows this sheet folded; Figs. 4, 5 and 6 are perspective views of the book as a whole showing the manner of its use; Figs. 7, 8 and 9 are perspective views showing different arrangements of the rigid part which serves as a writing support and also for producing the copy.

The entry sheets of the book are of transparent paper; they are subdivided (Fig. 2) by means of a line of perforations *c* into two parts *a* and *b*; on the back they are printed

with matter adapted for the use to which they are to be put, with this peculiarity however that the part *b* which is intended to be read as a transparency, is printed in reverse to the entry on the part *a* which is read directly. The two parts *a* and *b* of the same sheet are similarly numbered. The part *a* of the sheets forms the original which is directly written upon, while the part *b* forms the copy. The sheets thus constituted are folded along the line of perforations *c* by turning back the part *a* over the part *b* (Fig. 3). It will be noted that the matter printed on the two parts *a* and *b* lies on the same face of the sheet unfolded.

The folded sheets are suitably bound (Fig. 1) at the projecting edge *d* of the part *b* to the back of a cover of any kind appropriate for the use to which the book is to be put. The sheets are located beneath a support *e* bound to flexible sides which are fixed to the bottom of the cover.

The support *e* is of hard material such as cardboard, thin metal, celluloid or the like, its top being coated or impregnated with a coloring matter adapted to transfer to the part *b* the matter written directly upon the part *a* or the support may be covered with a band of paper or fabric, comprising the coloring matter suitable for the transfer and presenting this matter to the upper part of the said support.

The manifold book thus constituted is used in the following manner:—The sheet to be utilized (say the sheet 3 for example) is first of all released by drawing it from beneath the support *e* (Fig. 4) and then placing it, still folded, upon the latter. The part *a* of the sheet is exposed so that it can be written upon directly with either a pen or a pencil (Fig. 5) while the part *b* is in contact with the coloring surface of the support *e* and so receives a reversed copy of what is written upon the part *a*. When the entry is finished the sheet is unfolded (Fig. 6) and a part *a* (original) is detached from it, while the part *b* (duplicate) remains in the book as a counterfoil.

It will be seen that the part *a* viz. the directly written and read original is the part detached and given or forwarded to the customer, while the part *b* which is the duplicate produced by transfer and read

as a transparency is preserved as the counterfoil which cannot subsequently be fraudulently altered owing to its nature.

It will be noted that the fact of having the coloring matter at the upper part of the support *e* prevents any risk of soiling the sheet arranged directly beneath it and that it is only the parts *b* which are kept as counterfoils that can possibly be soiled. It will also be noted that owing to the rigidity of the support *e* the manuscript and transfer writings are very clear and very legible; this legibility is particularly useful for the parts *b* which are intended to be read as transparencies. It will also be obvious that the printing may be dispensed with upon the part *b* of the sheets, the said part receiving only the copy, in which case the printed matter would be confined to serve as a guide for the writer and also enable the recipient to understand the manuscript. Finally it should be noted that instead of being written by hand, the entries may be typewritten owing to the provision of the rigid support *e*. By reason of this support it is possible to arrange the book upon the carriage of a typewriting machine of the kind utilized for writing on books and thereby obtain the original and the duplicate simultaneously in typed characters.

The support *e* instead of taking the form of a bridge fixed to the cover at its two sides may be secured at one side only of the cover, thus taking the form of a fly sheet. In this case a hinge *f* either parallel with the binding (Fig. 7) or at right angles to it (Fig. 8) is utilized; the whole is held in place by gravity, by springs or by any other appropriate means adapted to be comprised in the hinge itself, in proximity to it or at *g*. This arrangement renders it possible to reach any one or more of the lower sheets which are not yet uncovered and subsequently rearrange matters so that this sheet or these sheets are again in order when required.

The hinge *f* may be formed as a joint or fold in such a manner that it divides the support *e* into two equal parts or two unequal parts *x* and *x*¹ (Fig. 9) the one part *x* being held at the sides by spring or elastic fasteners *g*, *g*, fixed to the cover or by any other method of fixing while the other part *x*¹ may be raised in the direction shown by the arrows in order to reach the sheets located beneath the support *e*. Similarly the

whole of this support may pivot about the front edge *h* of the part *x* and be returned to its normal position by gravity and under the influence of the said fasteners. This construction permits the user of the pad, to readily adjust the sheets which lie beneath the support in case they have become disarranged.

The support when given the form of a fly sheet may also be arranged detachably and be fixed to the cover by any appropriate means by the person using it with the object of readily and rapidly substituting a new coloring surface for a worn coloring surface so that books comprising a very large number of sheets may be used.

We claim as our invention:

1. A manifold device comprising a book of folded entry sheets, a rigid writing support superposed thereover, carbonaceous material on the upper face of said writing support, the top entry sheet, in position for use, lying folded directly upon the upper face of said writing support, whereby a reversed copy is made upon the portion of said sheet which is juxtaposed to the face of said support, substantially as described.

2. A manifold device comprising a book of folded entry sheets, a rigid writing support flexibly mounted thereover to permit ready access to said entry sheets, carbonaceous material on the upper face of said writing support, the top entry sheet, in position for use, lying folded directly upon the upper face of said writing support, whereby a reversed copy is made upon the portion of said sheet which is juxtaposed to the face of said support, substantially as described.

3. A manifold device comprising a book of folded entry sheets, a rigid writing support and flexible means for constantly maintaining said support superposed over said book of entry sheets, carbonaceous material on the upper face of said writing support, the top entry sheet, in position for use, lying folded directly upon the upper face of said writing support whereby a reversed copy is made upon the portion of said sheet which is juxtaposed to the face of said support.

In witness whereof we have hereunto set our hands in the presence of two witnesses.

PAUL AUSCHER.

CHARLES DEHAINAULT.

Witnesses:

H. C. COXE,

LÉON FRANCKEN.