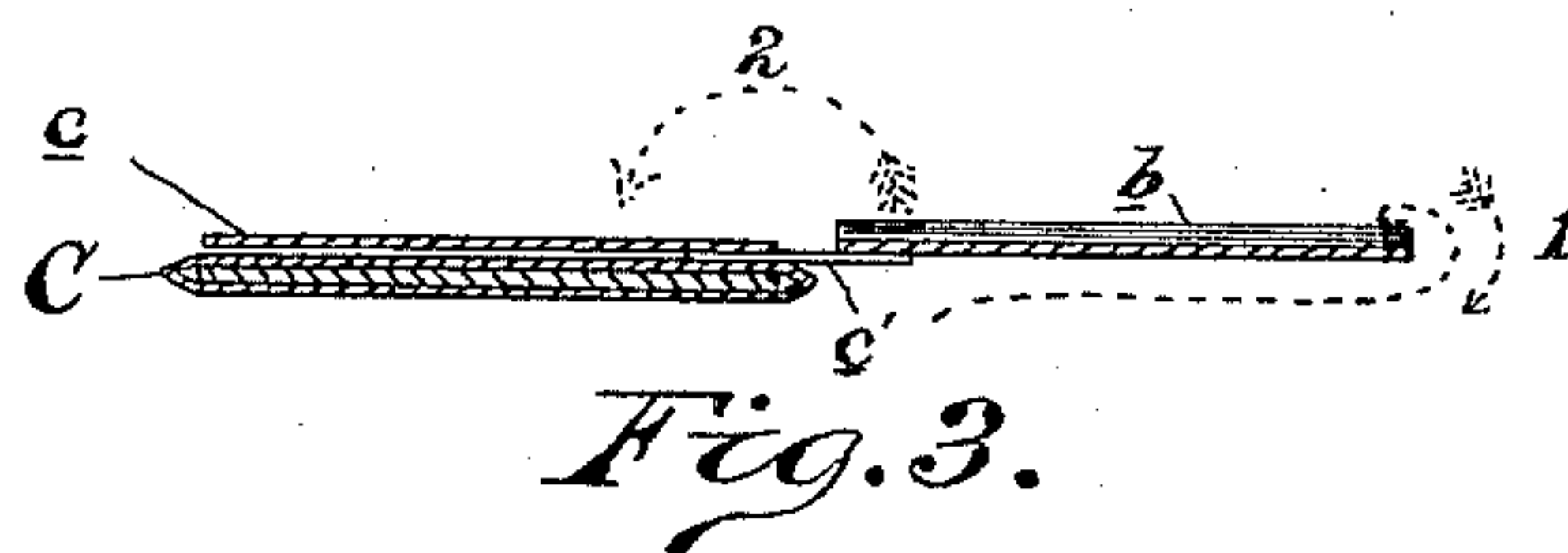
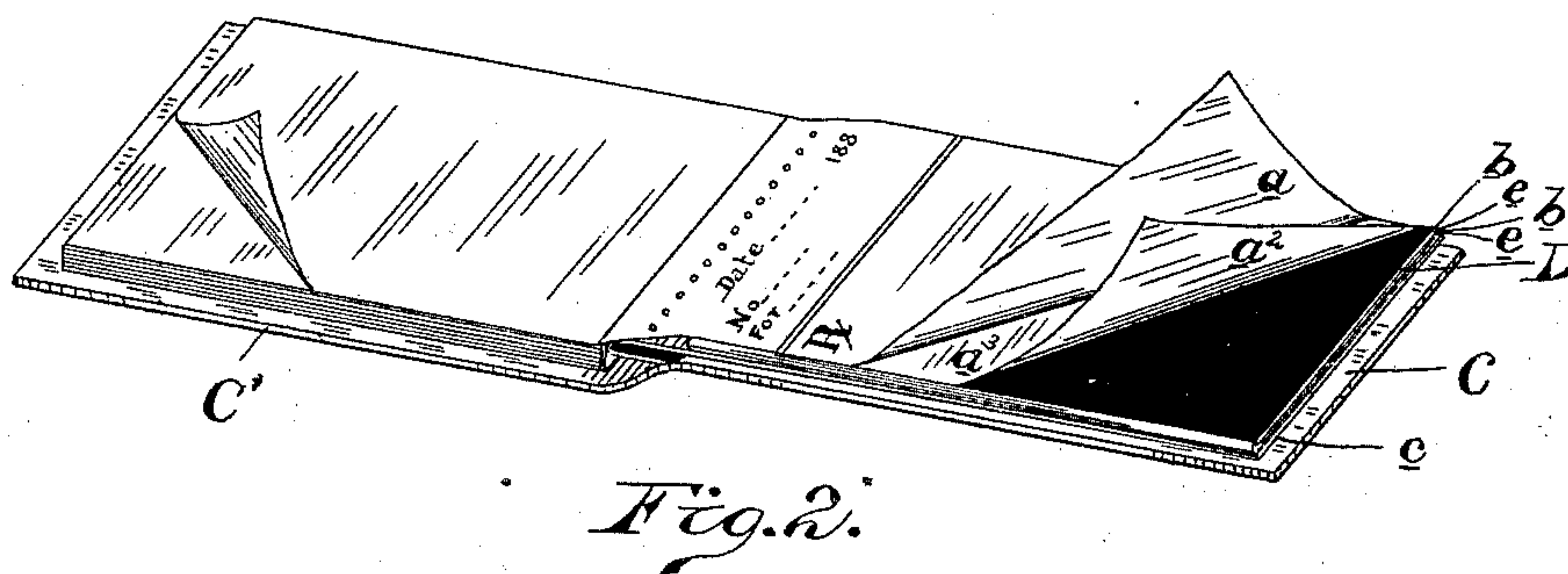
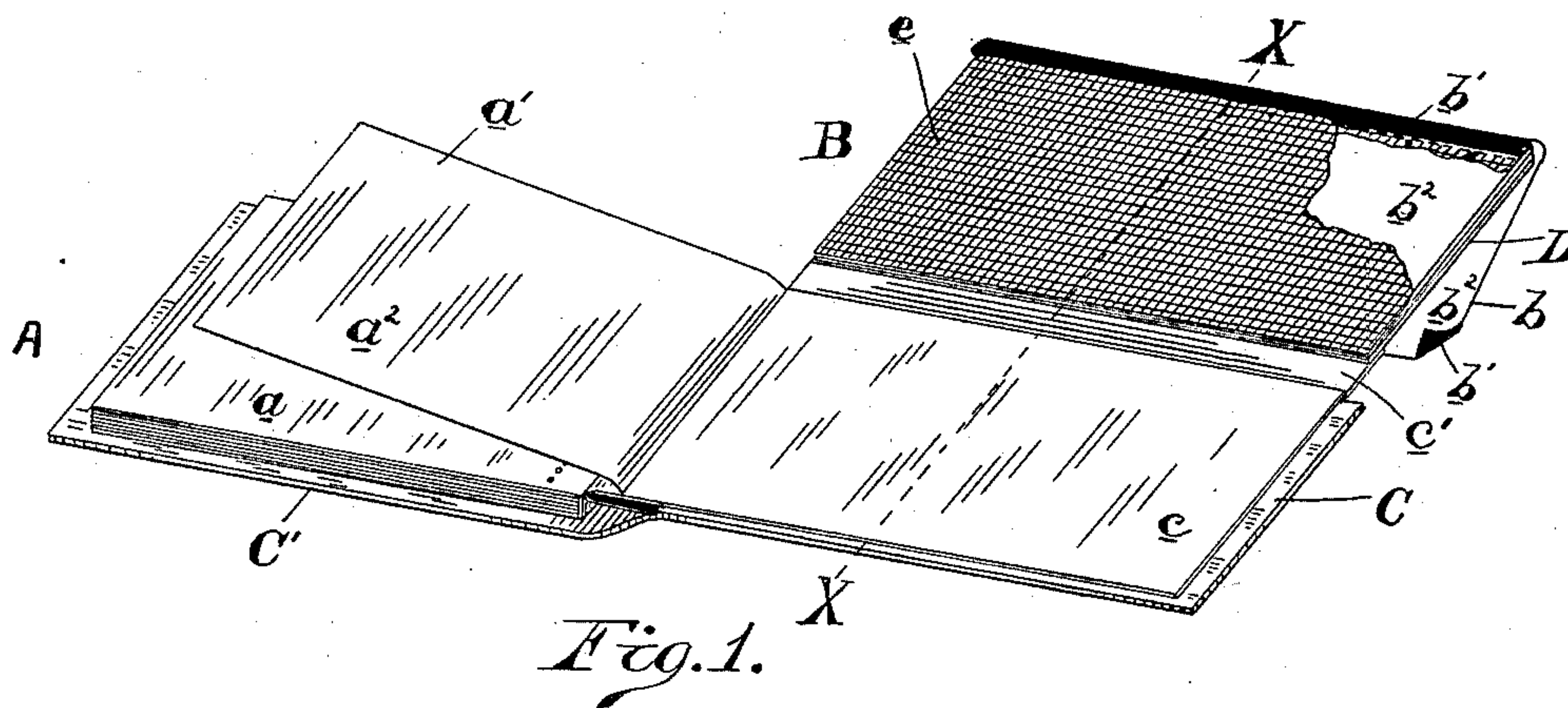


(No Model.)

W. BERTSCH.
MANIFOLD MEMORANDUM BOOK.

No. 409,768.

Patented Aug. 27, 1889.



WITNESSES:

Joshua Maklack, Jr.
Henry F. Coe

INVENTOR

William Bertsch
by his attorney
Francis T. Chambers

UNITED STATES PATENT OFFICE.

WILLIAM BERTSCH, OF PHILADELPHIA, PENNSYLVANIA.

MANIFOLD MEMORANDUM-BOOK.

SPECIFICATION forming part of Letters Patent No. 409,768, dated August 27, 1889.

Application filed December 7, 1888. Serial No. 292,919. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BERTSCH, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Manifold Memorandum-Books; and I do hereby declare that the following is a full, clear, and exact description of the same.

My present invention relates to that class of memorandum-books in which a smutted leaf (or carbon) transcribes the manuscript upon a copy-sheet concurrently with the passage of the pencil or writing point over the original, my present object being structural compactness coupled with a better preservation of the copies recorded, despite the fingering of reference, and the positive guarding and protection of a reserve store of carbons not only from mutual injury, but also from blacking the original and copy sheet of the book with which they are combined. These results I obtain by a novel combination and mode of assembling the several parts of which my invention consists—to wit, by binding into what is known as a “triptych” or threefold arrangement a fly-leaf of a memorandum-book, said book being composed of alternating thick and thin leaves, a writing pad or tablet, and a small “book” composed of alternate carbon and protecting sheets.

Reference being now had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts throughout the figures, they will be found to illustrate the device by which I have carried my invention into practice with the best results.

Figure 1 represents a physician's prescription-book provided with my improved self-copying arrangement, the book being open, so that the fly-leaf, cover, and carbon pad are shown on one side, the original and copy sheets, with the upper cover, occupying the other side. Fig. 2 represents the same book with the carbon folded ready for use, and an original and copy sheet in the act of being folded down upon it; and Fig. 3 is a section taken along the dotted line X X of Fig. 1.

In detail the parts are as follows: C C', the front and back covers of the memorandum-

book; c, the rear fly-leaf of said book; c', a flexible hinge uniting said fly-leaf with the tablet D, preferably formed of stout flexible card-board; b b, carbon sheets bound to the outside edge of said tablet D, so as to normally fold inward and face downward upon the tablet D, as will be best understood by examining the cross-section, Fig. 3, in conjunction with the letters b' b² in Fig. 1, which indicate the working and rear faces of the upper carbon sheet in the act of being folded over upon the back of the tablet D prior to folding said tablet into the position shown in Fig. 2, B indicating the reserve store of carbons similarly bound to the outer edge of D and provided with protecting interleaves e of tissue or suitable material, and A indicating in a similar way the balance of the memoranda and copying leaves bound together, the one alternating with the other, as a a² are represented in Figs. 1 and 2, the dotted lines and curved arrows shown in Fig. 3 representing by the numerals 1 2 the order and method of folding the carbons to their working position after the book has been thrown into the position represented in said figure.

In operation a pencil or other hard-pointed stylus, tracing the desired manuscript upon the upper surface of the original sheet a by its pressure, concurrently transcribes the character upon the under side of thin copy-sheet a². By this means, after the originals have been detached, the copy-sheets a² will remain in the book with the imprint upon their lower sides, and thus enable the person who consults them for reference to finger and handle their upper surfaces without detriment; whereas by the old methods, in which the threefold arrangement was attempted, the carbons, being adapted to transcribe upon the upper surfaces of the copying-sheets, produced not only the reverse effect and made the copies liable to smut, but also, from the very fact of their being superimposed upon them, required much greater pressure upon the writing-point in order to produce legible copies than does my arrangement, hereinbefore described, wherein a thin copy-sheet alone is interposed between the original and the upper or working surface b' of the carbon pad. Having now described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

The combination of the memorandum-book,
composed of alternating original detachable
5 and thin copy-leaves, with a downwardly-faced
copy-pad composed of a tablet, carbon and
protective tissue-leaves alternately disposed,

and a fly-leaf, said copy-pad hinged and united
into a threefold arrangement, substantially
as and for the purposes hereinbefore described. 10
WILLIAM BERTSCH.

Witnesses:

LEWIS R. DICK,
JOSHUA MATLACK, Jr.