(No Model.) 2 Sheets—Sheet 1.

J. CUSSONS.

METHOD OF MAKING MEMORANDUM BOOKS.

No. 414,500. Patented Nov. 5, 1889.

Fig. 1.

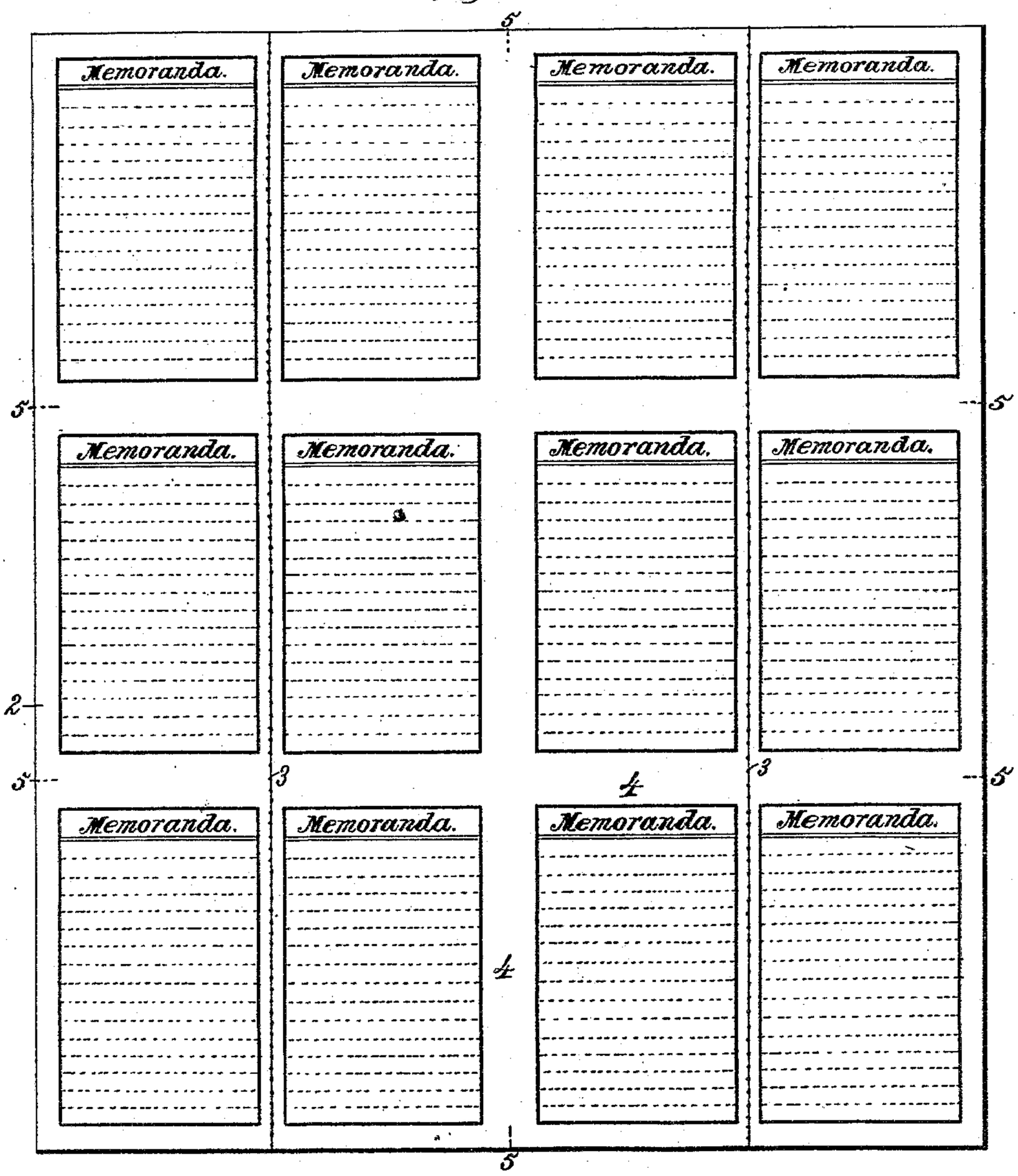
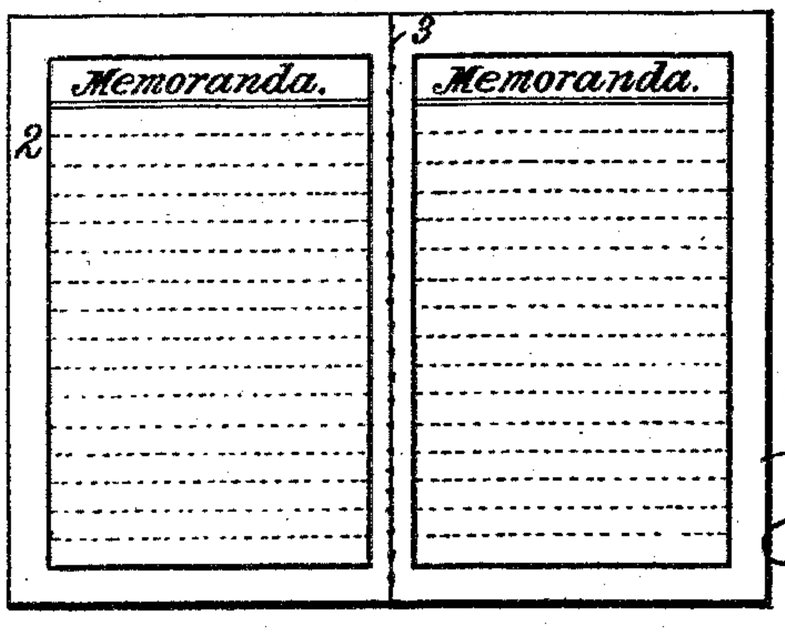


Fig. 2.



Witnesses.
Robt Everett.
J. A. Rutherford.

Inventor.
John Cussons.
By James L. Norris.
Atty.

(No Model.) 2 Sheets—Sheet 2.

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METHOD OF MAKING MEMORANDUM BOOKS.

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Fig. 3.

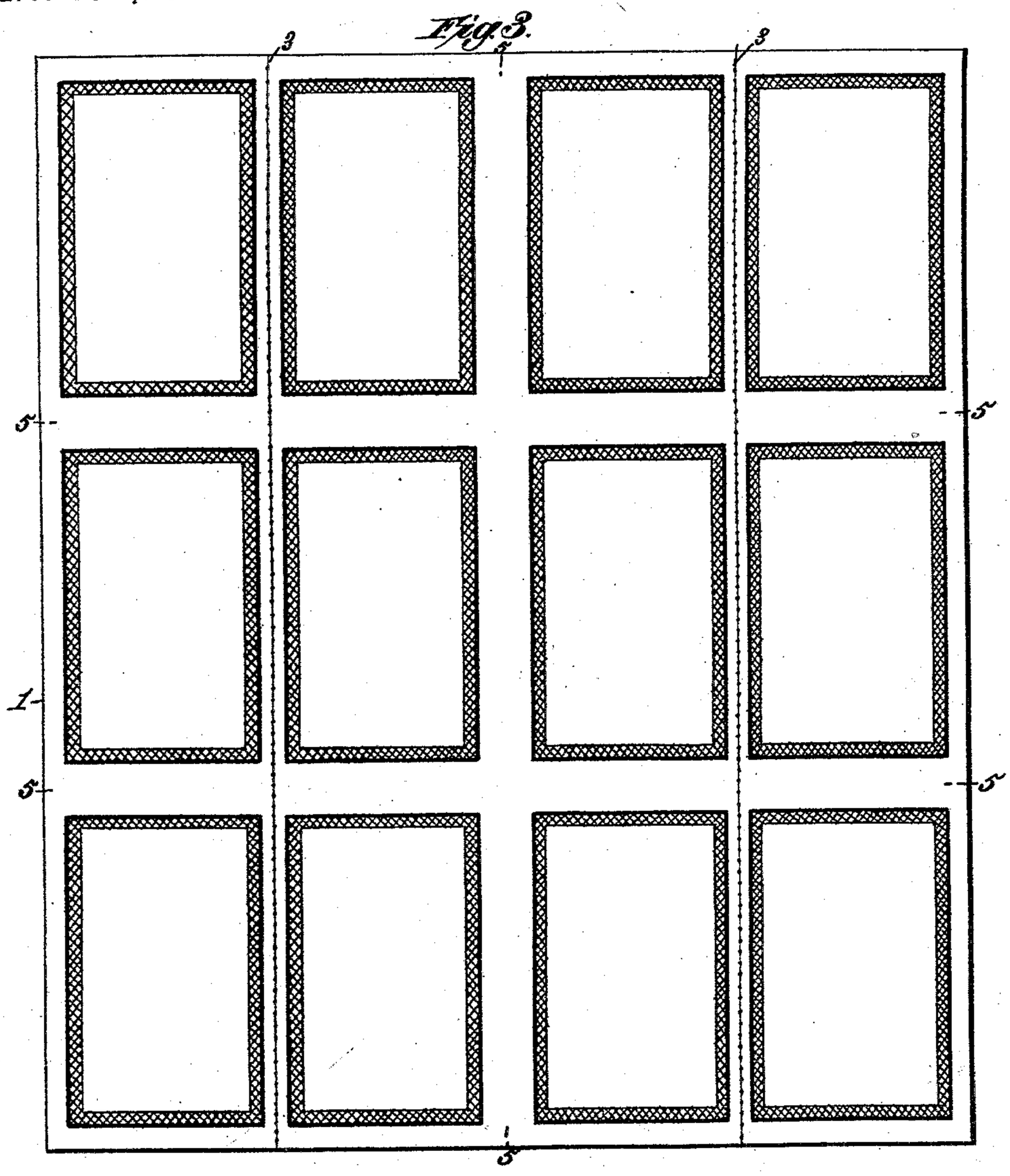
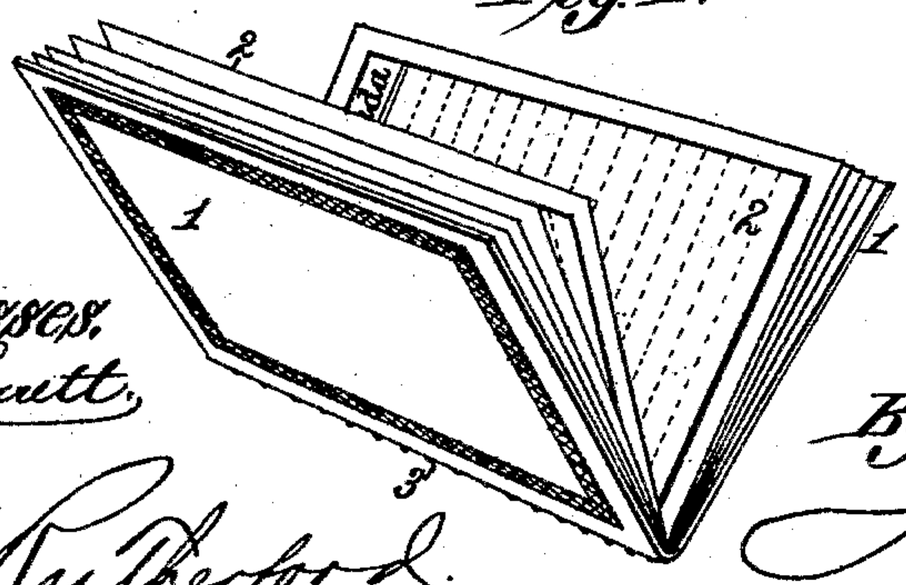


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN CUSSONS, OF GLEN ALLEN, VIRGINIA.

METHOD OF MAKING MEMORANDUM-BOOKS.

SPECIFICATION forming part of Letters Patent No. 414,500, dated November 5, 1889.

Application filed January 26, 1889. Serial No. 297,627. (No model.)

To all whom it may concern:

Be it known that I, JOHN CUSSONS, a subject of the Queen of Great Britain, residing at Glen Allen, in the county of Henrico and State of Virginia, have invented new and useful Improvements in Methods of Making Memorandum-Books, of which the following is a specification.

My present invention relates to the art of manufacturing memorandum-books, the invention being particularly applicable to the cheap and rapid production of that class of small pocket memorandum-books which are now used extensively for advertising purposes. These books being distributed in large numbers and without price, it is essential that the cost of their manufacture should be reduced to the lowest possible point consistent with good work, and to effect this it is important to avoid folding the ruled or lined sheets prior to stitching them to the back or cover, for such folding requires folding machinery and the subsequent cutting of the leaves or pages.

Inasmuch as the finished product in this class of manufactures is of comparatively small size, it is evident that any process of manufacture which involves a separate and complete manipulation of each book throughout the various stages or steps of the process would largely increase the cost of production, and it is the purpose, therefore, of my invention to provide a simple and novel method or process of manufacture, whereby the number of steps ordinarily required for the completion of a single finished book may produce a group or number of such books, each one complete and perfect in every respect.

The invention consists in the novel process of manufacture hereinafter fully set forth, and then definitely pointed out in the claims which follow this specification.

Referring to the accompanying drawings, which illustrate my said process, Figure 1 is a view representing the method of printing in duplicate, stacking, and stitching, with lines indicating the point where the multiple tablet or pad is divided. Fig. 2 is a similar view showing one of the multiple divisions of the pad separated and ready for folding. Fig. 3 is a view showing the reverse side of the multiple tablet shown in Fig. 1. Fig. 4 is a view showing one of the finished products of the process.

In the said drawings, the reference-numeral 1 designates a sheet or section of card-board, heavy paper, thin leather-board, or any other material of a kind suitable to form the covers of the memorandum or other books. This sheet is of such size that when divided into equal parts it may furnish covers for any given number of books of the size required, and it may be printed either with reading matter or electro-plates, or with both combined, such printing presenting the advertising matter in any desired form, and being so arranged in duplicate upon either one or both faces of the sheet as to permit the subsequent division of the latter to form individual covers. Upon the sheet thus prepared are placed a series of sheets 2 of paper of the same or any suitable size, said paper sheets being each printed upon both sides with the lining and other matter required for the body of the book. This printed matter or lining and printing jointly is executed in duplicate, like the printing upon the sheet 1, and is arranged upon each paper sheet to conform to the arrangement upon the sheet 1, or substantially so. A suitable number of the paper sheets 2 being stacked or piled upon the cover sheet 1, the edges are properly aligned, and one or more lines of stitching are run from edge to edge of the stack or pile in a direction transverse to the lining of the paper sheets. Each line of stitching also is arranged in the center of each "signature," or, in other words, in the lines upon which the books are folded when completed, as shown in Fig. 3. The individual imprints upon each sheet are separated from each other by a space 4 to provide a suitable margin for each page of the finished book, and when the stitching is completed in the manner described the stack, pad, or tablet is severed or cut upon the central lines 5 of these marginal spaces 4 in longitudinal and transverse lines, or in two directions on lines extending at right angles to each other, as at 5 5.

It will be seen that by this invention I am able to produce a group or number of books each complete in every detail with no appreciably greater expense of time and labor than

is consumed in the manufacture of a single book. In other words, the printing of a single detached signature, applying the cover, stitching, and finally trimming its edges are steps which will occupy a workman as long and consume as much labor and care as the printing, piling, stitching, and cutting of the stack or pile. The time and labor bestowed upon the latter, however, produces at each repetition of the process a number of perfected books.

When the pad or stack is cut upon the lines 5, the individual parts into which it is separated are each folded along the line of stitching, each forming thereby a complete perfect pocket memorandum-book containing the required advertising matter and adapted to serve all the purposes for which these books are made. Owing, moreover, to the method of process of manufacture hereinbefore set forth, a more perfect uniformity or similarity of appearance, as well as greater accuracy of work, results, while the cost of production is so greatly reduced as to bring this means of advertising within the reach of those to whom it has heretofore been inaccessible by reason of the expense. By this process of manufacture another advantage gained is, that the stitched pads may be kept in stock, having the ink of lining-sheets and cover-borders perfectly dry; hence the single impression of matter required by advertiser to complete the work may be done expeditiously, yet without danger of smut or "set-off."

Another advantage of great importance is due to the fact that this process admits of the printing of books for different advertisers and in different quantities at the same impression, thus specially effecting a great economy in the filling of various small orders. For instance, a customer requiring one thousand books would have his printed matter put in type once, while a customer requiring two thousand would have his matter put in type twice, and so on. The "form" would thus be made up of varying orders and all would go through the press together.

Having thus described my invention, what I claim is—

1. The method herein described of manufacturing blank books, which consists in superimposing a series of unfolded sheets ruled to form the pages of a number of books, placing such unfolded sheets on a back or cover sheet, stitching through the sheets and cover along the folding-line of the sheets and cover, then subdividing the whole and folding the subdivided sections along their stitched lines into complete books, substantially as described.

2. The method herein described of manufacturing advertising blank books, which consists in printing the advertisement in multiple impressions in rows upon a cover-sheet, each row containing the impressions required for a series of complete books, superimposing a series of unfolded sheets, each having multiple impressions in rows one above the other, and each row containing the impressions required for a series of complete books, stitching through the superimposed unfolded sheets and cover along the folding-line of the sheets and cover, subdividing the unfolded sheets and cover in two directions on lines extending at right angles to each other, substantially as described.

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

JOHN CUSSONS.

Witnesses:
THOS. N. PAGE,
C. V. MEREDITH.