

E. K. BOTTLE.
MANIFOLDING PAD.
APPLICATION FILED JAN. 10, 1907.

928,625.

Patented July 20, 1909.

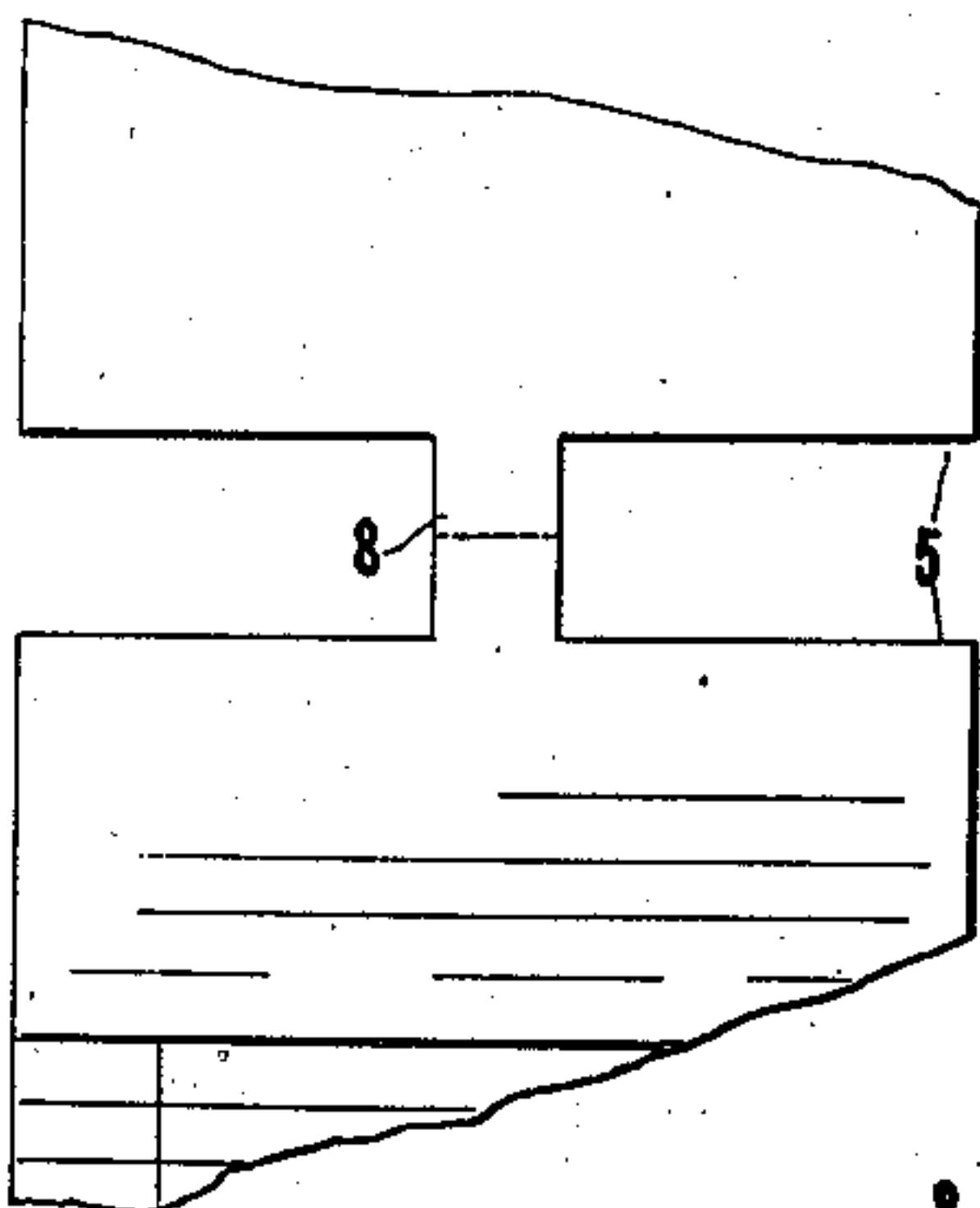
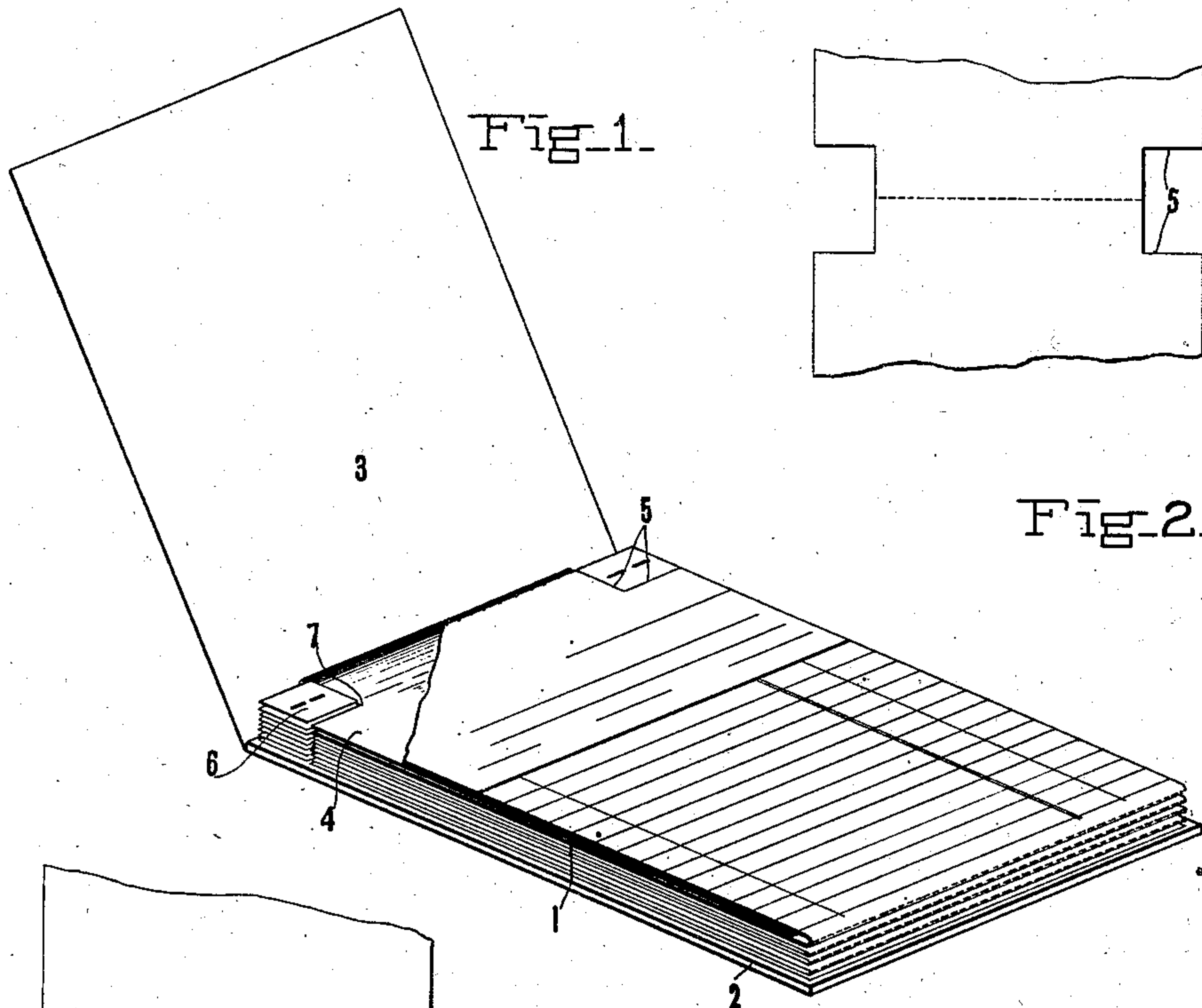
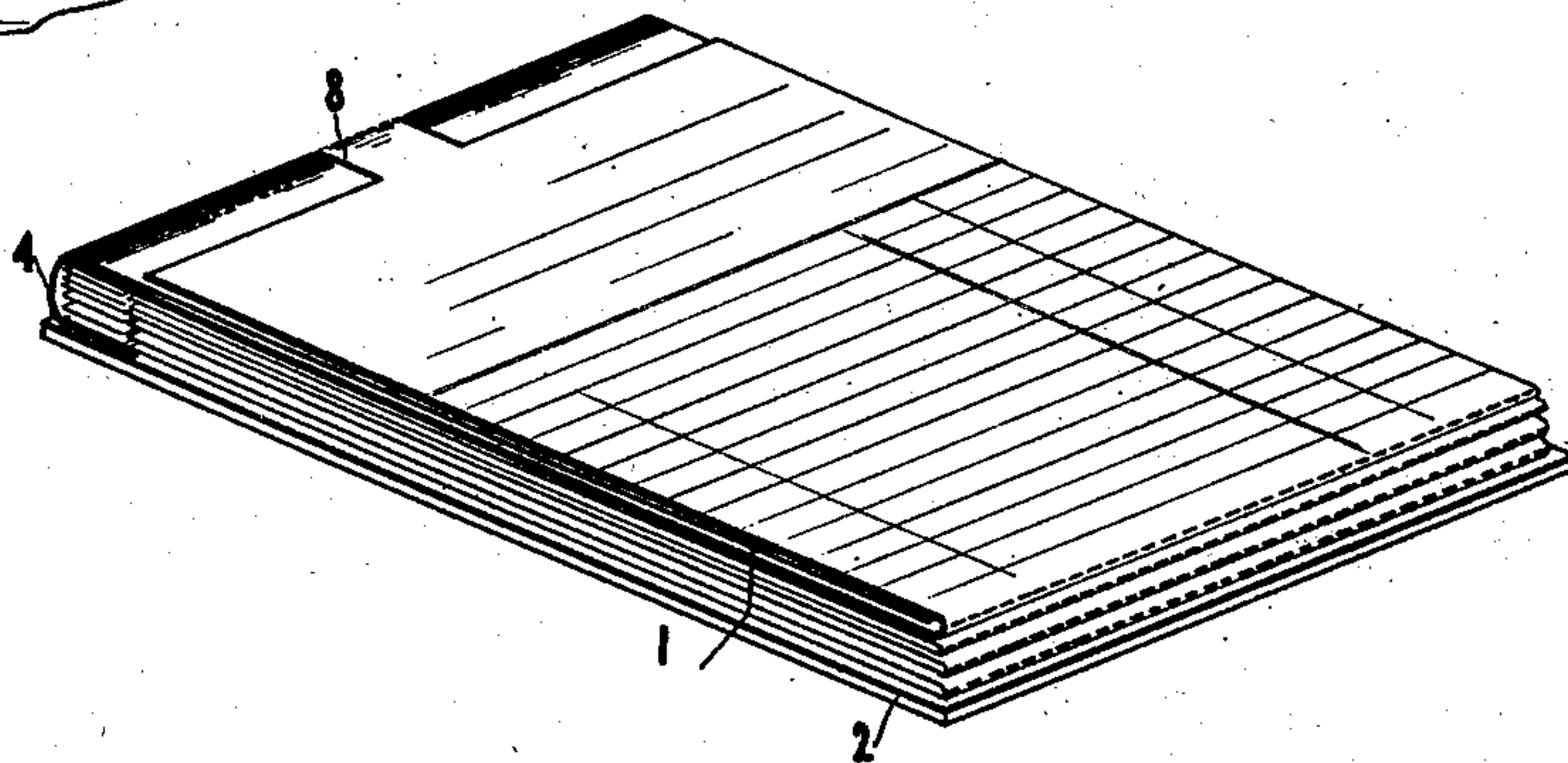


Fig-4.

Fig-3.



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MANIFOLDING-PAD.

No. 928,625.

Specification of Letters Patent.

Patented July 20, 1909.

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To all whom it may concern:

Be it known that I, EDWARD K. BOTTLE, residing at Niagara Falls, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Manifold-Pads, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to manifolding pads, sales-books and the like, and one of the objects thereof is to provide a device of the above character characterized by ease and convenience of manipulation.

Another object is to construct a book or pad of the manifolding type such that the manipulation of the transfer sheet may be accomplished without soiling or smutting the fingers.

A further object contemplated is to construct a book wherein the original and duplicate leaves are folded one upon another in zigzag fashion and known in the trade as a "continuous" book, in a manner such that when manipulated all danger of the operator's soiling his fingers through contact with the transfer sheet is eliminated.

Other objects will be in part obvious and in part pointed out hereinafter.

The invention accordingly consists in the features of construction, combinations of elements and arrangement of parts which will be exemplified in the embodiment hereinafter set forth, and the scope of the application of which will be indicated in the following claims.

In the accompanying drawings, wherein is shown one of the various possible embodiments of this invention,—Figure 1 is a view in perspective showing the same. Fig. 2 is a plan view showing the manner in which the leaves which constitute the pad are cut away. Fig. 3 is a view in perspective of the device, showing a slightly different embodiment thereof. Fig. 4 is a view similar to Fig. 2 but showing the leaves employed in the embodiment illustrated in Fig. 3.

Similar reference characters refer to like parts throughout the several views of the drawings.

Referring now to the drawings, there is shown in Fig. 1 a pad 1 having a rigid or relatively stiff backing member 2, to which in the present instance is hinged a cover

member 3. The leaves of pad 1 in the present instance are formed from a continuous strip of paper folded in zigzag fashion, each fold being located between adjacent leaves or between each duplicate leaf and the preceding and succeeding original leaves. The underneath leaf of the pad is secured to the backing by suitable means, as by staples or by means of an adhesive substance, the overlying sheets being left free. Secured to the backing member 2 and adapted to overlies the pile of leaves and to be inserted between the leaves which constitute each pair of original and duplicate slips is a transfer member 4, herein shown as constituted by a carbon sheet.

The pad above described is of the well known continuous type, and at this point it may be noted that heretofore considerable difficulty has been encountered in manipulating this type of pad owing to the fact that no means have been provided which will enable the operator to conveniently grasp the pad when the slips are being removed therefrom or when it is desired to interpose the carbon sheet between a fresh pair of original and duplicate slips. This defect is inherent in this form of pad by reason of the fact that the leaves are left entirely free throughout their entire extent, and any grasping of the same between the backing and the upper surface of the leaves prevents the removal of the leaves from the pad. In overcoming this difficulty I provide a notch, as at 5, which extends transversely through the several superimposed leaves thereof, said notch being preferably formed by cutting away portions of the leaves, thus forming a pile of slips which are stapled to the backing or otherwise secured thereto, and providing a block or fixed portion 6 which may be grasped by the thumb of the operator, the sheets being left entirely free. In the embodiment of my invention disclosed herein I have provided one of these fixed portions or blocks at each upper corner of the pad, but it will be understood that but one of these blocks need be provided and at any desired location. In order that the pad may be manipulated without danger of soiling or smutting the fingers, the transfer sheet is cut away above the blocks, as at 7, thus exposing said blocks and forming a notch through which the thumb of the operator passes when manipulating the pad.

In the embodiment shown in Figs. 3 and 4 the cut-away portions of the leaves which constitute the blocks 7 are shown as extending a greater distance across the upper portion of the pad than in the embodiment shown in Fig. 2, leaving a narrow neck 8 connecting the original and duplicate leaves.

One of the several modes of manipulating the herein shown embodiment of the pad may be briefly described as follows: The pad being held in the left hand of the operator may be securely grasped between the fingers and thumb of the operator, which engage respectively the back of the pad and the fixed portion. The uppermost leaf may then be raised by grasping the same with the fingers of the right hand, whereupon the transfer sheet will fall upon the next succeeding or duplicate leaf, after which the raised original leaf may be allowed to fall upon the back of the transfer sheet. The pad is now in condition to receive any suitable inscription, which will be transferred upon the duplicate leaf. The uppermost leaf is then grasped by the thumb and fingers of the right hand and swung outwardly, and then pulled outwardly to withdraw the duplicate leaf from beneath the transfer sheet, which operation will compel the next succeeding original leaf to be likewise withdrawn from beneath the transfer sheet. The original and duplicate leaves upon which the inscription has been written are then detached from said succeeding original leaf, and the latter leaf allowed to fall upon the transfer sheet, which is now lying upon the next succeeding duplicate leaf. Substantially this same operation may be performed with each pair of original and duplicate leaves throughout the pad. It will be seen that inasmuch as the transfer sheet is cut away to expose the fixed portion which is grasped by the fingers of the operator, a firm grasp may be obtained upon the book without bringing the fingers in contact with said sheet, the construction being such that it is not necessary to handle the same during any stage of the manipulation of the pad.

It will thus be seen that I have provided a pad of the above type characterized by increased simplicity and efficiency, and one which may be manipulated without soiling or smutting of the fingers. The leaves are preferably cut away at the upper or unused portions thereof, and therefore the efficiency of the pad is in no wise diminished, and moreover, the leaves at their upper portions being connected by weakened lines of a length less than the width of the pad, they may with greater ease be detached from each other.

While I have shown my invention as applied to a sales-book or pad of the continuous type, it will be clearly apparent that it may be applied in a variety of relations

to pads of other types and still retain the advantages sought to be attained herein.

As many changes could be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a device of the class described, a backing, a pad comprising a pile of attached sheets secured to said backing, a portion being cut away from the body of the pad to form a block and secured to said backing, and an overlying carbon sheet having a portion cut away to expose said block.

2. In a device of the class described, a backing, a pad comprising a pile of sheets secured to said backing, said pad being provided with a notch which extends transversely therethrough, and a member located in said notch and secured to said backing adapted to be grasped by the operator when the pad is manipulated.

3. In a device of the class described, a backing, a pad comprising a pile of sheets secured to said backing, a portion of each of said sheets being cut away and the portions thereof cut away secured to said backing.

4. In a device of the class described, a backing, a pad comprising a pile of sheets secured to said backing, said pad being provided with a notch which extends transversely therethrough, a member located in said notch adapted to be grasped by the operator when the pad is manipulated, and an overlying transfer sheet having a portion cut away to expose said member.

5. In a device of the class described, a backing member a pad comprising a plurality of sheets secured to said backing member, a portion of each of said sheets being cut away, the portions thereof cut away being secured to said backing member, and a transfer member overlying said pad and having a portion thereof cut away to expose the cutaway portions of said sheets.

6. In a device of the class described, a backing a pad comprising a pile of leaves detachably connected together and connected to said backing, a portion of each of said leaves being severed therefrom near its edges and permanently secured to the backing.

7. In a device of the class described, a backing a pad comprising a plurality of leaves detachably connected together and attached to said backing, a portion of each of said leaves near the edges thereof being severed therefrom and permanently secured

to the backing, and a transfer sheet overlying said leaves and adapted to be inserted therebetween, said transfer sheet having a portion thereof cut away to expose the severed portions of said leaves.

8. In a device of the class described, a backing a pad comprising a plurality of sheets secured to said backing, at least one corner of each of said sheets being severed therefrom, said severed portion being secured to the backing and forming a permanent portion of the pad.

9. In a device of the class described, a backing a pad comprising a plurality of leaves secured to said backing, at least one corner of each of said leaves being severed therefrom and secured to the backing, and a transfer sheet overlying said pad and adapted to be inserted between the leaves thereof, said transfer sheet having a portion cut away to expose the severed portions of said leaves.

10. In a device of the class described, a backing a pad comprising a pile of sheets secured to said backing, an upper corner of each of said sheets being severed therefrom and permanently secured to the backing.

11. In a device of the class described, a backing a pad comprising a plurality of sheets secured to said backing, an upper corner of each of said sheets being severed therefrom and permanently secured to said backing, and a transfer sheet overlying said pad and having an upper corner thereof cut away to expose the severed portions of said sheets.

12. In a device of the class described, a backing a pad comprising a pile of leaves folded in zigzag form and secured to said backing and having a notch extending transversely through the body of the pad, and a member secured to said backing and located within said notch.

13. In a device of the class described, a backing a pad comprising a pile of leaves folded in zigzag form and secured to said backing, a portion of said pad being severed therefrom and permanently secured to said backing, said severed portion being adapted to be grasped when the pad is manipulated.

14. In a device of the class described, a backing a pad comprising a pile of leaves folded in zigzag form and secured to said backing, said pad having a notch extending transversely therethrough, a member secured to said backing and located within said notch, and a transfer sheet secured to said pad and overlying the same, said transfer sheet having a portion thereof cut away to expose said member.

15. In a device of the class described, a backing member a pad comprising a plurality of leaves folded in zigzag form and secured to said backing member, a portion of each of said leaves being entirely severed

therefrom and secured to said backing member, and a transfer sheet overlying said leaves and adapted to be inserted therebetween, said transfer sheet having a cutaway portion registering with the severed portions of said leaves.

16. In a device of the class described, a backing a pad comprising a pile of leaves folded in zigzag form and connected to one another along weakened lines, a portion of each of said leaves adjacent one end of said pad being severed therefrom and secured to said backing.

17. In a device of the class described, a backing a pad comprising a pile of leaves folded in zigzag form and connected to one another along weakened lines, portions of each of said leaves adjacent one end of said pad being severed therefrom and secured to said backing, and a transfer sheet overlying said leaves, said transfer sheet having a portion thereof removed to expose the severed portions of said leaves.

18. In a device of the class described, a backing a pad comprising a plurality of leaves folded in zigzag form and connected to one another along weakened lines, the inner leaf thereof being secured to said backing, an upper corner of each of said leaves being severed therefrom and secured to said backing, and a transfer sheet overlying said leaves and adapted to be inserted therebetween, said transfer sheet having a portion thereof removed to expose the severed portions of said leaves, whereby said severed portions may be grasped and the pad manipulated without soiling the fingers of the operator.

19. In a device of the class described, a backing member, and a pad comprising a pile of sheets detachably secured together and attached to said backing member, a portion of each of said sheets being severed and secured to said backing member adjacent the remaining portions of said sheets to form finger gripping means.

20. In a device of the class described, a backing, and a pad comprising a pile of leaves folded in zigzag fashion and secured to said backing, a portion of each of said leaves being severed and secured to said backing adjacent said leaves to form finger gripping means.

21. In a device of the class described, a backing, a pad comprising a pile of leaves folded in zigzag fashion and secured to said backing, a portion of each of said leaves being severed and secured to said backing adjacent the remaining portions of said leaves to form finger-gripping means, and a transfer sheet overlying said leaves and cut away to expose said finger gripping means.

22. A device of the class described comprising a backing member, a pile of sheets secured to said backing member, a portion

of each of said sheets being cut away, and said cut-away portions being secured together and attached to said backing to form a finger gripping means, and a transfer sheet
5 overlying said pile of sheets and having a portion cut away to expose the cut-away portions of said sheets.

23. In a device of the class described, a pad comprising a pile of leaves attached to
10 one another, a finger gripping member in juxtaposition to said pad, and a transfer sheet secured to said pad and adapted to be inserted between said leaves and having a cut away portion to expose said finger
15 gripping member.

24. In a device of the class described, a pad comprising a pile of leaves attached to one another, a back to which said pad is secured, a finger gripping member secured to said back in juxtaposition to said pad 20 and a transfer sheet secured to said pad and adapted to be inserted between said leaves and having a cut away portion to expose said finger gripping member.

In testimony whereof I affix my signature, 25
in the presence of two witnesses.

EDWARD KIRBY BOTTLE.

Witnesses:

JOHN R. DICKSON,
GEO. D. CAMPBELL.