

T. M. EYNON.

RECORD BOOK.

APPLICATION FILED FEB. 7, 1910.

992,413.

Patented May 16, 1911.

FIG. 1.

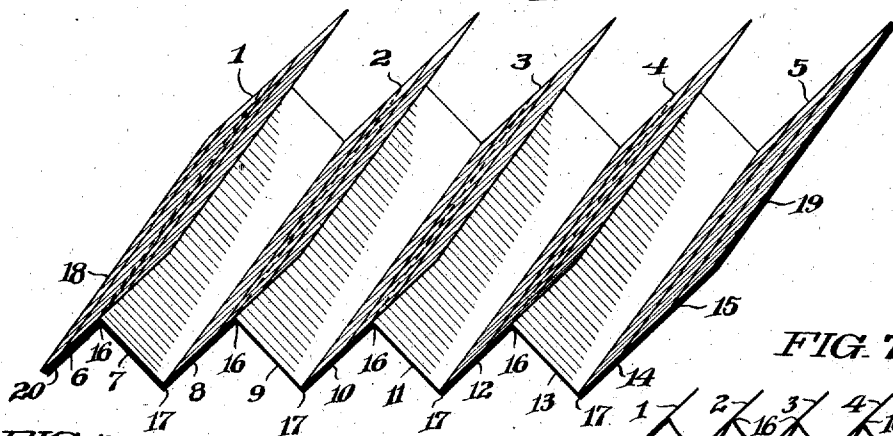


FIG. 7.

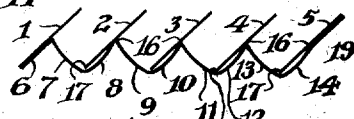


FIG. 2.

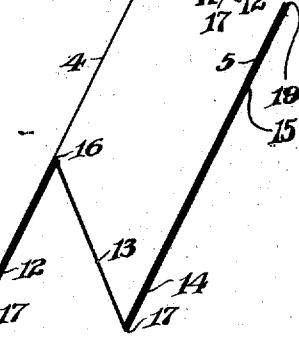


FIG. 3.

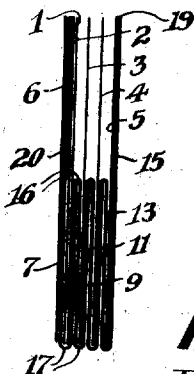


FIG. 4.

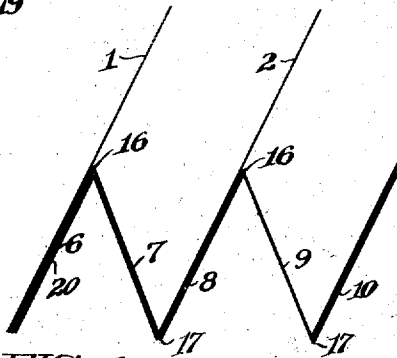
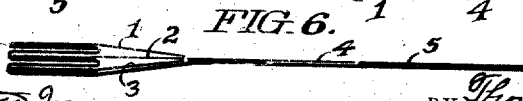


FIG. 5.

NO	NAME	NO	DAY	OCTOBER	NOVEMBER	DECEMBER
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
VISITORS						
TOTAL SUNDAY						
TOTAL ATTEND						

NO	NAME	NO	DAY	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
VISITORS									
TOTAL SUNDAY									
TOTAL ATTEND									

FIG. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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RECORD-BOOK.

992,413.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THOMAS M. EYNON, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia, State of Pennsylvania, have invented a certain new and useful Record-Book, of which the following is a specification.

The purpose of my invention is to produce a record book in which any of the leaves of the book can be placed in juxtaposition to any other of the leaves in said book for comparison or any other desired purpose.

The further purpose of my invention is to secure one leaf of a book to the medial line of an adjoining leaf by hinged connection and at such distance as to make it possible to bring the two leaves into substantially the same plane and with either effective edge of one adjoining the effective edge of the other.

The further purpose of my invention is to secure a plurality of leaves in order, as from left to right, in such manner that each shall bear a given relation to the next in order, the successive relations of the several leaves to those adjoining them being identical, and be capable of being brought into substantially the same plane with any other with the effective edges of adjoining leaves substantially together. The structure may be arranged to make either cover of the book the front cover when intended to be opened in one direction only or so as to open from either end with equal facility using either cover as front cover at will.

A further purpose of my invention is to provide for the use of either front or back of the first leaf as the actual front cover of the book, facing the inner front leaf as normally folded either toward or away from the next leaf.

The further purpose of my invention is to provide an extensible book in which all or any number of the leaves may be brought into successive positions within substantially the same plane and in which all or any number of the leaves subsequent to a given leaf considered either from the back or from the front may be thrown back of or in front of the said leaf as may be preferred in the form of my construction selected.

A further purpose of my invention is in one form to provide a permanently attached backing and support for a part, preferably a half of each of a number of leaves and to complete the backing by a member capable

of being collapsed in accordion-fashion against the permanently attached portion or extended to support the remainder of the leaf.

While I have preferred to illustrate my invention by those forms thereof which have been found to be most desirable and practical in use, I recognize that it is capable of application to a large variety of uses and in a large variety of embodiments and I desire my illustration therefore not to be understood as representing all of the forms or all of the uses to which my invention is intended to apply.

In the drawings, Figure 1 is a perspective view of the preferred form of my invention. Fig. 2 is an end elevation of the structure seen in Fig. 1. Fig. 3 is an end elevation of the structure seen in Figs. 1 and 2, in collapsed position. Figs. 4 and 5 are top plan views of the structure seen in Figs. 1, 2 and 3, in different partially extended positions. Fig. 6 is an end elevation of the structure seen in Fig. 5. Fig. 7 is a diagrammatic view of a modified form of my invention.

In a large variety of places where records are to be made in columns representing a considerable time, space or other element, all compared or relating back to the same initial subject matter, difficulty is found in following out the lines accurately to the columns, spaces or portions farther removed from the subject matter. Any space and structure, extending the distance from the name of the given subject matter to the column for the data or other material to be inserted in respect to it, renders the book additionally liable to injury because of the greater space occupied and is unhandy and awkward in use for the same reason. My invention is intended to obviate this difficulty and has been applied with great advantage to class records for Sunday school and allied uses.

1, 2, 3, 4, and 5 represent any desired number of leaves or sheets whether of stiff or flexible character, which are designed to contain subject matter which is to be compared or used in any desired relative juxtapositions of the leaves. I prefer to connect the desired number of leaves by foldable portions 6, 7, 8, 9, 10, 11, 12, 13, 14 and 15, corresponding to the number of leaves used and of general zigzag or bellows-like form. Of these I prefer to attach the portions 6,

8, 10, 12, and 14 to the leaves of a book intended to have the common subject matter upon the first leaf, as 1, attaching also preferably 15 in such case because it is the final leaf. It will be evident that the attachment need be made along the medial lines only, as in Fig. 7, if desired, except as it may be desirable in specific instance to support the first and last sheets by further attachment of this portion to constitute a support, cover or backing for these sheets and to render the attachment of the foldable portions to the final leaves more secure.

My object is to make each leaf in either direction, as may be desired, swing about approximately the medial lines 16 of the adjoining leaves and, as will be seen, except for convenience in operation and stiffness of structure, it is not necessary that any other portion of the foldable structure be attached to the leaf than that lying along the approximately medial lines.

I prefer to make the portions 7, 9, 11, 13, in case the left leaf is the preferred leaf having the common structure thereon and forming the effective front of the book, of such length that when extended the edges of the successive sheets shall lie substantially together, though evidently it may be somewhat greater than this where a slight spacing is desired, and somewhat less where the structure is improved by overlapping. In either event, two effective hinges are provided at the medial lines 16 and edges 17, respectively, by which the structure can be collapsed wholly as in Fig. 3, or partially, or extended to any desired extent as in Figs. 4 and 5, each medial line 16 affording a pivot about which the succeeding sheet or sheets may be extended to a position corresponding, with respect to the preceding leaves, to the position of the leaf whose medial line is used as the hinge with respect to these previous leaves. Thus, if leaves 1, 2, and 3 are collapsed leaf 4 would be brought into juxtaposition with leaf 1 whether leaf 5 be extended or collapsed. In this manner, any arrangement of leaves may be secured in extended position which does not transpose the initial position of the leaves considered.

While any relative arrangement of the leaves extended can be secured by the structure shown in Fig. 1 in which parts 14 and 15 are attached, this does not permit the last leaf 5 to be turned outwardly with its back against the back of leaf 4, corresponding to the permissible position of leaf 1 with its back toward the face of leaf 2. If the portion 14 be freed from attachment to leaf 5 as far as the medial line 16, however, this shifting of the last leaf to turn it outwardly is permissible. It might be desirable in case of subject matter in which the book could be used with equal facility with either edge up and with either page 5 or 1 representing the

first page of the book. In this case it might be desirable to have the portions 8, 10 and 12 free to move with respect to the pages 2, 3, and 4 having the foldable portions attached along the medial lines 16 only, though this would evidently not be essential as the relative juxta-position of the leaves or sheets could be attained by the structure of Fig. 1. The extension of the part 6 to the outer edge 18 of leaf 1 and of the part 15 to the outer edge 19 of leaf 5 provide complete protecting covers for the leaves upon which any desired subject matter can be imprinted or secured as at 20 for title or other desirable purposes.

The facing shown at 20 may be of flexible material or comprise relatively stiff material, creased or otherwise weakened along the medial line so as to bend freely. Likewise the foldable portions 6, 7, etc., may be of either flexible or stiff material, providing they permit hinge-like action along the lines corresponding to the approximate edge and medial lines of the leaves.

When a book, such as that shown in Fig. 1, is arranged with the portions 8, 10, 12, 14 loose from the sheets, as in Fig. 7, so that the book is reversible, permitting the under halves of the leaves 1, 2, etc., to form extensible page surfaces with the inside foldable portions 7, 9, the under halves of these leaves and the inside of the foldable portions can be supplied with any suitable blanks, data or surfaces to cooperate with each other or with the sheet 5.

It will be evident that I have formed a collapsible book presenting any of a series of leaves in juxta-position and capable of reversibility to make use of either inner cover page as the front thereof, outside or inside, and offering leaves for comparison or use in juxta-position with the book opening in either direction.

What I desire to secure by Letters Patent is:—

1. In a book, a plurality of leaves and a connection between each two adjoining leaves uniting the medial line of one leaf and the edge of the next.
2. In a book, a plurality of leaves and a connection between adjoining leaves united to one leaf along its medial line and hinged to both leaves.
3. In a device of the character stated, a binding member of zig zag formation extensible into a plane and leaves approximately twice the width of the sections of the binding member and attached to alternate sections, whereby when the sections are extended one leaf may overhang an intermediate section and register substantially with the edge of any other leaf.
4. In a book, a plurality of sheets, members uniting the middle of each sheet to the adjoining sheet, leaving one-half of each

sheet free from contact therewith and an outer cover rigidly secured to half of the back of one of the sheets.

5 In a book, a pair of leaves and a support therefor joining the leaves and foldable upon itself between them, the lines of the folds being substantially at the middle of

one of the leaves and at the edge of the other.

THOMAS M. EYNON.

Witnesses:

F. J. McMAHON,
MABEL S. BEARNE.