

March 14, 1950

A. G. DE VRY
PHOTO RECORD BOOK

2,500,528

Filed May 31, 1946

2 Sheets-Sheet 1

Fig. 1.

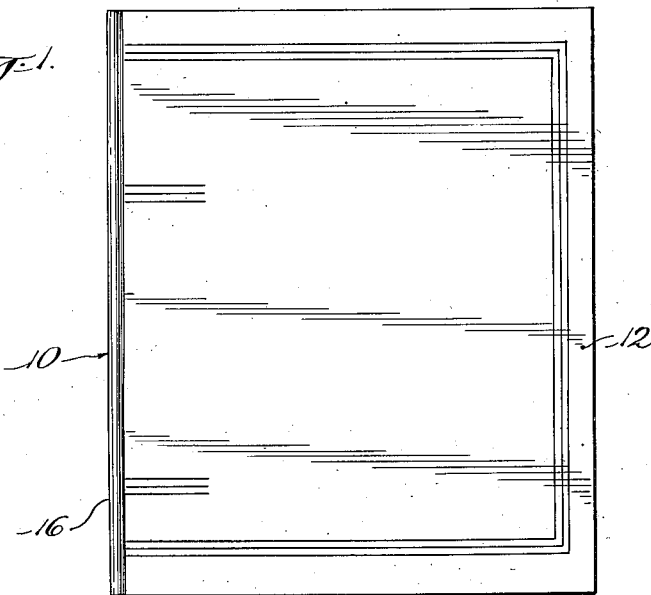


Fig. 2.

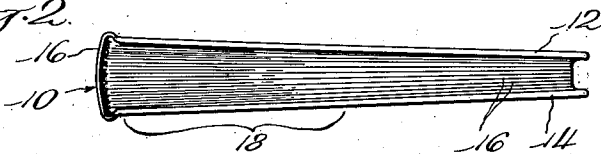
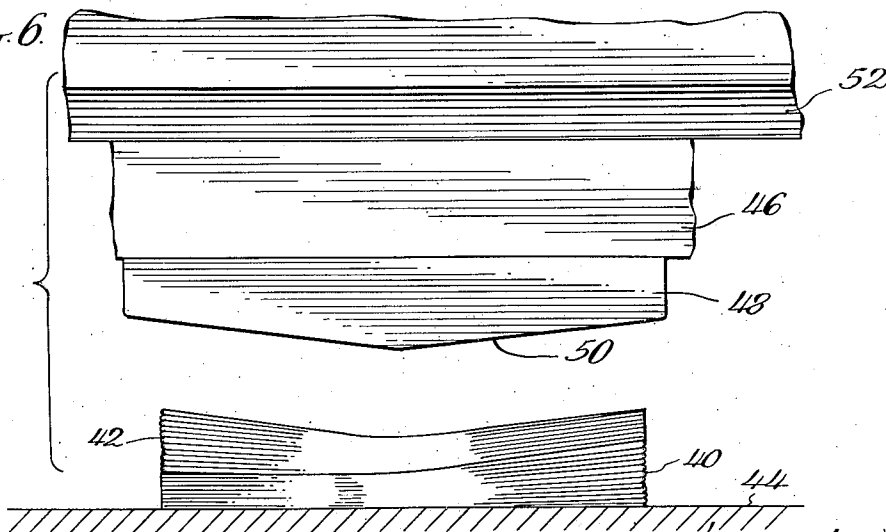


Fig. 6.



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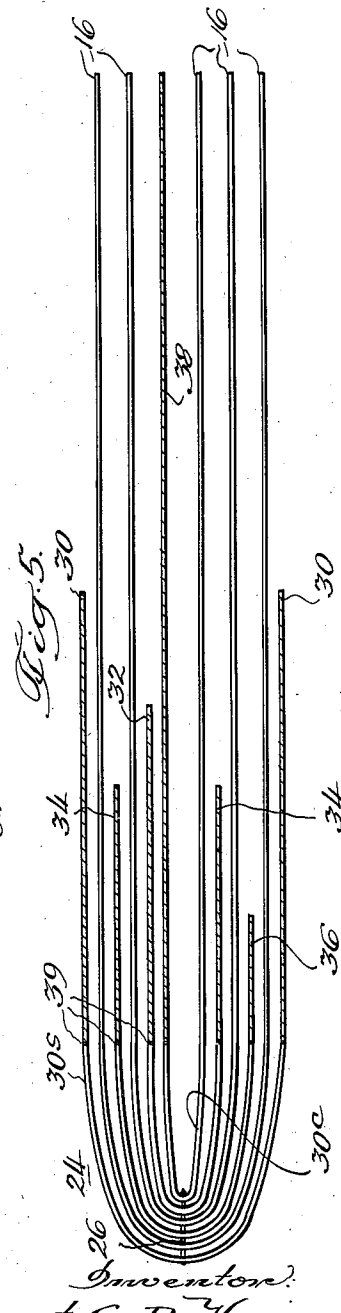
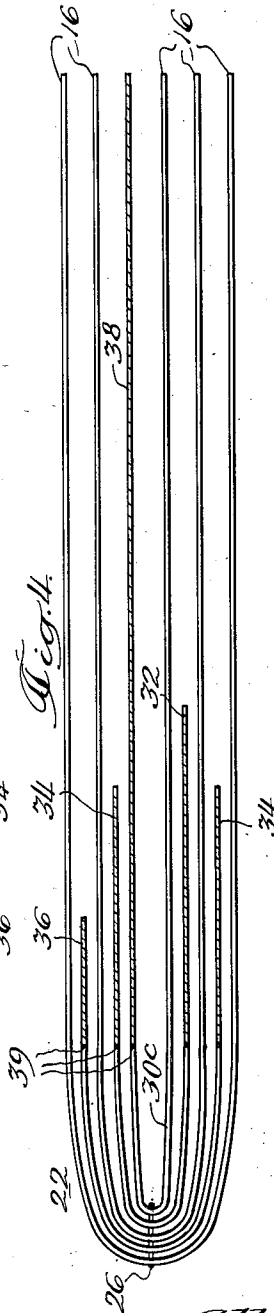
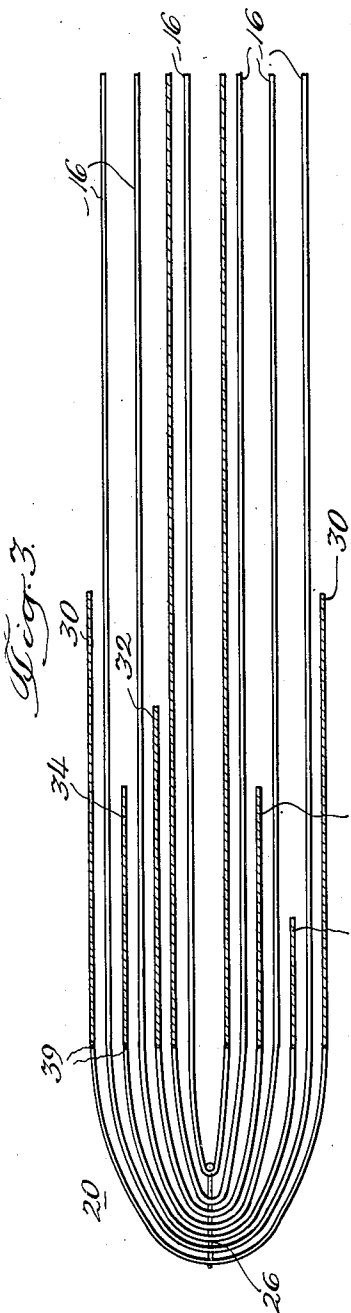
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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

2,500,528

PHOTO RECORD BOOK

Albert G. De Vry, Chicago, Ill.

Application May 31, 1946, Serial No. 673,464

6 Claims. (Cl. 281—22)

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The present invention relates to a photo record book and has for its primary object the provision of a new and improved book of this character.

One of the primary objects of the present invention is the provision of a new and improved record book which can be constructed readily and economically and which will, at the same time, be pleasing in appearance.

Photo record books usable for various purposes such as a photo album, a record book, and a diary, have been constructed in the past with alternate permanently bound sheets of full width and other alternate permanently bound sheets including removable or "tear out" portions which are removed as the book is filled with photographs or the like, in order that the book will have a pleasing appearance when photographs are added thereto. Books of this type are open to the objection that a considerable portion of the paper utilized in manufacture is wasted. Efforts have heretofore been made to minimize this waste of paper but they have been unsuccessful because of the inability to manufacture the books. This inability resulted from the fact that when the size of the removable portions was reduced, it was impossible evenly to trim the top and bottom edges of the pages without the use of fillers, which have to be substituted for the paper removed in reducing the size of the removable portions. The fillers are required to make the book or book body of uniform size so that it can be firmly clamped or held during the trimming or cutting operation. If not securely held during this operation, the portions of the pages which are loosely held are likely to be torn or unevenly trimmed, with the result that the book would be unsightly. These difficulties are avoided in simple manner by the present invention without the use of fillers and the added labor and expense in putting in and taking out the fillers, by providing the book with tear out portions of varying width so distributed among the full size pages and of such number as to give the book or book body a gradual taper enabling the pages to be clamped or held over their entire width.

Another of the objects of the present invention is to provide a new and improved photo record book wherein the top and bottom edges of the pages may be trimmed readily and evenly.

A further and more specific object of the present invention is the provision of a new and improved permanently bound photo record book, including a plurality of what might be called full

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width, spaced apart pages and another plurality of pages disposed in the spaces between said first-mentioned pages and having removable portions of varying width.

Another object of the present invention is to provide a new and improved record book of the character set forth in the preceding paragraph wherein said removable portions are of varying width and so disposed relative to the pages of equal width as to give at least a portion of the book a substantially uniformly varying thickness. More specifically, it is preferred that the aforesaid portion of varying thickness be near the back of the book and extend approximately to the center of the book and that the pages with removable portions be distributed substantially uniformly among the full width pages.

Other objects and advantages of the present invention will become apparent from the ensuing description of one embodiment of the invention, in the course of which reference is had to the accompanying drawings, in which:

Fig. 1 is a top plan view of a book constructed in accordance with the invention;

Fig. 2 is a bottom elevational view of the book;

Figs. 3, 4 and 5 are enlarged and somewhat diagrammatic and elevational views of three of a number of sections permanently bound to form the body of the book; and

Fig. 6 is a front elevational view showing a pair of coverless bound book bodies placed upon a paper cutter preparatory to trimming the top and bottom ends thereof.

The photo record book of the present invention illustrated in Figs. 1 and 2 is of the permanently bound type. It is indicated as a whole by reference character 10 and includes front and back covers 12 and 14, respectively, and a backbone 16.

In accordance with the primary feature of the present invention, the book is constructed with a minimum of material whereby it is made less expensive and wastage of material is avoided. From Fig. 2, it will be noted that the covers converge, this indicating that the full width permanently bound pages, indicated by reference characters 18, do not fill the entire thickness of the book. A greater number of pages are shown in the region or section of the book near the back, as indicated by reference character 18, this region being that at which, in accordance with the invention, there are provided a plurality of pages having removable or "tear out" portions of varying width enabling the top and bottom edges of the body neatly and satisfactorily to be

trimmed, as will be described in greater detail shortly.

The book, which is of the permanently bound type, includes a plurality of sections, such as those indicated by the reference characters 20, 22 and 24 in Figs. 3, 4 and 5, respectively. Each of the sections includes a number of the full size permanent pages 16 and a plurality of pages with removable portions of varying width bound together preferably with the Smyth type of stitching, indicated by the reference character 25.

The number of full size pages used in making a book is preferably such that when they have mounted thereon photographs or other material and the removable portions have been removed, at least for the most part, the book will be substantially flat. Thus the book is made with a minimum of paper and will remain sightly and may be easily kept with similar or other kinds of books on a book shelf or the like.

Referring now more particularly to Figs. 3, 4 and 5, it will be noted that the full width permanent pages 16 have been indicated by double lines and the removable portions of the remaining pages have been indicated by triple or shaded lines. This showing facilitates disclosure and understanding of the invention and readily makes apparent the construction whereby the back region 18 of the book is constructed with a varying thickness decreasing from the full thickness of the book to the thickness determined by the number of full width pages.

The three book sections 20, 22 and 24, illustrated in Figs. 3, 4 and 5, include pages having removable portions of varying and lesser width than the permanent pages 16. While the removable portions may be of varying width, they have been illustrated as including the portions 30 having a width of about three and one-half inches, i. e., slightly less than one-half the width of the full width pages; the portions 32 having a width of about two and five-eighths inches; the portions 34 having a width of about two inches; and the portions 36 having a width of about one inch. These widths, it should be understood, are purely illustrative and may be varied if desired.

The photo record book is made primarily of sections corresponding to the sections 22 and 24, although one or more sections corresponding to section 20 may be used. Assuming that one section 20 is used as the first section, it is followed by sections 22 and 24 and other sections corresponding to the latter arranged alternately so that there is a removable portion between each pair of permanent pages 16. It might be noted that the sections 22 and 24 correspond to each other except that the latter has, as an added element, an outer sheet 30S including the removable portions 30.

In accordance with another feature of the present invention, the center sheets 30C are provided with full width removable portions 38 so that when the assembled book sections are placed over the arm of a sewing machine they can be readily placed over the arm without likelihood of a short removable portion, such as the portion 34 in Fig. 4, or 32 in Fig. 5 being inaccurately located on the arm and causing improper sewing.

It will be seen that the use of the center sheets 30C with their full width removable portions results in the location of two removable portions adjacent each other. This is not a disadvantage and, as a matter of fact, it may be de-

sirable in some cases where a greater number of taper providing sheets is desired, or where it is desired to provide more space for the photographs and the like.

The "tear out" line may be preformed as by the series of perforations 39. These perforations may be located a suitable distance from the stitching 26. A distance of about one-half inch for pages having a width of about eight and one-half inches is suitable.

When the various book sections have been properly assembled, sewn, and bound to form the body of the book, the top and bottom edges of the sheets can be trimmed without tearing or other disfiguration, even though the tear out portions are not the full width of the pages and no fillers are used. For example, the two bodies indicated by reference characters 40 and 42 in Fig. 6 may be placed one upon the other in opposed relation upon the bed plate 44 of a power-driven paper cutter. They may be firmly held during the trimming operation by a movable clamping plate 46 having secured to its underside a holding plate 48 having a lower face 50 tapered firmly to hold the bodies when they are placed one above the other as illustrated in the figure. In trimming, the clamping plate 46 is first depressed firmly to hold the bodies, after which the knife 52 is lowered to trim the pages.

The trimming is uniform and accurate and does not result in the tearing of any of the pages because of the gradual taper in the thickness of the body resulting from the use of pages having removable portions of varying width positioned among the full width pages. The gradual taper in the thickness of the body enables the clamping plate firmly and securely to hold all the pages of the book over their entire widths so that the cutting means will not tear or unevenly cut the edges.

A book constructed in accordance with the present invention cannot only be made readily but it can be made economically and without the waste of paper.

The present invention may be applied not only to books of the type described herein, but it may also be applied to photo record books of the type disclosed and claimed in my copending application, Serial No. 522,874, filed February 18, 1944, including one or more pages or sheets of a width less than that of the book adapted to receive an insert, such as a photo, between them and to be secured to said insert.

While the present invention has been described in connection with the specific details of a single embodiment, it should be understood that it is susceptible of variations, as indicated in the preceding paragraph, and that the details should, therefore, not be considered as limitative of the invention except as set forth in the accompanying claims.

What I claim as new and desire to secure by Letters Patent is:

1. A permanently bound photo record book, including in combination, a plurality of spaced apart pages, and another plurality of pages having removable portions of varying width disposed in the spaces between said first-mentioned pages, there being at least one of said second plurality of pages between each pair of said first plurality of pages.

2. A photo record book, including in combination, a plurality of pages of equal width, and a plurality of other pages having removable portions, said removable portions being of varying

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width and there being a sufficient number of them so distributed among the pages of equal width as to give at least a portion of the book a substantially uniformly varying thickness.

3. A photo record book, including in combination, a plurality of pages of full width permanently bound in the book, and a plurality of other pages also permanently bound in the book and having removable portions, said removable portions extending from a generally uniform point near the back of the book to varying points toward the opposite side of the book and there being a sufficient number of them distributed substantially uniformly among the full width pages to provide a book having a back portion of gradually decreasing thickness.

4. A photo record book, including in combination, a plurality of pages of full width permanently bound in the book, and a plurality of other pages also permanently bound in the book and having removable portions, said removable portions extending from a generally uniform point near the back of the book to varying points toward the opposite side of the book and there being a sufficient number of them distributed substantially uniformly among the full width pages to provide a book having a back portion of gradually decreasing thickness, and the widest of said removable portions having a width of about one-half of the width of the full width pages.

5. A photo record book, including in combination, a plurality of pages of full width permanently bound in the book, and a plurality of other pages also permanently bound in the book and having removable portions, said removable portions

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tions extending from a generally uniform point near the back of the book to varying points toward the opposite side of the book and there being a sufficient number of them distributed substantially uniformly among the full width pages to provide a book having a back portion of gradually decreasing thickness, certain of said pages with removable portions having widths corresponding to that of the full width pages.

6. A photo record book, including in combination, a plurality of sections, each including a plurality of permanently bound pages of full width, and a plurality of other pages also bound in the book having removable portions, said removable portions extending from a generally uniform point near the back of the section to varying points toward the opposite edge of the book and there being a sufficient number of them distributed substantially uniformly among the full width pages to provide a book having at least an inner portion of gradually decreasing thickness, and the center pages of the section being of full width.

ALBERT G. DE VRY.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
759,990	Hall	May 17, 1904

FOREIGN PATENTS

Number	Country	Date
21,186	Great Britain	Oct. 18, 1905