(Model.) 3 Sheets—Sheet 1.

H. A. M. DITTMAR.

PHOTOGRAPHIC ALBUM WITH SEPARABLE LEAVES.

No. 387,629. Patented Aug. 14, 1888.

Fig. 1.

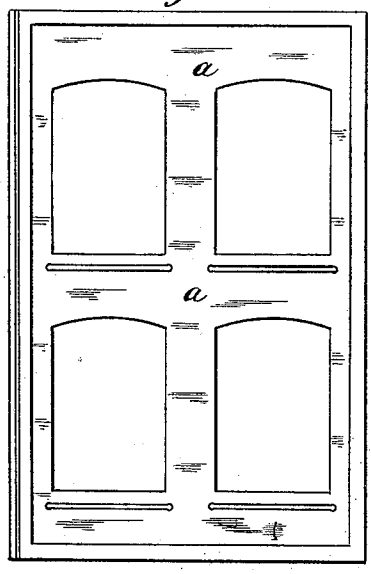
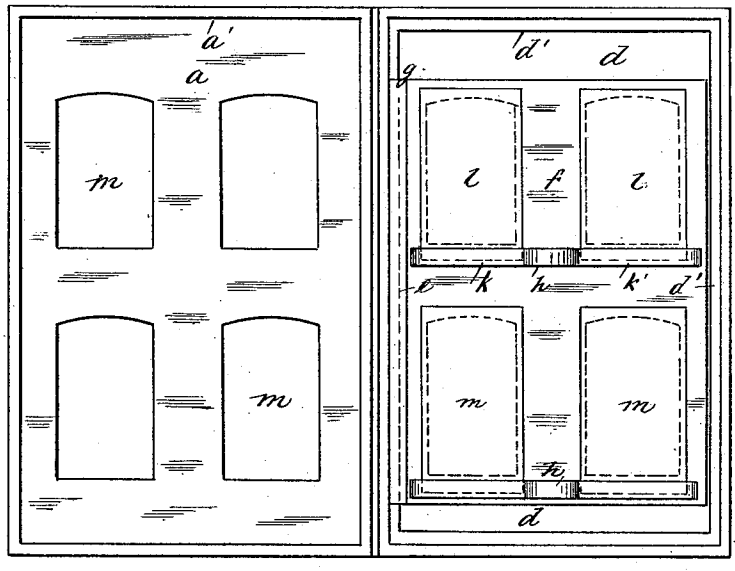


Fig. 2.



WITNESSES:
Gabriel J. W. Galtier
H. M. Suppler.

INVENTOR.
Henriette Auguste Marie Dittmar.
BY Richards & Co.
ATTORNEYS.

N. PETERS. Photo-Lithographer. Washington, D. C.

(Model.) 3 Sheets—Sheet 2.

H. A. M. DITTMAR.

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Fig. 3.

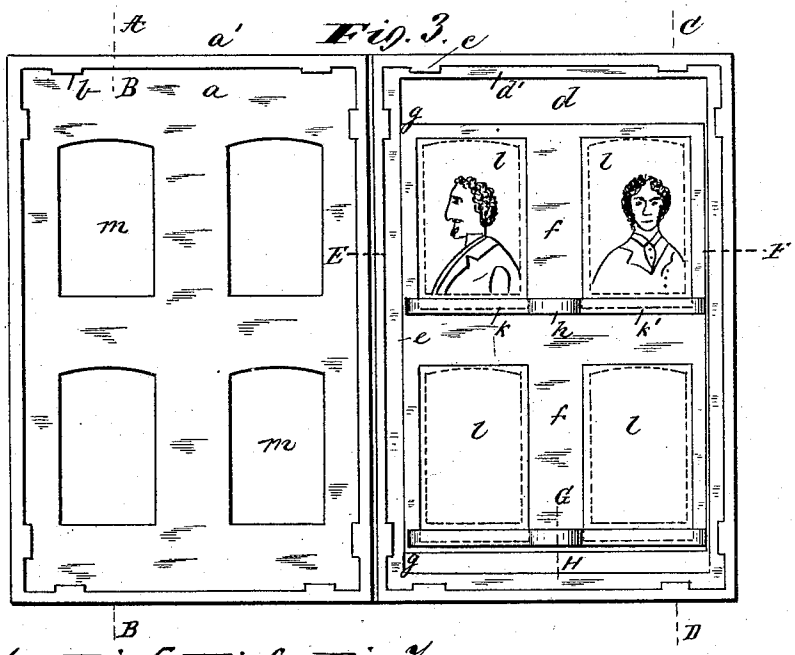


Fig. 4.

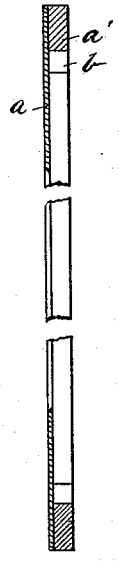


Fig. 5.

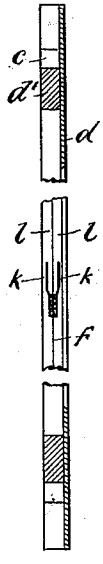


Fig. 6.

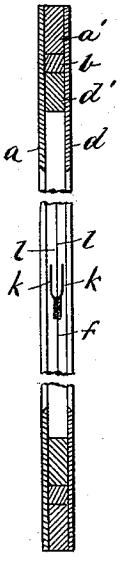


Fig. 7.



Fig. 8.

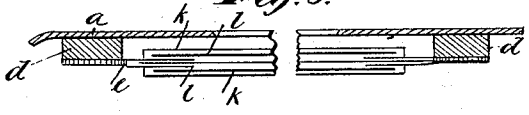
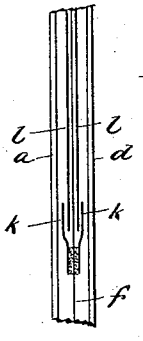


Fig. 9.



WITNESSES:
Gabriel J. W. Galsterer.
H. M. Suppler.

INVENTOR.
Henriette Auguste Marie Dittmar,
BY
Richards & Co.
ATTORNEYS.

N. PETERS. Photo-Lithographer, Washington, D. C.

(Model.) 3 Sheets—Sheet 3.

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Fig. 10.

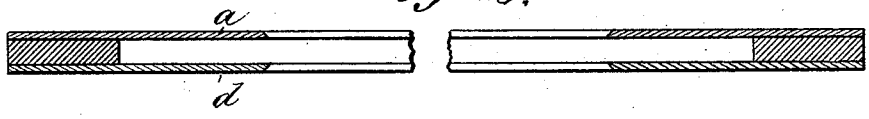


Fig. 11.

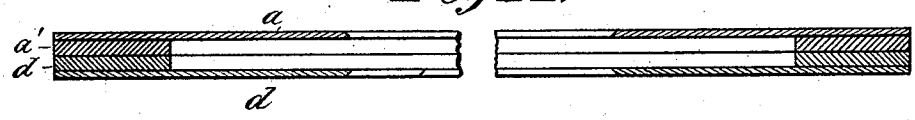


Fig. 12.

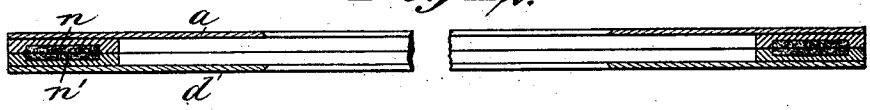


Fig. 13.

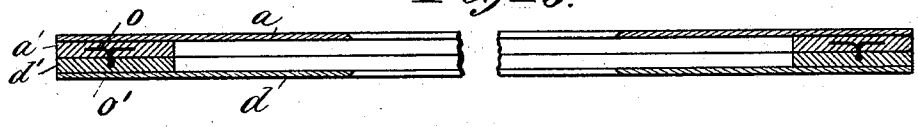


Fig. 14.

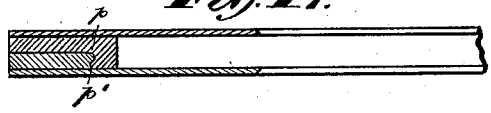
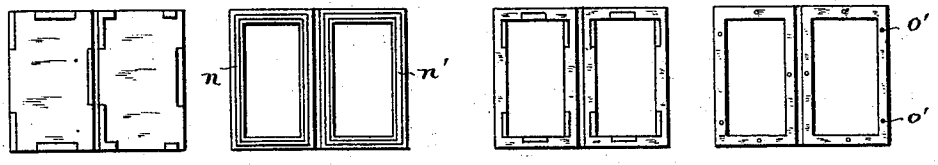


Fig. 15 Fig. 16. Fig. 17 Fig. 18.



WITNESSES:
Gabriel J. W. Galster.
H. M. Supplee.

INVENTOR
Henriette Auguste Marie Dittmar.
BY Richards & Co
ATTORNEYS.

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

HENRIETTE AUGUSTE MARIE DITTMAR, OF BERLIN, GERMANY.

PHOTOGRAPHIC ALBUM WITH SEPARABLE LEAVES.

SPECIFICATION forming part of Letters Patent No. 387,629, dated August 14, 1888.

Application filed June 16, 1887. Serial No. 241,536. (Model.) Patented in England April 23, 1887, No. 5,966.

To all whom it may concern:

Be it known that I, HENRIETTE AUGUSTE MARIE DITTMAR, of Berlin, German Empire, have made new and useful Improvements in Albums for Photographs, (the same having been patented to me in Great Britain on the 23d day of April, 1887, No. 5,966,) of which the following is a specification, reference being made to the drawings, which form a part hereof.

My invention relates to photograph-albums.

In photograph-albums as heretofore manufactured the photographs are generally fixed by inserting them through slits in the card-board leaves below the spaces designed for the photographs, as shown in Figure 1 of the drawings hereinafter referred to.

In some photograph-albums, especially those in which each side of the leaf is designed for only one photograph, the photographs are inserted through a slit made in the edge of the leaf, which slit communicates with the free space left for the photographs when the several thicknesses of card-board, of which the leaf is composed, are pasted together.

In the construction first referred to the ornamented cover-paper of the leaf is frequently torn and injured. This construction is, moreover, inconvenient and necessitates some skill to insert or remove the photographs.

According to the present invention each leaf is made in two parts, so that to insert a photograph it is only necessary to separate the two halves or parts from each other, to lay the photograph in the place designed for it, and to again close the two parts of the leaf against each other.

In the accompanying drawings, Fig. 1 is a front view of a leaf of a photograph-album provided with slits in the known manner for introducing the photographs. Fig. 2 is a photograph-album leaf consisting of two parts arranged according to my invention. Fig. 3 is a view similar to Fig. 2, but illustrating a modification of the said invention. Fig. 4 is a section on the line A B, Fig. 3. Fig. 5 is a section on C D, Fig. 3. Fig. 6 is a section through the improved leaf when the two parts are placed together. Fig. 7 is an edge view of the leaf with the two parts together. Fig. 8 is a section on the line E F, Fig. 3. Fig. 9 is a section on the line G H, Fig. 3. Figs. 10, 11, 12, 13, and 14 are views illustrating modifications of the construction represented in Figs. 2 to 7. Figs. 15, 16, 17, and 18 are views on a smaller scale, illustrating various means for effecting the engagement and securing together of the contiguous sheets.

The part of the leaf represented at the left of Fig. 2 consists of a card-board sheet, *a*, which contains openings that serve, as it were, as frames for the photographs. Upon the back side of the card-board—that is to say, upon the one represented in the drawings—is pasted or glued around its edge a strong pasteboard rib, *a'*. The other card-board sheet, *d*, forming the second half of the album-leaf, has openings, as above described, and is designed for the reception of, or as a frame for, four photographs. Upon the back or inner side of the same is likewise pasted a strong pasteboard rib, *d'*. The latter forms the counterpart in all respects of the rib *a'*, so that the inner edges of the rib *a'* fit firmly against the outer edges of the rib *d'* when the two parts of the leaf are placed together. The inner and outer edges of the ribs *a' d'* are cut in such a manner that, although sliding past each other, they notwithstanding firmly adhere after they are placed together, but only to such a degree that they can be separated from each other by a moderate pull with the fingers.

In the modification represented in Fig. 3 the inner edge of the rib *a'* is provided with projections *b*, while the opposite rib, *d'*, is provided with corresponding notches or recesses, *c*, in which, when the two leaf parts are placed together, the projections *b* are located, so as to hold. The two leaf parts, in order to lay them together, are connected behind by a leather or linen strip, which serves as a hinge.

Upon the stronger pasteboard frame, at the right-hand side of Fig. 3, (or of the left hand,) is pasted a sheet of paper, *f*, by means of linen, or the like, so that the linen acts as a hinge at *g g*. At suitable points, *h h*, strips of linen, or the like, are pasted upon this sheet of paper in such a manner as to form the pockets *k k* for the reception of the photographs *l l*.

As shown in Figs. 4 and 5, the use of the pockets is provided for on both sides of the sheet of paper *f*. Accordingly, eight pockets

are formed, which are designed for the reception of eight photographs for the eight openings *m m*.

In the modification of my invention represented in Fig. 10, (and in Fig. 15, where the leaf is represented as being open,) the pasteboard ribs secured on the two sheets of cardboard *a* and *d* are placed at alternating points on the opposite sheets and adapted to engage with each other.

In the construction represented in Fig. 11, and in an open position in Fig. 17, the cardboard sheets *a* and *d* are provided with pasteboard ribs of uniform thickness, and with lugs or projections on the rear sides, which mutually engage with each other. In this arrangement the joint would be in the middle of the thickness of the album-leaf.

Figs. 12 and 16 show an arrangement wherein the strong paste-board ribs *a d'* are provided with suitable furrows or grooves, *n n'*, which are filled with material that does not harden, but sticks, (as, for example, a composition of gelatine, glycerine, and glue,) which, when the two leaf parts are turned back to back and bear against each other, adheres, and thus holds the two parts together, but which can also be separated or opened again without trouble, according to the adhesiveness of the material employed.

In Figs. 13 and 18 the union of the two parts of the leaf is effected by headed fasteners *o o'*, which are arranged upon one of the pasteboard frames or ribs *a' d'* and, on the leaf parts being pressed together, enter openings provided on the opposite frame. The said openings are a little smaller than the heads *o'*, so that the latter, when pressed into said openings, bear firmly against the walls and are unable to leave them voluntarily.

On the pasteboard strips represented in Fig. 14 projecting parts *p p'* are arranged, which, when the two parts are pressed together, slide over each other, one bearing against another, and hold the two parts together.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. In a photograph-album, the leaves, each of which is formed in two parts, adapted to be fitted together and separated, for the purpose specified, and provided with a detachable or temporary fastening, as distinguished from permanently uniting said parts, whereby the photographs may be laid between and removed from the separated parts instead of being inserted edgewise.

2. In a two-part separable album-leaf, the frames or ribs secured on the inner sides of the respective parts, which ribs fit exactly, one within the other, so that by pressing the two parts together they will be firmly united, substantially as described.

3. The two-part separable album-leaf having lugs or projections secured at alternating points upon the opposite parts and engaging with each other, substantially as described.

4. The combination, with the two-part separable album-leaf, of the frames or ribs having corresponding recesses and projections, which overhang or extend laterally, substantially as described.

5. The combination, with the two part album-leaf, of the frames, each having a projecting rib and groove, which fit into and partly under one another when the parts are pressed together, substantially as described.

HENRIETTE AUGUSTE MARIE DITTMAR.

Witnesses:

ALEX SCHOLZE,

B. ROI.