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TRANSPARENT DISPLAY AND FILING DEVICE

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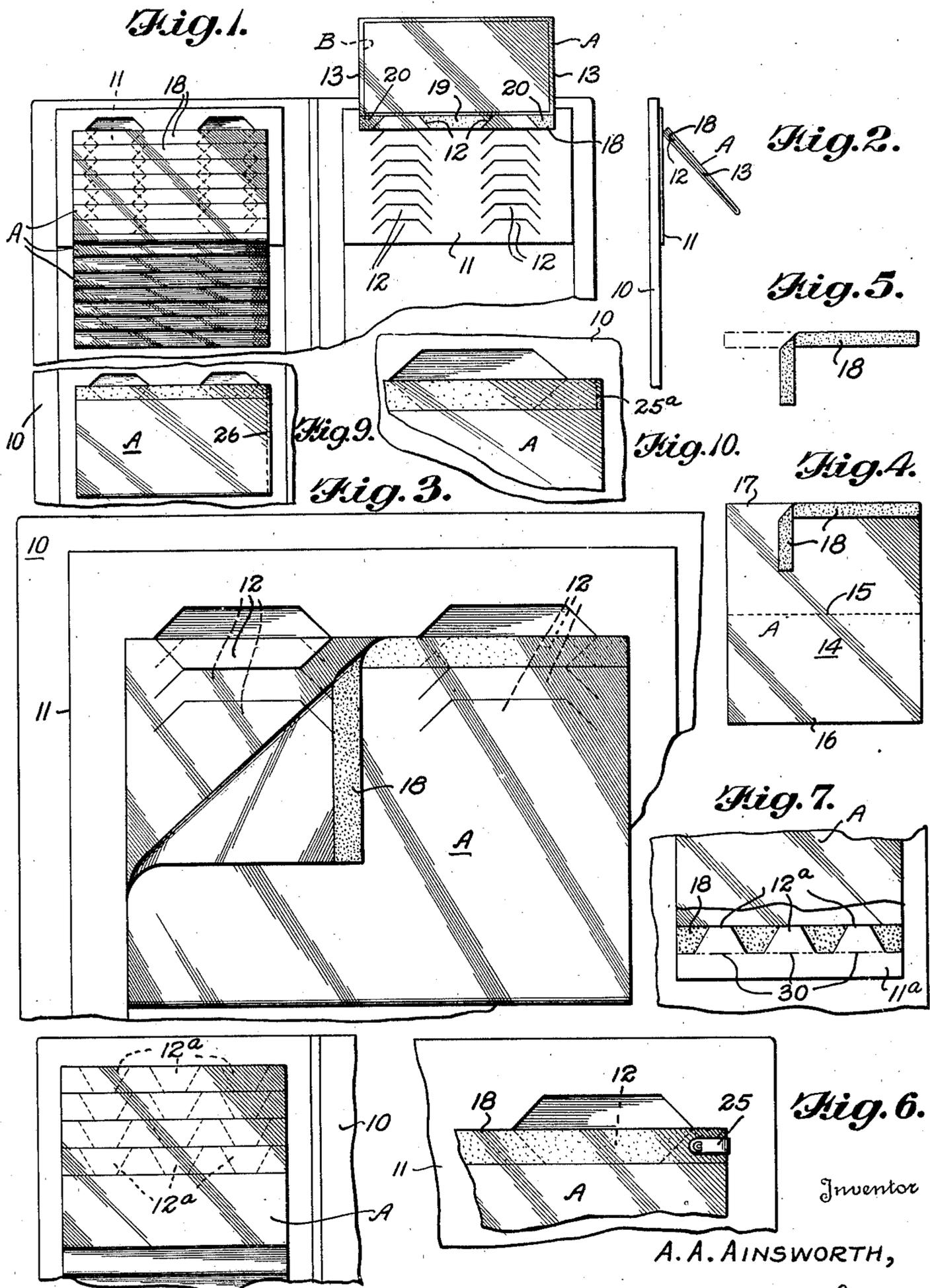


Fig. 8.

Fig. 6.

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TRANSPARENT DISPLAY AND FILING DEVICE

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5 Claims. (Cl. 129—20)

The invention relates to transparent display and filing devices for photographs, cards, samples, stamps and the like.

In my prior patents various devices for mounting and filing slips, papers, cards, samples, photographs, etc. in overlapping order have been disclosed, which have generally included a backing of comparatively stiff material such as album leaves or covers and one or more strips of tough, flexible material gummed thereon, which strips include tongues or tabs to which the cards or other articles are to be adhesively secured. Such arrangement is shown for example in my Patents Nos. 1,862,450 dated June 7, 1932; 2,142,261 dated January 3, 1939; and 2,204,098 dated June 11, 1940.

It is frequently desirable to place the articles to be filed in envelopes from which they may be removed if desired and to secure the envelopes to the tongues or tabs in overlapped order. Several such systems are disclosed in my prior patents, see for example Patent No. 2,149,488 dated March 7, 1939. This is a comparatively simple matter where ordinary paper envelopes are employed. However, it is desired in some cases to employ envelopes composed of transparent material preferably a cellulose ester such as cellulose acetate, nitro-cellulose and the like so that the contents of the envelope may be displayed. It has been found that envelopes composed of such material will not adhere to tongues or tabs gummed with the ordinary adhesive such as that with which the rear surfaces of the flexible mounting strips of my prior patents are generally coated. The so-called "dry sealing" adhesives, generally having a dispersed rubber or latex base will cause adhesion of such transparent materials, but it would be undesirable to provide the tongues of the filing device shown in my prior patents with such adhesive as the tongues would then adhere to the stiff backing and would not be accessible for filing purposes.

The object of the present invention is accordingly to provide a simple and effective means for mounting transparent envelopes which would not adhere to the ordinary adhesive, upon mounting tongues or tabs such as those shown in my prior patents. This I accomplish according to the present invention by the use of a strip of adhesive tape of the dry sealing type, generally referred to as "Scotch tape," gummed on both sides and employed for the dual purpose of securing together the edges of two sides of a transparent sheet to form the envelopes, and for securing the envelopes to the tongue or tongues of the mount-

ing sheet, the adhesive tab and the tongues both being retained between the meeting edges of the envelopes so that no portion of the adhesive is exposed.

5 The invention will be more readily understood by reference to the accompanying drawing and the following detailed description which are intended as illustrative of the inventive thought involved rather than as limiting the invention to the particular details set forth.

In the drawing:

10 Fig. 1 shows an open album or other book having transparent envelopes assembled in overlapping order in accordance with the present invention.

15 Fig. 2 is an end view showing the manner in which the edges of the envelopes grip the tongues of the mounting strip between them.

20 Fig. 3 is a detail view on an enlarged scale showing an envelope in the process of being mounted.

25 Fig. 4 is a view showing a transparent sheet from which an envelope is to be formed having a gummed strip applied to one edge thereof.

30 Fig. 5 is a detail view showing the gummed strip.

35 Fig. 6 is a detail showing the modification wherein a clip is employed to hold the edges of the envelopes together.

40 Fig. 7 is a detail view showing the mounting of an envelope upon a different form of tongue or tab.

45 Fig. 8 is a view illustrating a plurality of envelopes secured to mounting strips of the type shown in Fig. 7.

50 Fig. 9 is a view showing a modification in which one end of the envelope is closed and the other open.

55 Fig. 10 is a view similar to Fig. 6, in which the corners of the taped edge are permanently secured.

Referring to the drawing, the reference numeral 10 denotes a suitable stiff backing such as one of the covers or a leaf of a photograph or stamp album or the like, such as is shown in my prior Patent No. 2,204,098. To this backing a mounting or filing strip 11 of relatively tough flexible material such as cloth, paper or the like is adapted to be applied which strip may be of any of the forms disclosed in my prior patents. This strip is adhesively secured to the backing member 10 and is provided with tabs 12 integral with the strip. These tabs are adapted to be bent outwardly from the back for the purpose of mounting cards, photographs, envelopes or the

like and to facilitate such bending operation transverse score lines may be employed if desired. These tongues have been previously employed for mounting cards, photographs, slips, paper envelopes and the like but according to the present invention a transparent envelope A composed of material which would not ordinarily adhere to the adhesive on the back of the tongues 12 is adapted to be secured to these tongues or tabs, the envelopes being preferably open at opposite ends 13 so as to permit insertion of photographs, pictures, samples, stamps or the like B which are readily accessible and both sides of which are visible through the transparent envelopes.

The envelope is preferably made from a sheet 14 (Fig. 4) of transparent material such as cellulose acetate, Celluloid or the like, and is adapted to be formed into an envelope by folding about a center line 15 bringing together the two opposite edges 16 and 17. This folding operation is generally not performed until the envelope is about to be applied to the tongues although if desired the blank may be initially folded about the center line and furnished in this form to the user.

In order to secure proper adhesion between the edges 16 and 17 and at the same time secure the envelopes to the tongues 12 of the mounting strip 11, an adhesive strip 18 of Scotch tape or the like, gummed on both sides with a dry adhesive, is provided, such strip being shown in Fig. 5. The gummed strip is preferably first applied to one edge 17 of the sheet 15 either prior or subsequent to folding about the center line, and after the strip had been applied the edges of the transparent sheet are brought together as best illustrated in Figs. 2 and 3 so as to embrace the adhesive strip 18 and the tongues 12 between them. In this manner the tongues are adhesively secured to the strip 18 and at the same time the two edges of the sheet are held together by the adhesive strip at the portions 19 between the tongues and at those portions 20 extending beyond the tongues.

Any suitable form of tongues may be employed such as are shown in my Patents Nos. 1,862,450, 2,142,261 and 2,204,098. In Figs. 7 and 8 the envelopes are shown applied to mounting strips similar to those shown in Fig. 10 of my Patent No. 2,204,098, the tongues 12a being partially separated from the body of the strip 11a by slits 30. The strips 11a are adapted to be mounted one below the other as illustrated in Fig. 7 of my aforesaid patent and in Fig. 8 of the present drawing.

When the envelope A has been secured in place, photographs, stamps or the like B may be inserted through the open ends of the envelope. Each envelope and its contents may be turned about the tongues or tabs 12 or 12a as described in my prior patents, thus rendering either side visible. It will be obvious that two photographs or the like may be secured in an envelope back to back or memoranda may be placed on the backs of the photographs or the like and either side may be viewed as desired.

While the adhesive strip 18 is in general sufficient to hold the edges 16 and 17 together, an additional fastening means such as a paper clip or the like 25 may be employed at each end, particularly where the adhesive strip and envelope do not extend far beyond the tongues 12 or 12a. In this way any possibility of separation at the end of the strip is avoided.

By the use of non-drying adhesive upon the

strip 18 the envelope may be securely retained in the album as long as desired but if for any reason it should be necessary to remove the envelope this can be accomplished without mutilating the tongues 12.

The invention has been described in detail for the purpose of illustration but it will be obvious that various modifications and variations may be resorted to without departing from the spirit of the invention.

For instance, it may be desirable in certain cases to close one end 26 of the envelope as indicated in Fig. 9. The closure may be accomplished by means of stitching, by securing the edges with tape or the like, by the use of replaceable clips or other suitable means may be employed.

Also instead of the removable clip 25 at each corner of the tape as indicated in Fig. 6, a relatively permanent fastening means may be employed as for example a row of stitching 25a as indicated in Fig. 10.

I claim:

1. A filing device comprising a plurality of hinge members comprising spaced tongues secured to a backing, a transparent envelope formed of a sheet of material folded in half, with the free edges of said sheet embracing said tongues between them, and a strip of tape gummed on both sides with dry-sealing adhesive serving to unite said edges and said tongues, one surface of the tape being secured to one of said edges and the other face being secured to said tongues and to the other of said edges at intervals between the tongues and beyond the tongues.
2. A filing device comprising a plurality of hinge members comprising spaced tongues secured to a backing, a transparent envelope formed of a sheet of material folded in half, with the free edges of said sheet embracing said tongues between them, and a strip of tape gummed on both sides with dry-sealing adhesive serving to unite said edges and said tongues, one surface of the tape being secured to one of said edges and the other face being secured to said tongues and to the other of said edges at intervals between the tongues and beyond the tongues, and additional fastening means at the corners of the taped edge.
3. A filing device comprising a plurality of hinge members comprising spaced tongues secured to a backing, a transparent envelope formed of a sheet of material folded in half, with the free edges of said sheet embracing said tongues between them, and a strip of tape gummed on both sides with dry-sealing adhesive serving to unite said edges and said tongues, one surface of the tape being secured to one of said edges and the other face being secured to said tongues and to the other of said edges at intervals between the tongues and beyond the tongues, and clips at the corners of the taped edge.
4. A filing device comprising a plurality of hinge members comprising spaced tongues secured to a backing, a transparent envelope formed of a sheet of material folded in half, with the free edges of said sheet embracing said tongues between them, and a strip of tape gummed on both sides with dry-sealing adhesive serving to unite said edges and said tongues, one surface of the tape being secured to one of said edges and the other face being secured to said tongues and to the other of said edges at intervals between the tongues and beyond the tongues, and stitchings at the corners of the taped edge.

5. A filing device comprising a plurality of hinge members comprising spaced tongues secured to a backing, a transparent envelope formed of a sheet of material folded in half, with the free edges of said sheet embracing said tongues between them, and a strip of tape gummed on both sides with dry-sealing adhesive serving to unite said edges and said tongues, one

5 surface of the tape being secured to one of said edges and the other face being secured to said tongues and to the other of said edges at intervals between the tongues and beyond the tongues, one end of the envelope being open for the insertion or removal of objects to be filed, and the other end closed.

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