May 31, 1938. K. R. DENCKLAU 2,119,203

COMBINED FORM AND CARBON SHEET HOLDER

Filed June 22, 1934 2 Sheets-Sheet 1

FIG. 1

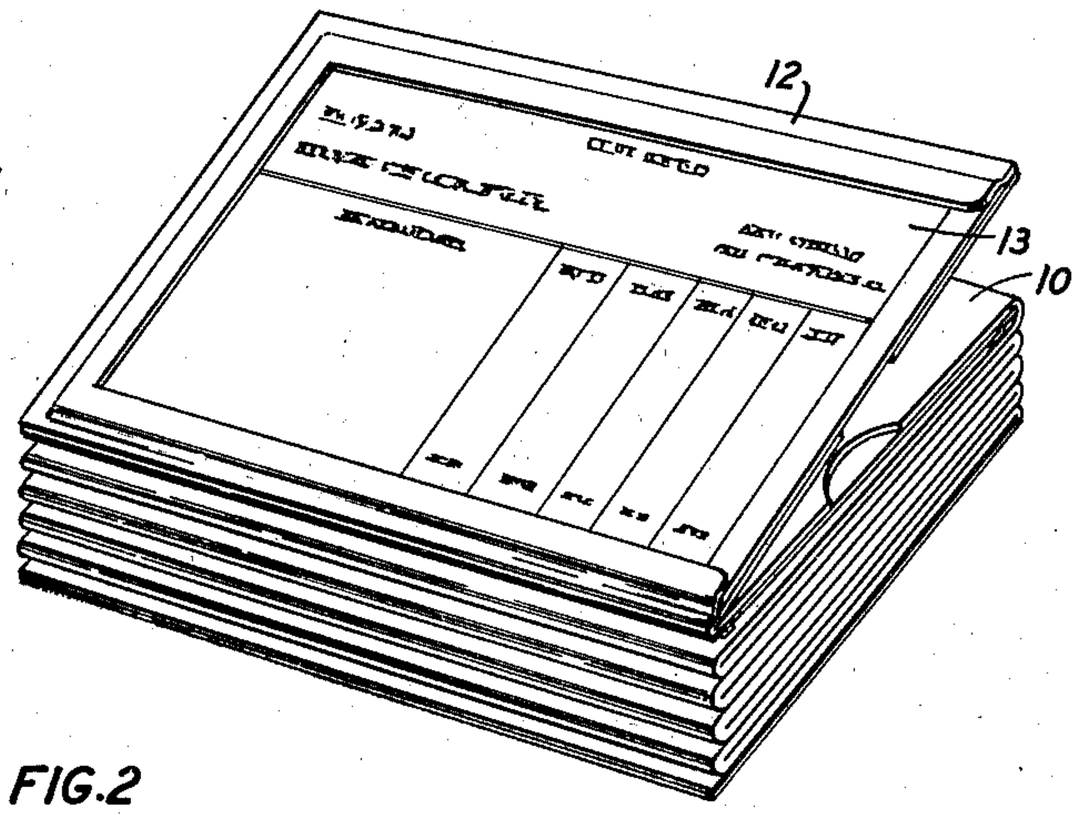


FIG. 2

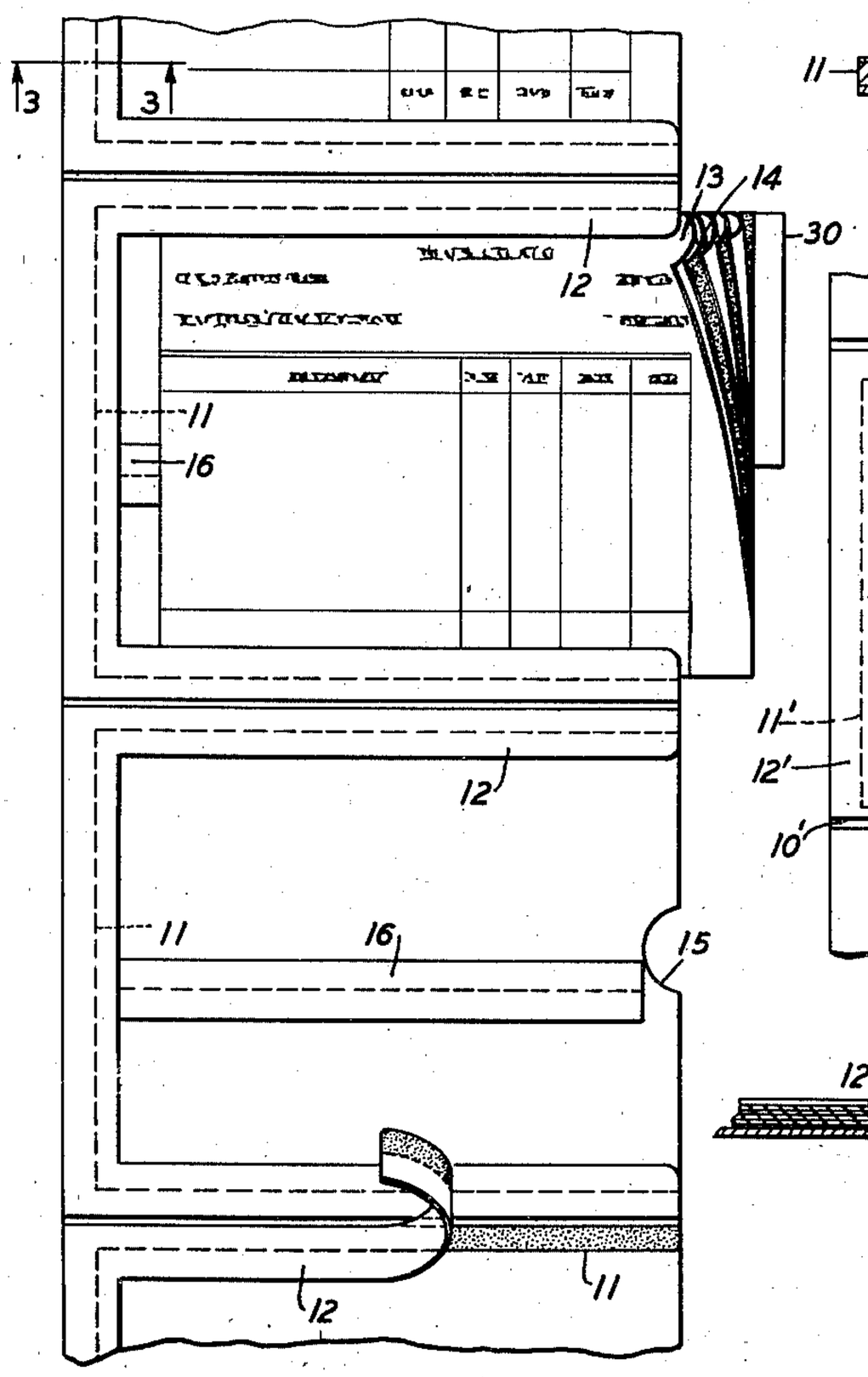


FIG. 3

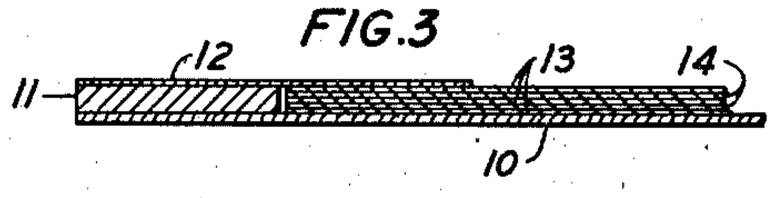


FIG. 4

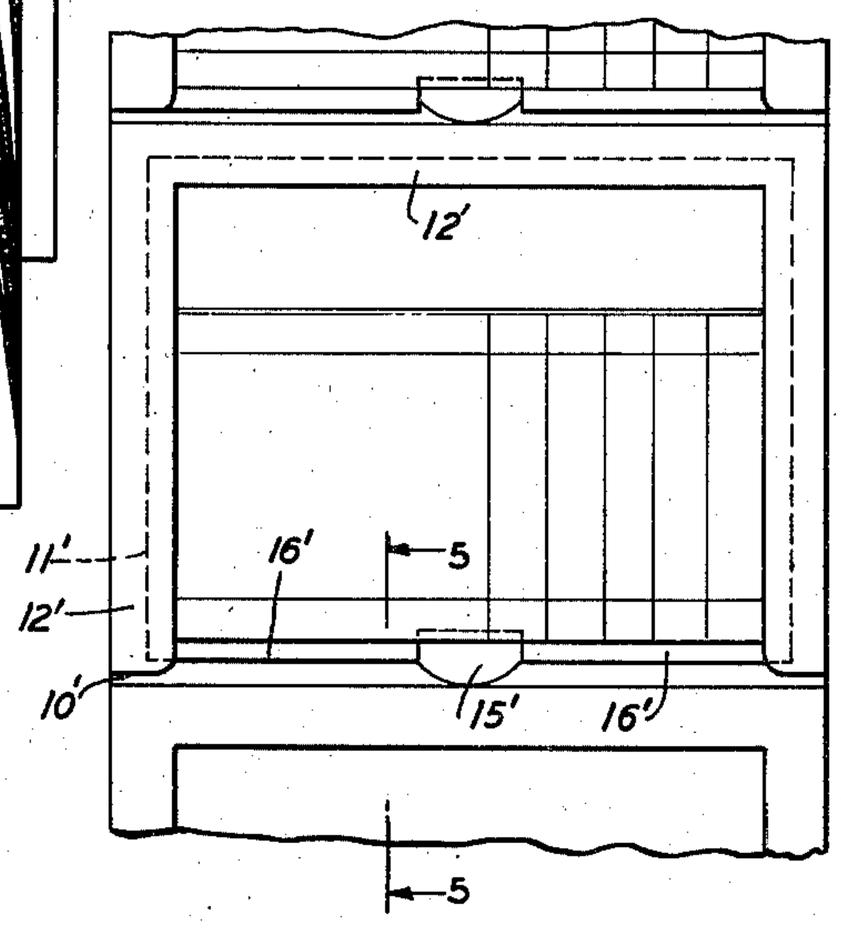
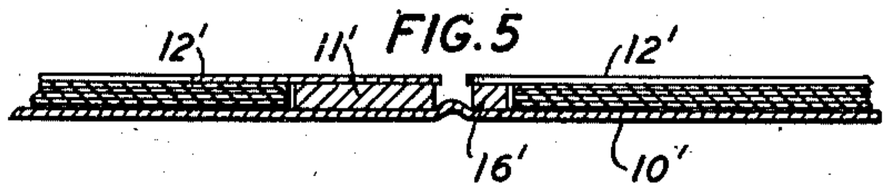


FIG. 5



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Filed June 22, 1934 2 Sheets-Sheet 2

FIG. 6

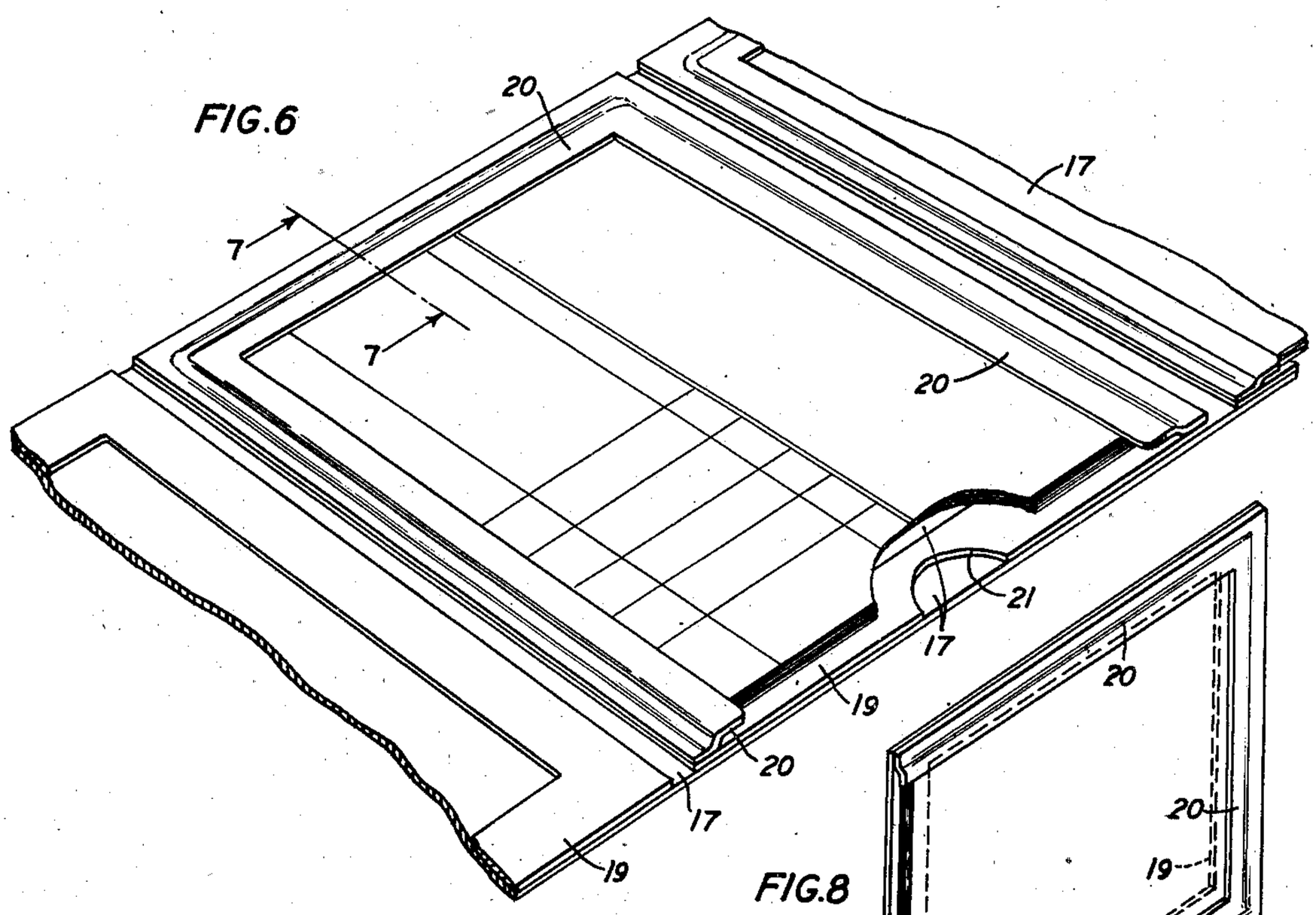


FIG. 8

FIG. 9

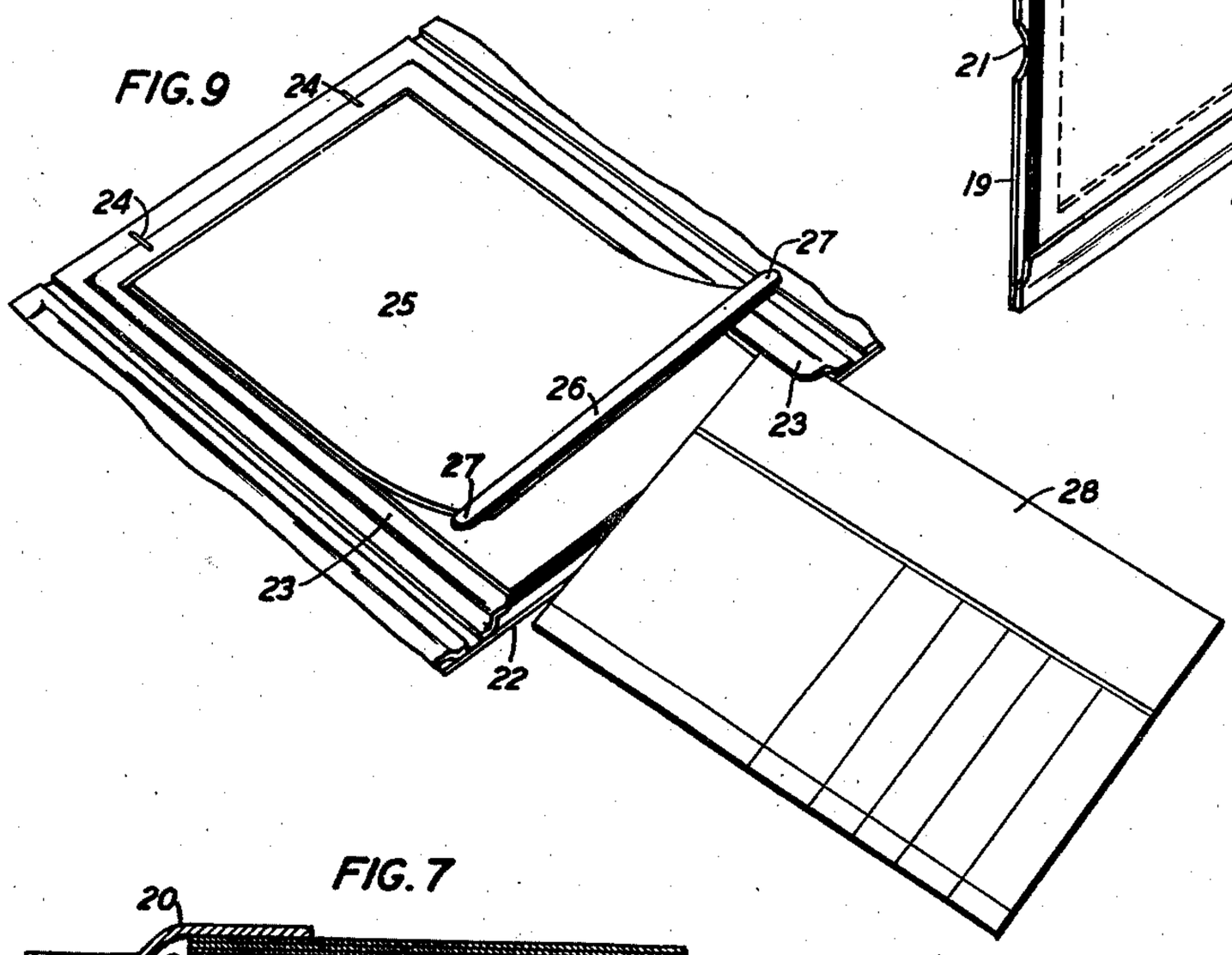
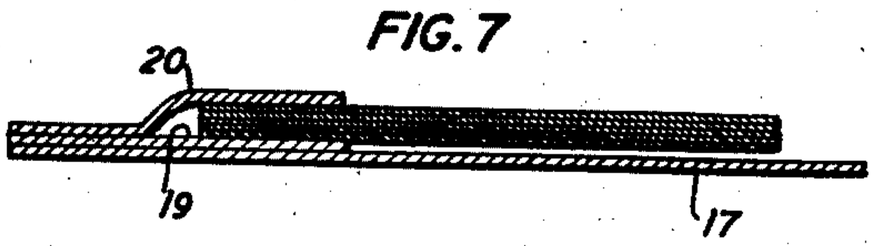


FIG. 7



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Patented May 31, 1938 2,119,203

UNITED STATES PATENT OFFICE

2,119,203

COMBINED FORM AND CARBON SHEET HOLDER

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Application June 22, 1934, Serial No. 731,879

18 Claims. (Cl. 282—29)

This invention relates to improvements in combined form and carbon sheet holders of the kind shown and described in my prior U. S. Letters Patent No. 1,761,106 dated June 3, 1930 and No. 1,808,840, dated June 9, 1931.

The primary object of this invention is to provide a holder for receiving and holding collated loose form sheets interleaved with loose carbon sheets whereby the holder may be fed through a printing machine, such as a teletypewriter, without the possibility of the form sheets and carbon sheets shifting relative to each other.

Another object of the invention is to provide a form holder embodying a foldable back strip, each folded area thereof being provided with holding means into which the collated forms and carbon sheets are inserted as a single unit and are firmly held against accidental shifting in order to assure clear and correct carbon copies of the matter typed upon the outer form sheet.

A further object is to provide a form sheet holder in which the collated form sheets and interleaved carbon sheets may be quickly and easily inserted and removed from the holder.

With these and other objects in view, the invention also resides in the novel construction, combination, and arrangement of parts the essential features of which are hereinafter fully set forth, are particularly pointed out in the appended claims, and are illustrated in the accompanying drawings, in which:

Fig. 1 is a perspective view of the preferred form of my improved holder showing the same in its folded position;

Fig. 2 is a fragmentary plan view of the holder in an extended, or unfolded, position;

Fig. 3 is an enlarged vertical sectional view on the line 3—3 of Fig. 2;

Fig. 4 is a fragmentary plan view of a slightly modified form of the invention;

Fig. 5 is an enlarged detail sectional view on the line 5—5 of Fig. 4;

Fig. 6 is a perspective view, with parts broken away, of another modification of the invention;

Fig. 7 is an enlarged detail sectional view on the line 7—7 of Fig. 6;

Fig. 8 is a perspective view of one of the form holder units per se; and

Fig. 9 is a perspective view of another modification of the invention.

In Figs. 1 to 3, inclusive, the numeral 10 designates a flexible backing strip which is creased or folded at equal spaced distances along its length in order to enable it to fold in a zig-zag manner into stacked formation as is illustrated in Fig. 1 of the drawings. The folds are intended to cause the strip 10 to assume a stacked position before and after passing through a printing machine, such as a teletypewriter.

The folded areas of the backing strip 10 are substantially rectangular in shape. Adhesively secured to one side of the folded areas are U-shaped spacing strips, or members, 11. These spacing members 11 extend around only three sides of the folded areas of the backing strip 10 so that one of the sides of the strip 10 is left free. Adhesively secured to each of the spacing members 11 is a U-shaped guide, or holding member, 12. This holding member 12 is composed of a flexible material and has a width greater than the width of the spacing member 11 in order that the inner edges of the holding member 12 can extend inwardly over the inner edges of the member 11.

From this description it can be seen that the inner edges of the holding member 12 overlap the inner edges of the spacing member 11 and are arranged in spaced relation with respect to the backing strip 10 so as to provide channels around three sides of each of the rectangular foldable areas to receive a pack of collated form sheets 13 interleaved with carbon sheets 14. The form sheets 13 and carbon sheets 14 constitute a pack unit which is of a width such as to enable it to slide freely within the channel defined by the overlapping edges of the holding member 12, the pack being inserted through the open side of the holder formed by the holding member 12. The free side edge of the backing strip 10 has a notch 15 therein to facilitate gripping the pack unit when it is desired to withdraw the same from the holder. Although the form sheets 13 and carbon sheets 14 are shown as separate sheets it is to be understood that carbonized form sheets of the foldable type may be inserted, when in a folded condition with the same result.

Adhesively secured to the backing strip 10 and disposed intermediate the legs of each of the U-shaped holding members 12, and parallel to said legs, are auxiliary guide strips 16 which co-act with one of the leg portions of the holding member 12 to enable an envelope 30 to be inserted beneath the form pack and the backing strip. The last carbon sheet overlies the inserted envelope in order that the address may be typed upon the envelope 30 simultaneously with the typing of the heading upon the uppermost form sheet. This avoids the necessity of separately typing an envelope in which the typed form may be mailed.

In Figs. 4 and 5 of the drawings, I have illustrated a slightly modified form of the invention in which the backing strip is indicated by the reference character 10', the spacing member by 11', and the holding member by 12'. These parts are substantially identical with those shown in Figs. 1, 2, and 3 except that the U-shaped spacing member 11' and the U-shaped holding member 12' are positioned at right angles to the position shown in Figs. 1 to 3, inclusive.

With this form of the invention, the form and carbon pack unit is inserted lengthwise of the backing strip 10' instead of transversely. For supporting the pack unit in position within the holder provided by the holding member 12', auxiliary guide strips 16' are adhesively secured transversely on the backing strip 10' near the position where the lower edge of the pack unit rests when it is inserted in the holder for the purpose of preventing the paper from accidentally slipping out of the holder via the open end of the holding member. The backing strip 10' is provided with cut-outs 15' at points between the inner ends of the strips 16' to enable the fingers of an operator to be inserted in order to reach the bottom edges of the pack units when it is desired to withdraw the pack units from the holder.

In Figs. 6, 7, and 8 the backing strip is designated by the reference character 17. Holding members 18 are attached, as a unit, to the backing strip 17. Each of the holding members 18 comprises a rectangular cardboard frame 19 having a guide strip 20, U-shaped in plan view, secured along three sides of the frame. The entrance to the guide strip 20 is through the open side of the frame 19 which has a notch 21 to permit the fingers of an operator to grasp a combined form and carbon pack unit for withdrawing of the same from the frame 19. The holding members 18 are adhesively secured to one side of the backing strip 17 at spaced distances to enable the folding of the backing strip 17 intermediate the frames 19 in the manner shown in Fig. 1 of the drawings. In this form of the invention, the holding members 18 are secured transversely to the backing strip 17 so that the pack units are inserted from one of the sides of the backing strip 17 in a manner similar to that shown in Fig. 2. If desired, the holding members 18 could be located upon the backing strip 17 in a manner similar to that shown in Fig. 4.

In Fig. 9 I have illustrated a further modification of my invention in which the backing strip is indicated by the numeral 22, there being a holding, or guide, member 23, U-shaped in plan view, secured to the backing strip 22 to form a holder open at one side of the backing strip 22. Secured to the backing strip 22 and holding, or guide, member 23 by some form of removable fastening elements, such as staples 24, is a plurality of carbon sheets 25, the uppermost of which has its free side edge provided with a reinforcing strip 26, the outer ends of which constitute tabs 27 which extend beyond the opposite side edges of the carbon sheets 25. The carbon sheets 25 are of such a size as to swing in the manner of a leaf within the confines provided by the guiding strip 23. After the form sheets 28 have been inserted between the respective carbon sheets 25, the projecting tabs 27 of the uppermost carbon sheet are inserted beneath the guiding strip 23 in order to hold the form sheets other than the uppermost sheet (which is placed over the top carbon sheet) in a relatively fixed position to prevent or minimize accidental shifting of the form sheets when in their inserted position and to facilitate the typing of clear and correct carbon copies.

From the foregoing description, it can be seen that I have provided an improved combined form and carbon sheet holder in which the collated form sheets and carbon sheets may be removably associated with a foldable strip in such a manner as to securely hold packs of collated form and carbon sheets in a relatively firm manner during the passing of the strip through a printing machine, such as a teletypewriter. The pack units are inserted into the respective holders provided on the strip in order to make up a strip ready for use. After this strip has passed through the machine, the pack units may be removed and the strip refilled with packs of collated form and carbon sheets and used over and over again in the same manner. The backing strip is made of a flexible material which permits the tearing of any of the holder units on the strip on the fold line therebetween should it be desired to so mutilate the strip, after which the parts may be joined by a flexible adhesive strip, or in any other suitable manner. While certain parts of the device have been described as being secured together by adhesive, it is to be understood that other fastening means may be provided, such as by stitching or stapling if desired.

Although I have shown and described several modifications of my invention, I wish it to be understood that other changes in construction may be resorted to, if desired, without departing from the spirit of my invention. Consequently, I do not wish to limit myself to the exact structural details herein set forth nor to anything less than the whole of my invention which is to be limited only by the appended claims.

What is claimed is:

1. A device for holding paper, said device including a backing piece, a separate holding member U-shaped in plan view, and means for securing said holding member to the backing piece for receiving and holding paper.

2. A device for holding a plurality of packs of collated form and carbon sheets, said device including a backing piece, a plurality of separate holding members U-shaped in plan view, and means for securing each holding member to the backing piece at spaced intervals for receiving and holding packs of collated form and carbon sheets.

3. A holder for packs of collated form sheets interleaved with carbon sheets, said holder comprising a foldable strip having a plurality of sections, a plurality of guide members U-shaped in plan view, and means for securing a separate guide member to each section of said foldable strip for slidably receiving and supporting packs of collated form sheets interleaved with carbon sheets.

4. A device for holding paper, said device including a backing piece, a holding member U-shaped in plan view, means for securing said holding member to the backing piece, a spacing member, and means for securing said spacing member between the holding member and the backing piece for providing a space for holding paper.

5. A holder for sheets of paper, said holder comprising a rectangular backing strip of larger area than the individual sheets of paper, a separate spacing member U-shaped in plan view, means for securing said spacing member to the backing strip, a separate holding member U-shaped in plan view and means for securing the

holding member to the spacing member for forming a pocket for receiving and holding stationery.

6. A holder for paper, said holder comprising a rectangular backing strip of larger area than the paper, a spacing member U-shaped in plan view, means for securing the spacing member to only one surface of the backing strip, a separate holding member U-shaped in plan view and superimposed upon the spacing member, and means for securing the holding member to the spacing member with both the spacing member and the holding member having their open ends along the same edge of the backing strip for allowing paper to be slid between the holding member and the backing strip.

7. In a holder for a pack of form and carbon sheets, a backing strip, a spacing member, means for securing said spacing member to the backing strip, a guide member U-shaped in plan view, and means for securing said guide member to the spacing member with the inner edges of said guide member overlapping said spacing member for forming a pocket for slidably receiving and holding a pack of form sheets interleaved with carbon sheets.

8. A device for holding paper, said device including a backing strip, a guide member U-shaped in plan view, means for securing said guide member to the backing strip for slidably receiving and holding a pack of form sheets interleaved with carbon sheets, an auxiliary guide member, and means for securing said auxiliary guide member to the backing strip for slidably receiving an envelope.

9. A device for holding paper, said device comprising a backing strip, a spacing member, means for securing the spacing member to the backing strip, a holding member, means for securing the holding member to the spacing member for holding paper against the backing strip, an auxiliary guide strip, and means for securing the auxiliary guide strip to the backing strip for holding an envelope securely in place beneath the paper and against the backing strip.

10. A device for holding paper, said device including a backing strip, a spacing member U-shaped in plan view, means for securing said spacing member to the backing strip, a holding member U-shaped in plan view and superimposed upon the spacing member, means for securing the holding member to the spacing member with both the spacing member and the holding member having their open ends along the same edge of the backing strip for allowing paper to be slid between the holding member and the backing strip, an auxiliary guide strip, and means for securing said auxiliary guide strip to the backing strip in a position parallel with the arms of the U-shaped spacing member and holding member for slidably receiving an envelope.

11. A holder for paper, said holder including a backing strip, a holding member U-shaped in plan view, means for securing the holding member to the backing strip for allowing paper to be passed through the open end of the holding member for being held between the holding member and the backing strip, an instrumentality for preventing the paper from accidentally slipping out of the holder via the open end of the holding member, and means for securing said instrumentality to the backing strip.

12. A holder for paper, said holder comprising a backing strip, a holding member U-shaped in plan view, means for securing the holding member to the backing strip for allowing paper to be passed through the open end of the holding member for being held between the holding member and the backing strip, an auxiliary guide strip, and means for securing the auxiliary guide strip to the backing strip transversely across the open end of the holding member for preventing paper from accidentally slipping out of the holder via the open end of the holding member.

13. A holder for a pack of form and carbon sheets, said holder including a rectangular frame, a guide member U-shaped in plan view, and means for securing said guide member to three side edges of the frame for slidably receiving and holding a pack of form and carbon sheets.

14. A holder for a sheet of paper, said holder including a backing strip, a rectangular frame, means for securing said frame to the backing strip, a guide member U-shaped in plan view, and means for securing said guide member to the frame for slidably receiving and holding sheets of paper.

15. A device for holding a plurality of packs of collated form and carbon sheets, said device including a backing strip, a plurality of rectangular frames, means for securing each frame to the backing strip at spaced intervals, a plurality of guide members U-shaped in plan view, and means for securing each guide member to three side edges of a separate frame for slidably receiving and holding packs of collated form and carbon sheets.

16. A device for holding paper, said device including a backing strip, a carbon paper sheet, means for securing a portion of the carbon paper sheet to the backing strip, a tab extending from one edge of the carbon paper sheet, an instrumentality for slidably receiving the tab, and means for securing said instrumentality to the backing strip for minimizing accidental shifting of the carbon paper sheet.

17. A device for holding paper, said device including a backing strip, a guide member U-shaped in plan view, means for securing the guide member to the backing strip for slidably receiving paper, a carbon sheet, means for securing a portion of the carbon sheet to the backing strip, and a tab extending from one edge of the carbon sheet for insertion between the guide member and the backing strip for minimizing accidental shifting of the paper.

18. In a holder for form and carbon sheets, a backing strip, a guide member, means for securing the guide member to the backing strip for slidably receiving form sheets, a plurality of carbon sheets, means for detachably securing a portion of each carbon sheet to the backing strip, and tabs extending from opposite side edges of one of the carbon sheets for insertion between the guide member and the backing strip for minimizing accidental shifting of the paper.

KARL R. DENCKLAU.