Sept. 23, 1941. M. C. STERN 2,256,585

MANIFOLDING STATIONERY

Filed April 12, 1940 2 Sheets-Sheet 1

Fig. 1

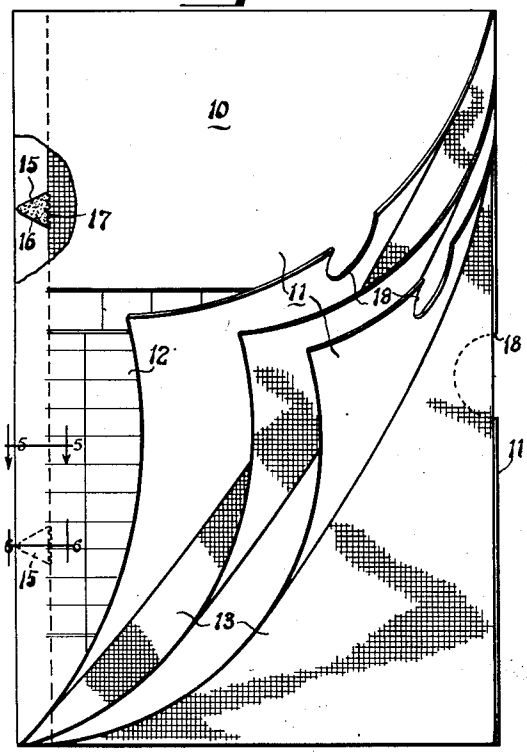

Fig. 2

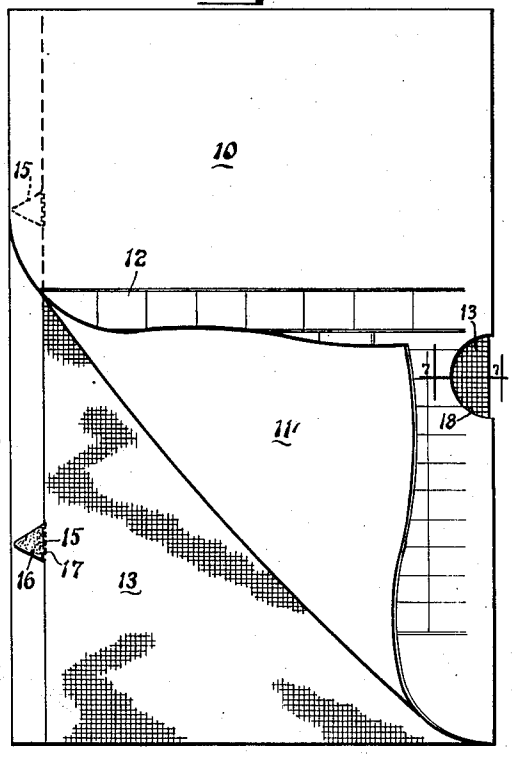

Fig. 3

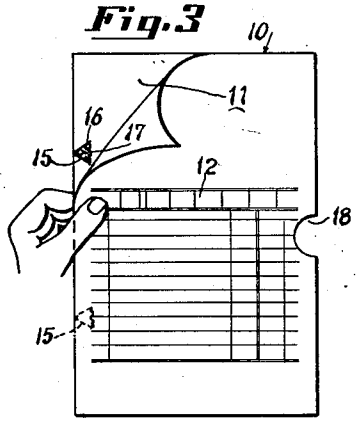

Fig. 4

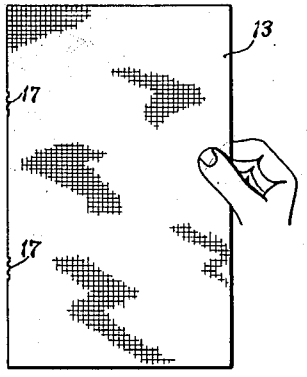

Fig. 5

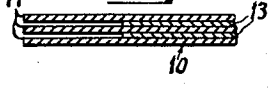

Fig. 6

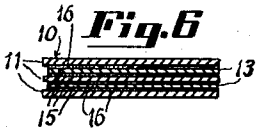

Fig. 7

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Sept. 23, 1941. M. C. STERN 2,256,585

MANIFOLDING STATIONERY

Filed April 12, 1940 2 Sheets-Sheet 2

Fig.8.

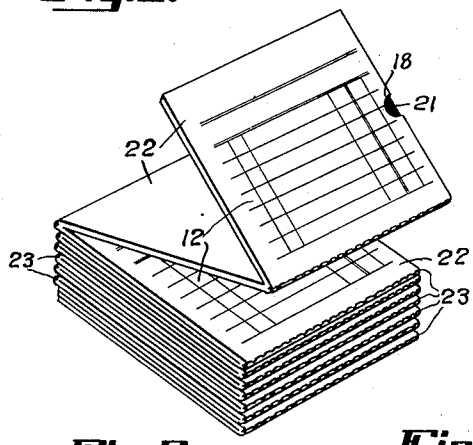


Fig.11.

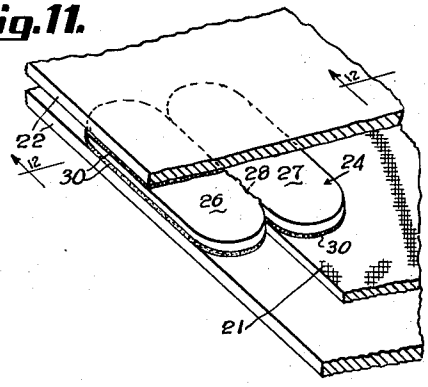


Fig.12.

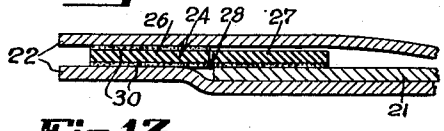


Fig.9.

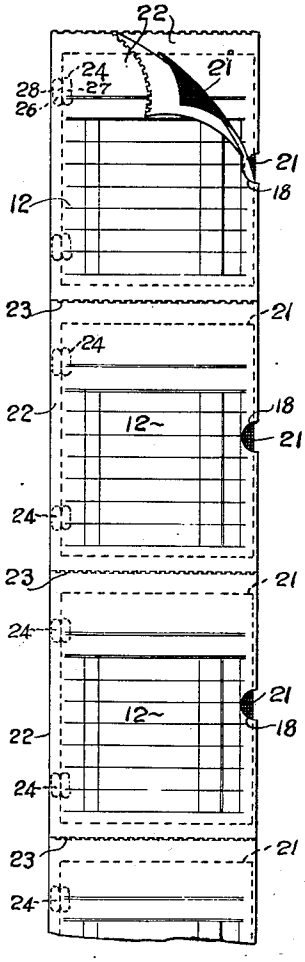


Fig.10.

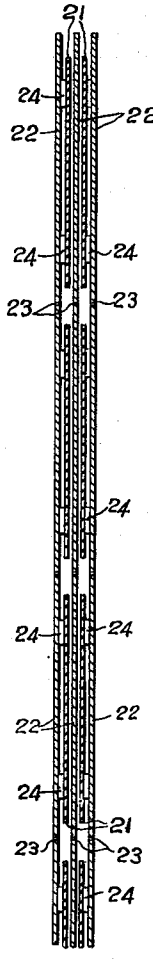


Fig.13.

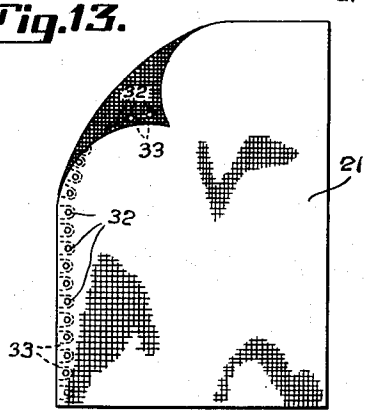
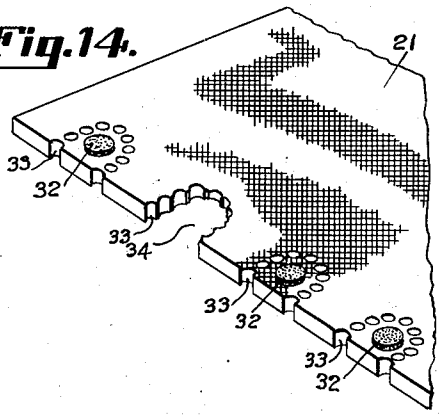


Fig.14.



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Patented Sept. 23, 1941 2,256,585

UNITED STATES PATENT OFFICE

2,256,585

MANIFOLDING STATIONERY

Milton C. Stern, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio

Application April 12, 1940, Serial No. 329,339

7 Claims. (Cl. 282—22)

My invention relates to improvements in manifolding stationery and more particularly to stationery made up for ready use in typewriter machines, billing machines and the like.

A particular object of this invention is to provide an improved so-called "allset" manifold packet or pad comprising multiple sheet forms having interleaved carbon paper assembled together in a single pack and wherein the sheets of carbon paper are detachably secured between the paper sheets at one or more contact points so that they can be readily detached from the paper sheet forms after use.

Another object is to provide an improved manifold packet sheet form wherein the necessity of attaching the carbon sheet to the paper sheet forms along its entire marginal lengths is eliminated by the use of pasting tabs from which the carbon sheet is readily detached.

Another object is to devise an economical copy sheet pad having a plurality of sheet forms made up into a set with interleaved carbon copy paper detachably secured between the sheet forms and fastened thereto whereby the carbon sheets can be grasped and quickly detached from the pack.

Another object is to provide an improved manifolding supply pad made up of multiple sheet forms having interleaved carbon paper therebetween wherein the carbon paper is adhesively held in position by marginal spaced contact pasting tabs which are perforated to permit ready detachment of the carbon sheet during use.

These and other objects and advantages will appear from the following description taken in connection with the drawings.

In the drawings:

Figure 1 is a plan view, partly in perspective and partly broken away, showing a manifold stationery pad made according to this invention;

Figure 2 is a similar view illustrating the method of attaching the carbon paper to the sheet forms in making up the stationery pack;

Figures 3 and 4 illustrate the method of detaching the carbon sheet forms from the stationery packet and the position of the pasting tabs relative to the sheet forms;

Figure 5 is a fragmentary cross sectional view taken along the line 5—5 of Figure 1;

Figure 6 is a similar fragmentary cross sectional view taken on the line 6—6 of Figure 1;

Figure 7 is another detail cross sectional view taken on the line 7—7 of Figure 2;

Figure 8 is a perspective view illustrating the use of my improved manifold stationery packet attached at spaced sections between superimposed continuous length paper sheet forms which are fan folded into a pack;

Figure 9 is a plan view of a portion of the unfolded stationery paper illustrated in Figure 8 showing the spaced forms and attached packet of manifold sheets with intermediate perforated sections;

Figure 10 is a cross sectional view taken on the line 10—10 of Figure 9 and looking in the direction of the arrows;

Figure 11 is a perspective view of an adhesive tab utilized as a modification for attaching the carbon sheet to the continuous manifold paper forms;

Figure 12 is a cross sectional view taken on the line 12—12 of Figure 11;

Figure 13 is a plan view of a modified form of carbon sheet wherein a plurality of detachable glue spots are arranged along the margin and on both sides of the carbon sheet to provide means for removably fastening the carbon to the manifold paper sheets so that after use, the carbon can be detached and used again;

Figure 14 is a perspective view illustrating a used carbon sheet having dry and wet glue spots and ready to be reinserted between manifold sheets forms and adhesively positioned for subsequent use.

In Figures 1 and 2 there is shown a preferred embodiment of my invention. As illustrated, the manifold stationery packet 10 comprises a plurality of superimposed aligned record sheet forms 11, preferably having printed forms or spaced markings 12 thereon upon which writing or notations are made. Carbon paper sheets 13 or equivalent means for transferring the copy of the original writings to the adjacent record sheet forms are interleaved therebetween and are detachably secured thereto along the left-hand margin of the sheets by means of the contact pasting tabs 15.

The carbon paper sheets 13 are preferably made up on feather-edge carbon, cut out in the feather edge portion to form the spaced contact pasting points or tabs 15. These tabs have adhesive material on both sides thereof, as shown at 16 in Figure 6, and adhesively secure the pack of sheets together after they have been assembled and properly aligned. Perforated or weakened sections 17 are arranged between the carbon sheets and paste tabs 15 to facilitate the ease of severing the carbon sheets from the pasting tabs, as shown in Figure 2.

On the right-hand side of each paper sheet

form cutaway portions 18 are provided for accommodating the thumb and forefinger so that the carbon sheets can be grasped and conveniently withdrawn from the packet of sheet forms without disturbing the other sheets as illustrated in Figures 3 and 4. The cut-out portions 18 are in registration with each other when the sheet forms are assembled and aligned to form the stationery pad.

In Figures 8 to 12, there is shown a modification of my invention wherein the carbon sheets 21 are interleaved between continuous webs of manifold paper 22 and are removably attached to the webs adjacent the spaced form sections 12 on the webs. In between the spaced form sections are perforated or weakened portions 23 so as to provide ready detachment of the forms after use. In this instance, the carbon sheet is made of less width than the continuous paper web forms and is attached to the continuous paper sheet by means of sheet tabs generally designated 24. These tabs preferably comprise oval portions 26 and 27 which are united together at a perforated section 28 so as to permit severing of the tab portions 26 and 27 when removing the carbon sheet. When making up the manifold papers with the inner leaf carbon sheet, adhesive material 30 is applied to both sides of the tab part 26 and to one side of the tab part 27. After applying the adhesive to the different sections of the tab, it is brought in contact with the carbon sheet at spaced places along the left-hand margin and the carbon is then inserted between the continuous stationary sheet forms 22 and aligned with the spaced forms and adhesively fastened in position to the continuous sheets as illustrated in Figure 12. Cut-away portions 18 are provided on the right-hand side of the continuous sheet forms so that the carbon sheets can be readily grasped and removed after use in the same manner as with the use of the individual packet shown in Figures 1 and 2.

In the modification shown in Figures 13 and 14, the carbon sheet is provided with a plurality of spaced perforated glue spots 32. Both sides of the carbon are provided with aligned glue spots, each of which is surrounded by perforated portions 33 as shown in Figure 13. In use, the carbon sheet is detachably secured between the manifold papers adjacent the forms by wetting one or more of the spaced glue spots. Ordinarily, two spaced glue spots are sufficient to hold the carbon sheet in position during use. On removing the carbon sheet, the used glue spot is detached from the carbon sheet at the perforated section as shown at 34 in Figure 14 and in order to attach the carbon sheet again for further use, it is only necessary to moisten one or more other glue spots which heretofore were dry. In this manner, the carbon sheet may be used several times or until it becomes sufficiently worn to be discarded.

It will be understood that the attachment of the carbon sheets to the sheet forms can be made by means of stapling, adhesive or interlocking the paper sheet. Any of these means or equivalent means may be employed so long as the carbon sheet is removably attached between the sheet forms to be written upon making up the stationary pad or packet. Further, it will be obvious that if desired the packets may be made up and detachably secured to a single continuous strip which is provided with perforated or weakened sections so that the original and attached manifold packet of sheets can be detached from each other after use.

It will be further understood that I desire to comprehend within my invention such modifications as may be found necessary to adapt it to varying conditions and uses.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. As an article of manufacture, a manifold stationery packet comprising superimposed sheet forms having interleaved carbon sheet material, said carbon sheet carrying a plurality of spaced perforated pasting tabs secured to adjacent sheet forms along the margin and at one side of said sheet forms, said sheet forms having a cutaway portion along the opposite margin whereby said carbon sheet can be grasped and detached from said securing tabs and said manifold packet after use.

2. As an article of manufacture, a stationery manifold packet comprising superimposed aligned paper sheets having individual carbon sheets detachably secured between adjacent paper sheets by spaced perforated adhesive tab means positioned adjacent the margin of said paper sheets, said adhesive tab means being arranged to unite said paper sheet into a packet, maintain alignment of said sheets and provide for ready removal of the carbon sheets as a unit from said stationery packet after use.

3. As an article of manufacture, a manifold packet of carbon and paper sheets, said carbon having spaced perforated adhesive tabs along one margin thereof arranged for detachably securing said carbon to said manifold papers and maintaining said papers in packet form after removal of said carbon.

4. As an article of manufacture, a manifold carbon sheet paper having detachable adhesively prepared tabs along one edge of said carbon sheet and arranged to be secured between manifold paper sheets by means of said spaced tabs, said tabs retaining said paper sheets in attached relation after detachment of said carbon from said tabs.

5. As an article of manufacture, a manifold stationery packet comprising superimposed paper sheet forms having interleaved carbon sheet material, said carbon sheet carrying a plurality of spaced perforated pasting tabs secured to adjacent sheet forms along the margin and at one side of said sheet forms, said sheet forms having a cutaway portion along the opposite margin whereby said carbon sheet can be grasped and detached from said securing tabs and said manifold packet after use, said securing tabs remaining secured between adjacent sheet forms and retaining said paper sheet forms in attached relationship after removal of said carbon sheet.

6. As an article of manufacture, a stationery manifold packet comprising superimposed aligned paper sheets having individual carbon sheets detachably secured between adjacent paper sheets by perforated adhesive tab means positioned adjacent the margin of said paper sheets, said adhesive tab means being arranged to unite said paper sheet into a packet, maintain alignment of said sheets and provide for ready removal of the carbon sheets as a unit from said stationery packet after use, said tab means also providing the means to retain the paper sheets in original packet form after removal of the carbon sheets therefrom.

7. As an article of manufacture, a stationery

manifold packet comprising superimposed aligned paper sheets, individual carbon sheets interleaved between said paper sheets, said carbon sheets having tab extensions along a marginal edge thereof which are provided with adhesive upon both faces of the tab, said paper sheets and said carbon sheets being maintained in juxtaposition solely by means of the adhesive tabs, said carbon sheets being detachable from said tabs, said tabs providing means for retaining the paper sheets in packet form after the carbon sheets have been removed therefrom.

MILTON C. STERN.