Aug. 21, 1928. 1,681,168

A. M. BOVIER

RECORD STRIP

Original Filed Sept. 9, 1924

Fig. 1

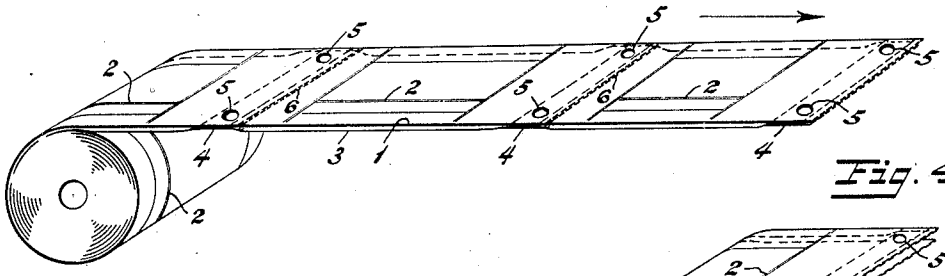


Fig. 4

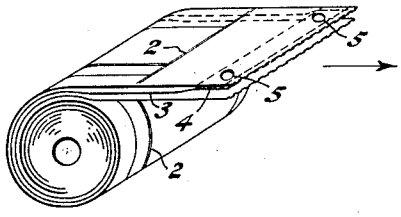


Fig. 2

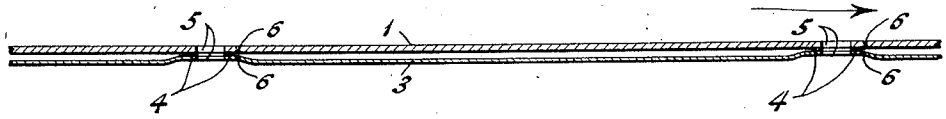
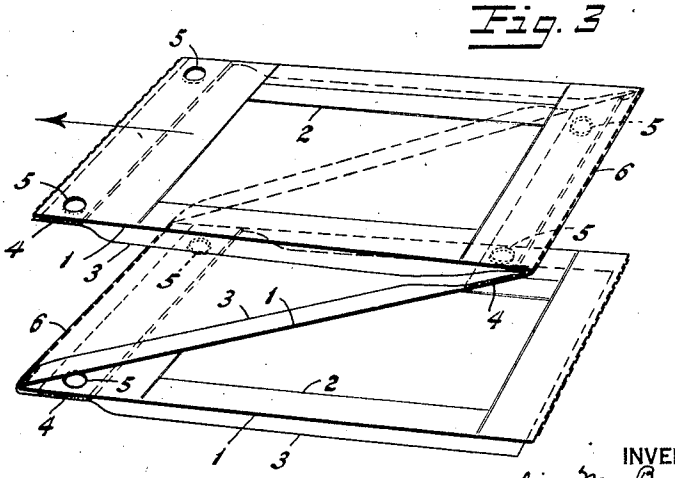


Fig. 3



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# UNITED STATES PATENT OFFICE.

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## RECORD STRIP.

Application filed September 9, 1924, Serial No. 736,687. Renewed October 11, 1927.

This invention relates to pads for manifolding devices.

An object of this invention is to provide a device of the character described having sales records arranged in sets but so arranged that the records of each set may be manipulated as a single sheet in the manifolding device and whereby said records are maintained in registry to the point of use at all times.

A further object is to provide a pad having the ease of manipulation of a single continuous strip but having the capacity of making a plurality of perfectly registered records at a single writing.

Other objects of the invention will in part be obvious and will in part appear hereinafter.

The invention accordingly comprises an article of manufacture possessing the features, properties, and the relation of elements which will be exemplified in the article hereinafter described and the scope of the application of which will be indicated in the claims.

For a fuller understanding of the nature and objects of the invention, reference should be had to the following detailed description taken in connection with the accompanying drawing, in which:

Figure 1 is a perspective view of a pad embodying this invention showing the record strips arranged in roll form,

Fig. 2 is a longitudinal section through the strip of Fig. 1 showing the manner in which the auxiliary records are attached to the main record strip,

Fig. 3 illustrates the manner in which the record strip may be folded to form a zigzag book, and

Fig. 4 is a modification.

In accordance with this invention, there is provided a strip of paper 1 having a plurality of successive forms printed thereon as shown at 2. These blank forms provide a long series of inscription-receiving spaces or areas, in effect forming a series of record or from leaves attached end to end. A second strip, as 3, preferably of tissue lies in superposed relation to the strip 1 throughout its entire length and in turn may have suitable forms printed on it corresponding to the forms 2. For many purposes the tissue strip will be beneath the paper strip as shown. Inasmuch as both strips are particularly adapted to travel forwardly in a manifolding machine or the like, they may be appropriately termed traveler strips and the two strips arranged in mainfolding relation with each other, as more fully described below, may be termed a composite traveler record strip.

The traveler record strips 1 and 2 are attached together by any appropriate known means such for example as an adhesive as shown at 4, this attachment being positioned between successive adjacent sets of forms or record leaves whereby the recording areas of the traveler strip 3 are maintained in registry with the recording areas or forms upon traveler strip 1. These attachments 4 are thus arranged in a series along the composite record strip preferably extending transversely of said strip and being respectively positioned between the adjacent record leaves as clearly shown in the drawing.

In cases where the composite strip is intended to be used in connection with a manifolding machine such as an autographic register having a strip feed controlling mechanism of the well known type employing friction feed disks, said composite strip may be provided with feed controlling apertures 5 so as to cooperate with the feed disks for effecting longitudinal alignment of the record strip. These apertures 5 are preferably arranged in two longitudinal series as shown, and they bear a definite relation to the printed forms whereby the strip will be checked in a definite position with the blank forms over the writing platen of the machine for the reception of an entry.

In order to facilitate the separation of the longitudinal series of forms one from another perforations such as indicated at 6, may be made between adjacent successive sets of record leaves thus still more definitely dividing the composite strip into a succession of record or form leaves. It will be observed that a series of sets of leaves arranged in superposed manifold relation is provided by the construction and arrangement as disclosed. In order to strengthen the advance ends of the record leaves and to facilitate manipulation,

the area of attachment 4 between adjacent record leaves which extends transversely of the strip may include the advance ends of the sheet carrying the control apertures 5. In this manner not only is the advance end of the sheets strengthened but the control apertures themselves are greatly stiffened whereby if the strip be used with aligning pins, the danger of mutilation of the edge of the control aperture by the aligning pins is greatly reduced.

Each transverse line of the perforations 6 is preferably situated immediately in advance of the surface adjacent of attachment between the upper and lower sheets whereby when any set of sheets is torn from the strip the various sheets of the set are automatically severed from each other at the rear end. When the strip is used in a manifolding device the advance set of forms is brought into proper position in the device by grasping the front edge thereof. During this operation the auxiliary sheets are retained in registry with the corresponding sheets of the main strip by reason of the attachment of the strips together. Furthermore, particularly where it is desired to feed the strip between feed rollers, the stiffening furnished at the advance end by reason of the attachment of the sheets facilitates that operation. Moreover, where each strip is brought into position and registered by means of the control apertures, damage to the edges of the control apertures is prevented by the stiffening.

The record made upon the original sheet may be transferred to the auxiliary sheet by any suitable means, as for example, where the auxiliary sheet is made of tissue both sheets may be fed over a carbon sheet whereby the original writing is reproduced upon the underface of the tissue sheet and may be read through it because of its transparency.

As soon as the record is completed upon any set of forms and the form is advanced to the next line of perforations, the completed set may be torn from the machine along the line of perforations and this automatically severs the original from the tissue at the rear end thus facilitating the ultimate severance at both ends.

It will be obvious that a pad may be formed having a plurality of strips folded together as one, either by associating with the strip heretofore described another simple strip, or by associating together two or more of the compound strips heretofore described. In Fig. 4 is illustrated a pad in which a compound strip is associated with a simple strip and the two folded together into a single roll. By this construction a single sheet of two-faced transfer paper may be inserted between the simple strip and the compound strip and thus make three copies of the sales records with a single writing.

Since certain changes may be made in the above article and different embodiments of the invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the following claims are intended to cover all of the generic and specific features of the invention herein described, and all statements of the scope of the invention which, as a matter of language, might be said to fall therebetween.

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

1. A pad for manifolding record devices comprising, in combination, a plurality of traveler strips attached to each other transversely at regularly spaced intervals, there being a weakened line of severance immediately in advance of each of said attachments.

2. A pad for manifolding record devices comprising, in combination, a traveler strip having forms printed thereon, a second strip in superposed relation with said traveler strip and attached thereto at a series of points therealong positioned between the printed forms and free therefrom at the printed forms.

3. A pad for manifolding record devices comprising, in combination, a traveler strip having forms printed thereon and having lines of severance between successive pairs of adjacent printed forms, a second strip in superposed relation to said first mentioned strip and attached thereto between the said pairs of adjacent printed forms and in the rear of the respective adjacent lines of severance and otherwise free therefrom.

4. A pad for manifolding record devices comprising, in combination, a strip having successive forms printed thereon and control apertures in definite relation to and between the successive adjacent printed forms, a second strip in superposed relation with said first mentioned strip and attached thereto in transverse alignment with said apertures.

5. A pad for manifolding record devices comprising in combination, a plurality of strips in superposed relation and folded together into a single pad, certain of said strips being attached to another of said strips transversely at regularly spaced intervals, certain of said strips having forms printed thereon and control apertures bearing definite relation respectively to said forms, said control apertures being situated respectively within the areas of attachment between said sheets.

6. A composite record strip including, in combination, a traveler record strip, and a second traveler record strip substantially coextensive in length with and in manifolding

relation with said first mentioned traveler strip and attached thereto along transverse lines at a series of longitudinally spaced intervals.

7. A composite record strip including, in combination, a traveler record strip forming a series of attached record leaves and a second traveler record strip in manifolding relation with said first mentioned traveler strip and having attachment thereto at a series of longitudinally spaced intervals intermediate the respective adjacent record leaves, said traveler strips being free from attachment to each other at the lateral edges thereof intermediate said first mentioned attachments.

In testimony whereof I affix my signature.

ARCHIE M. BOVIER.