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METHOD AND PRODUCT FOR PRINTING IN DUPLICATE

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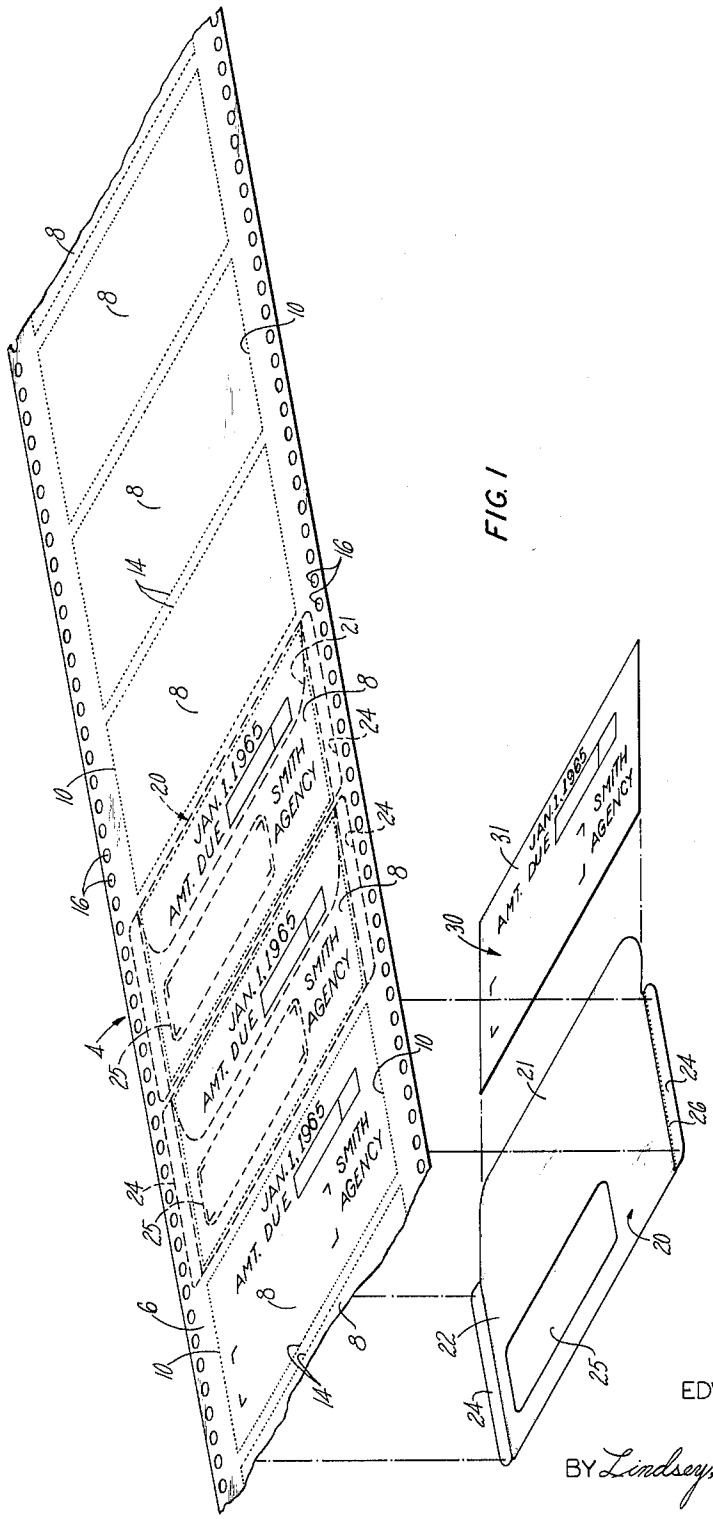


FIG. 1

INVENTOR.
EDWARD J. CARLETON

BY Lindsey, Prutzman and Hayes
ATTORNEYS

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METHOD AND PRODUCT FOR PRINTING IN DUPLICATE

Edward J. Carleton, West Hartford, Conn., assignor to Converters, Incorporated, West Hartford, Conn., a corporation of Connecticut

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1 Claim. (Cl. 101—426)

This invention generally relates to the printing of information in duplicate as, for example, where one of the duplicates is mailed to an individual concerned and the other is retained for record purposes, as in statements of account, or mailed to another as an information copy as in withholding tax statements. More specifically, the present invention relates to a new and improved method of printing information in duplicate and to a novel composite carrier web and envelope product, generally of the type disclosed in U.S. Patent No. 2,723,077 dated Nov. 8, 1955 and entitled "Continuous Envelopes," utilized in the method.

The principal aim of the present invention is to provide an improved and economical method of simultaneously printing information in duplicate which is useful with high-speed printing machines.

Another object of the present invention is to provide a new and improved method of printing information in duplicate which utilizes a novel composite sheet carrier web and envelope product that facilitates the handling of the printed duplicates and the mailing of one of the duplicates.

Other objects will be in part obvious and in part pointed out more in detail hereinafter.

The invention accordingly consists in the features of construction, combination of elements and arrangement of parts which will be exemplified in the construction hereafter set forth and the scope of the application which will be indicated in the appended claim.

In the drawing:

FIG. 1 is a partially exploded isometric view, partially broken away, illustrating a composite web and envelope product in accordance with the present invention.

Referring to the drawing in detail, a composite envelope and web product, generally designated by the numeral 4, is illustrated as including an elongated paper carrier web 6 having a closely spaced succession of forms 8 printed on one side thereof in longitudinal alignment and with the printed form extending transversely of the web 6. The example form shown is a statement of account blank with suitable space for printing an amount due and the name and address of the individual concerned. The forms 8 are shown adapted for ultimate detachment by the provision of longitudinally extending lines of perforations 10 spaced inwardly from the lateral edges of the web and of transversely spaced lines of perforations 14, which together with the lines of perforations 10 define the periphery of the forms 8. The apertures 16 shown along the lateral edges of the web outwardly of the lines of perforations 10 may be provided for appropriate feeding of the carrier web as in the manufacturing of the composite carrier web and envelope product illustrated and in the subsequent printing of this composite product as more fully explained hereinafter.

On the side of the web 6 apposite the printed forms 8 are attached a succession of aligned envelopes 20 disposed transversely of the web in superimposition with the printed forms 8 and with the front face 22 of the envelopes adjacent the web 6. The envelopes 20 are shown attached to the web 6 by end tabs 24 for which

purpose the end tabs 24 are bonded to the web as by suitable adhesive. The tabs 24 are provided with lines of perforations 26 preferably in substantial superimposed relationship with the lines of perforations 10 of the web 6 whereby the forms 8 and envelopes 20 may be simultaneously detached from the composite web envelope product.

A form 30, which may be identical to the forms 8 of the web 6 as shown, is inserted in each of the envelopes, preferably prior to affixing the envelopes to the carrier web, with the printed side 31 of the form 30 adjacent the front face 22 of the envelope and in superimposed relationship with a form 8 of the web. The form 30 is made from a suitable pressure sensitive paper which can be imprinted as a result of pressure. The composite web and envelope product 4, with the forms 30 inserted in the envelopes 20, can then be fed through a suitable automatic printer for printing the desired information directly onto the forms 8 of the carrier web 6 and with the printed information being simultaneously imprinted upon the form inserts 30 of the envelopes in response to the pressure occasioned by the printing of the web.

After the simultaneous printing of the desired information on the forms 8 and 30, the envelopes 20 are separated from the web 6 with the forms 30 remaining in the envelopes 20 as for subsequent mailing for which purpose the closure flaps 21 of the envelopes may be sealed closed prior to the attachment of the envelopes to the carrier web. The method of the present invention has particular application with envelopes having name and address windows 25, as in the illustrated envelopes 20, whereby the name and address of the individual concerned can be printed on the forms 8 and 30 in conjunction with the printing of other information and with the name and address being visible through the window 25 of the envelope.

The forms 8 of the web 6 may be left intact with the web for facilitating handling or may be individually detached from the web 6 in conjunction with the detachment of the envelopes or subsequent thereto and, for example, thereafter retained as a duplicate record.

It will thus be seen from the foregoing that the present invention provides a unique method for printing information in duplicate which may be notably employed in the successive printing of envelope inserts and for additionally simultaneously printing the name and address of the recipient of the envelope and a duplicate of the envelope insert and thereby facilitate the printing and handling of the duplicates in a most economical and expeditious manner.

As will be apparent to persons skilled in the art, various modifications and adaptations of the structure above described will become readily apparent without departure from the spirit and scope of the invention, the scope of which is defined in the appended claim.

I claim:

A method of printing envelope inserts with information applicable to the recipients of the respective envelopes, of addressing the envelopes with the names and addresses of the respective recipients, and of providing printed duplicates of the information and the names and addresses of the respective recipients, comprising the steps of providing an elongated sheet carrier web, providing individual envelopes having windows on a front side thereof and pockets with sheet pressure sensitive inserts of approximately the size of the envelopes pockets therein, independently attaching the envelopes with the pressure sensitive inserts therein onto one side of the carrier web in longitudinally spaced aligned succession and with the front side of the envelopes adjacent the carrier web, successively printing the other side of the carrier web at places thereon overlying the envelope inserts and the envelope windows

with the names and addresses of the recipients of the envelopes respectively and at places thereon overlying the envelope inserts and out of overlying relationship with the envelope windows with additional information applicable to the recipients of the envelopes so as to simultaneously successively imprint the pressure sensitive inserts in the envelopes with the names and addresses of the recipients of the envelopes in alignment with the envelope windows for addressing the envelopes and with additional information applicable to the recipients of the envelopes out of alignment with the envelope windows, and detaching the individual envelopes from the carrier web for transmission thereof to the recipients.

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ROBERT E. PULFREY, *Primary Examiner.*

WILLIAM B. PENN, *Examiner.*

NATHANIEL A. HUMPHRIES, *Assistant Examiner.*