

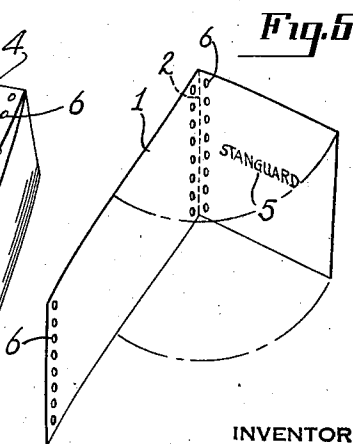
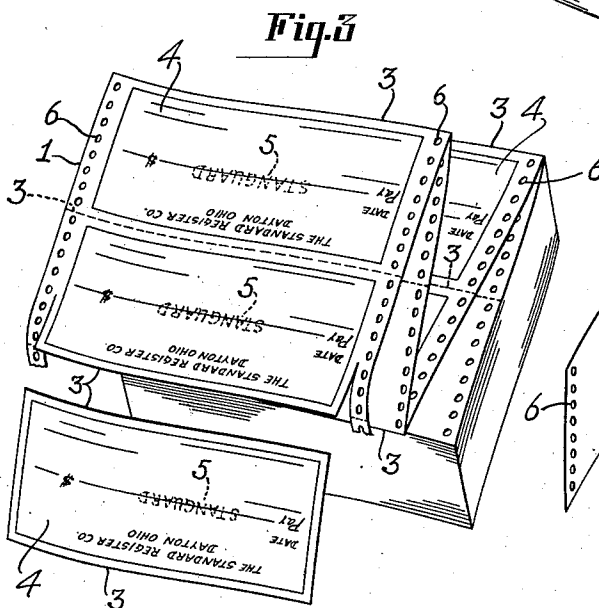
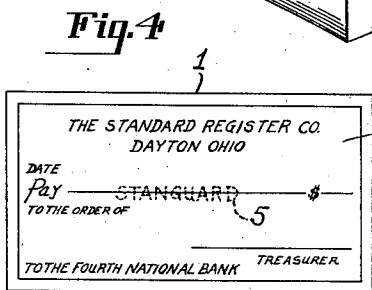
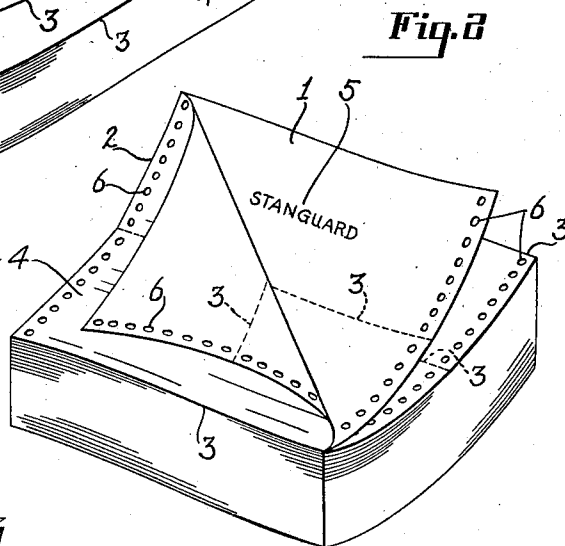
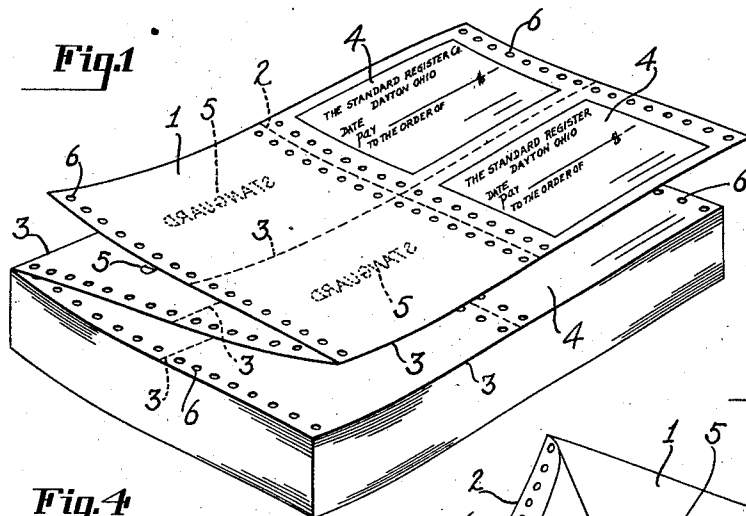
Dec. 26, 1944.

A. W. METZNER

2,365,716

STATIONERY

Filed May 18, 1942



INVENTOR
ALBERT W. METZNER
BY *[Signature]*
ATTORNEY

UNITED STATES PATENT OFFICE

2,365,716

STATIONERY

Albert W. Metzner, Dayton, Ohio, assignor to The
Standard Register Company, Dayton, Ohio, a
corporation of Ohio

Application May 18, 1942, Serial No. 443,369

7 Claims. (Cl. 283—62)

This invention pertains to stationery, record sheets and forms, and more particularly to a method of indelibly individualizing or personalizing such material.

It is quite common practice to water-mark paper during its manufacture by so distributing the paper pulp that letters, designs, or other indicia are delineated by thin areas of the paper which are translucent when viewed against a light.

However, such method can only be utilized for large production and is not practical for small lots of stationery. Moreover, such water-mark method does not enable the identifying mark to be disposed in definite relation with the ultimate stationery sheet or with a printed form.

The present method of procedure enables an identifying name, trade-mark, or design to be incorporated in the sheet material in a predetermined relation therewith and with printed matter thereon and is readily applicable to relatively small lots of material.

The object of the invention is to provide an improved stationery sheet or printed form having an identifying mark or indicia irremovably incorporated therein, which can be easily and conveniently produced in any desired quantity and wherein the mark or design may be accurately positioned in similar relation upon each sheet.

A further object of the invention is to provide personalized stationery possessing the advantageous structural features and meritorious characteristics herein mentioned.

With the above primary and other incidental objects in view as will more fully appear in the specification, the invention intended to be protected by Letters Patent consists of the features of construction, the parts and combinations thereof, and the mode of operation, or their equivalents, as hereinafter described or illustrated in the accompanying drawing.

In the drawing, wherein is shown the preferred but obviously not necessarily the only form of embodiment of the invention,

Fig. 1 is a perspective view of a zig-zag folded packet of printed series connected detachable form stationery in its initial form before assembly.

Fig. 2 is a perspective view of a packet of the material folded on a longitudinal line, but yet unattached in multiply formation.

Fig. 3 is a perspective view of a packet of completed multiply stationery in process of being marginally trimmed and transversely severed.

Fig. 4 is a front view of a printed form embodying the present invention.

Fig. 5 is a perspective view illustrating a modification.

Like parts are indicated by similar characters of reference throughout the several views.

- 5 The present method of marking stationery sheets is a substitute for water-marking of the paper which is applicable to small lots of paper stock and which enables each of a series of sheets to be marked in identical manner and location.
- 10 The material forming the subject matter hereof comprises a multiply sheet having an identifying imprint interposed between the plies thereof by being printed on the inner or adjacent face of one of the plies before they are united one to the
- 15 other.

Referring to the drawing, 1 is a continuous strip of record material transversely foldable upon itself on a longitudinal medial line 2, and is divisible at longitudinally spaced intervals upon transverse weakened lines 3.

The material 1 is relatively thin, so that when folded into two-ply formation its thickness will be substantially equivalent to that of conventional stationery and record form material.

- 25 Upon one-half of the record strip is imprinted a succession of forms or records 4 which are divisible from each other upon the transverse weakened lines 3. On the reverse side of the other half of the strip 1 are imprinted at longitudinally spaced intervals opposite the record forms 4 a series of identifying imprints 5. These may be a name, a number, a design, a trade-mark or other indicia.

- After being imprinted as described with the forms 4 on one-half of one face of the strip and the imprints 5 upon the opposite face of the other half of the strip, the strip is folded upon itself upon the medial line 2 whereby the imprints 5 are interposed between the folded halves of the strip.
- 40 The plies of the folded strip are then securely united by cementing or glueing to form a two-ply strip.

- Obviously the imprints 5 may be made at spaced intervals on the opposite side of same half of the strip which receives the printed record forms 4. In either event the imprint 5 is interposed between two superposed plies of the final sheet and is not accessible for removal or change from either side thereof. Neither is the imprint ordinarily
- 50 visible from either side of the sheet as to interfere with or obscure written or imprinted data thereof, but is plainly discernable upon being viewed against a light.

In this respect the imprint which may be a trade-mark, name, number, or other identifying

55

indicia resembles a water-mark in a paper sheet. It is not necessary that the duplex or multiply sheet having the identifying imprint 5 incorporated therein and inaccessible from either side, be imprinted with a stock form, but the finished stationery may comprise a plain or blank sheet between the plies of which the identifying imprint 5 is interposed. Likewise the successive sheets may be separately imprinted and a second separate sheet may be superposed thereon over the imprint 5. However, the continuous strip form illustrated greatly facilitates production of suitably marked stationery.

In Fig. 5 is shown a modification wherein the overlapping portions of the sheet are of different extent, resulting in a sheet one portion of which is of double ply while the remainder is of single ply, with the identifying imprint 5 upon one of the inner faces of the double ply portion of the unit.

For convenience in feeding the assembled strip through a writing or imprinting machine, the strip is shown provided with parallel longitudinal series of spaced feed holes 6 for engagement of a pin type feeding device. The holes 6 are so located in the initial strip that upon folding the holes 6 of one portion register with those of the opposite portion to form marginally disposed feed holes in the final strip as shown in Figs. 2 and 3. Such punching, however, is not essential to the marking feature and may be omitted.

From the above description it will be apparent that there is thus provided a device of the character described possessing the particular features of advantage before enumerated as desirable, but which obviously is susceptible of modification in its form, proportions, detail construction and arrangement of parts without departing from the principle involved or sacrificing any of its advantages.

While in order to comply with the statute, the invention has been described in language more or less specific as to structural features, it is to be understood that the invention is not limited to the specific features shown, but that the means and construction herein disclosed comprise the preferred form of several modes of putting the invention into effect, and the invention is therefore claimed in any of its forms or modifications within the legitimate and valid scope of the appended claims.

Having thus described my invention, I claim:

1. Series connected detachable form stationery comprising a continuous strip of translucent material foldable upon itself upon a longitudinal fold line, a succession of longitudinally spaced imprints permanently enclosed upon an inner face of the folded strip, the folded areas of the strip being united face to face with the imprint therebetween, and a succession of longitudinally spaced transverse division lines intermediate succeeding imprints upon which the folded strip is divisible into a series of separate sheets, the con-

struction and arrangement being such that imprinted characters are irremovably embedded within a sheet assembly intermediate superposed plies thereof in simulation of a conventional watermark and visible only upon observation through the translucent sheet assembly.

2. As an article of manufacture, at least two superposed sheets of translucent material fixedly united face to face and an identifying imprint upon the inner face of one of the sheets interposed therebetween and inaccessible from either side of the assembly without mutilation of one of said sheets, comprising a silhouette visible only by observation through the sheet assembly against an illuminated field.

3. As an article of manufacture a translucent stationery sheet of multiply construction and an identifying indicia disposed upon an inner face of one of the translucent plies thereof and overlaid by another ply of the translucent sheet, the construction and arrangement being such that the incorporated identifying indicia is normally invisible when viewed by direct illumination and becomes visible only when viewed as a silhouette, through the sheet assembly against an illuminated field.

4. A stationery sheet comprising superposed plies of translucent material united face to face and an identifying indicia interposed between the superposed plies, the translucent material being of sufficient capacity to normally obscure view of the incorporated identifying indicia, but sufficiently translucent to enable the incorporated identifying indicia to be viewed in silhouette through the sheet assembly against an illuminated field.

5. A stationery sheet comprising superposed translucent plies of material united face to face and an identifying indicia normally concealed between the plies and visible through the plies only when viewed as a transparency.

6. A record sheet including superposed plies of translucent material securely united into a single unitary assembly and opaque indicia interposed therebetween, the construction and arrangement being such that the indicia are normally inaccessible and the vision thereof somewhat obscured in direct lighting but easily visible by light transmitted through the sheet as a transparency.

7. A record sheet comprising an assembly of superposed plies of translucent material, an imprinted legend upon an exposed face of one of the plies of the assembly, substantially opaque indicia imprinted upon an inner face of one of the superposed plies of the assembly, the assembly of plies being fixedly united into a unitary sheet wherein the imprinted indicia are normally inaccessibly enclosed therein and observable through the translucent plies of the sheet and the imprinted legend is exposed upon an exterior face of the assembly.

ALBERT W. METZNER.