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2,449,770

METHOD OF RUNNING DIRECT PROCESS GUMMED UNITS

Filed April 2, 1945

2 Sheets-Sheet 1

FIG. 1.		FIG. 2.	
25	26	27	28
THE CHICAGO TRACTOR CO. 123 MAIN ST. CHICAGO, ILL. OUR ORDER NO. A-3073 DATE ORDER MADE 10-30-1944 CONTRACT NO. 1739 SOLD TO JOHN DOE & CO. 436 GREEN ST. COLUMBUS, OHIO SHIPPED TO SAME		THE CHICAGO TRACTOR CO. 123 MAIN ST. CHICAGO, ILL. OUR ORDER NO. A-3073 DATE ORDER MADE 10-30-1944 CONTRACT NO. 1739 SOLD TO JOHN DOE & CO. 436 GREEN ST. COLUMBUS, OHIO SHIPPED TO SAME	
PART NO.		PART NO.	
DESCRIPTION		DESCRIPTION	
TERMS: NET CASH		TERMS: NET CASH	
3890	SHAFT	3890	SHAFT
2A07	DISC	2A07	DISC
2874	COLLAR ASSEMBLY	2874	COLLAR ASSEMBLY
2833	SCREW	2833	SCREW
8860	YOKE ASSEMBLY	8860	YOKE ASSEMBLY
6836	SEGMENT ASSEMBLY	6836	SEGMENT ASSEMBLY
2870	RIVET	2870	RIVET
7818	PLATE ASSEMBLY	7818	PLATE ASSEMBLY
3857	BELLOWS ASSEMBLY	3857	BELLOWS ASSEMBLY
1866	SHIM	1866	SHIM
1F23	CASE	1F23	CASE
6892	BOLT	6892	BOLT
1842	NUT	1842	NUT

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2 Sheets-Sheet 2

FIG. 3.

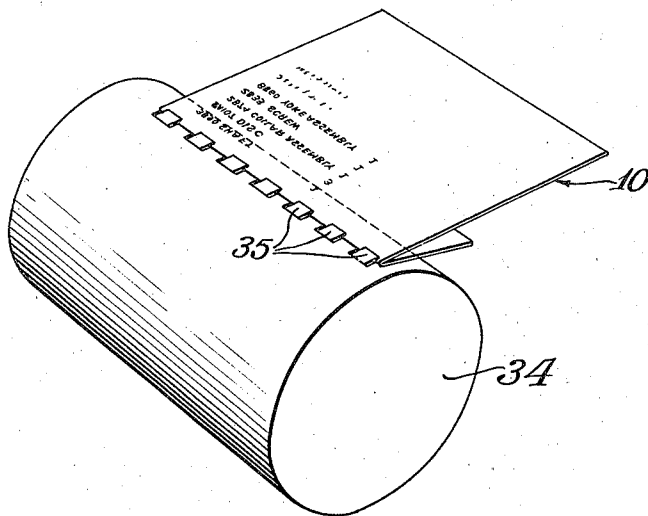
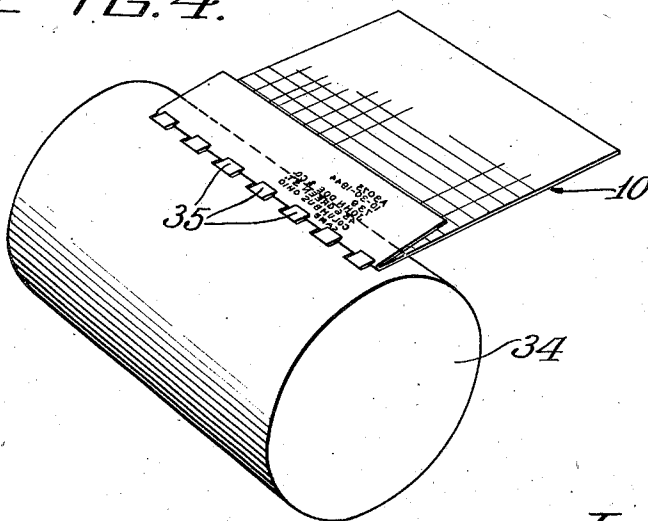


FIG. 4.



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METHOD OF RUNNING DIRECT PROCESS
GUMMED UNITSHarold L. Dempsey, Columbus, Ohio, assignor to
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3 Claims. (Cl. 101—131)

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My invention relates to methods for selectively imprinting unlike data upon a plurality of cards assembled in a series and also to imprint upon such cards certain like information hereinafter called general data, the unlike data being designated specialized data. The invention is of use in the art of duplicating and is of particular use in connection with wet process duplicating although not so limited.

When my invention is applied to the wet process art of duplicating, I provide a master having general data thereon and a plurality of sections of specialized data, all of this data being provided thereon with duplicating ink.

In order to expedite such transference of data, I arrange a plurality of unit strips of like width into a series or assembly suitably fastened together in stepped relation so that each card discloses a predetermined width of offset portion. After the cards are thus assembled, I fold the master in such a manner that merely that portion thereof with specialized data is exposed and then press the moistened card assembly against that portion of the master with the offset portion aligned with the specialized data sections. After this specialized data has been transferred to this multiplicity of cards, the unitary character of the assembly is broken by detaching the cards from their mounting and the master is turned over so as to expose that portion thereof which contains the general data. Each one of the cards may then be successively moistened and pressed against the master to transfer the general data to said cards.

I will describe one form which my invention may take by referring more particularly to the accompanying drawings in which—

Fig. 1 is a front view showing a unit strip assembly, certain portions being broken away more clearly to reveal features of construction and arrangement;

Fig. 2 is a front view of the unfolded master, the data on the front face being in reverse in copying ink on the rear face thereof;

Fig. 3 is a view showing the folded master attached to a printing drum in such relationship as is needed to transfer the specialized data to the cards; and

Fig. 4 is a similar view to that of Fig. 3 with the folded master arranged upon the drum in such manner that the general data may be transferred successively to the individual cards.

Referring more particularly to Fig. 1, I show a unit strip assembly designated generally by the numeral 10, which unit strip assembly consists

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of the cards 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, and 24. These cards as shown are arranged in stepped or offset relationship and are held together by gummed extension strips 25 and 26 respectively, thus to make an assembly which can be handled without fear of disarrangement. It will be noted that each one of the cards has an offset portion which is designed to have imprinted thereon certain unlike or special information and that the lower portion of each card is intended for the reception of certain general information which has relationship to all of the specialized information.

Fig. 2 is a master sheet 27, the front face of which is shown but which on its rear face has the same legends (but in reverse) as are shown on the front face, the legends on the reverse face, however, being in copying ink and aligned. This master has a section 28 adapted for the reception of general data and has a plurality of sections 29 for the reception of unlike or specialized data. The width of each section of specialized data is equal to the offset portion of the cards in the assembly 10.

Two folding lines are designated on the master sheet, respectively the folding line 30 and the folding line 31. The general information which is transferred to the cards is the information above the line 31. Between lines 31 and 30 there may also be some transferable material which, however, is not designed to be imprinted on the cards. There are two other sections of the master sheet, respectively the sections 32 and 33 which, however, are not provided with any legends in copying ink. These two sections are of a width corresponding to one offset width of one of the cards and when the specialized information is transferred to the card assembly, the spaces 32 and 33 cover the offset portion of the first card 11 so that no specialized data is imprinted on said card.

Now in order to clarify the operations thus described, I will refer to the use of my improved method in connection with the drum of a wet process duplicating machine. Such application is shown in Figs. 3 and 4. Referring then to these figures, I show a drum 34 having clips 35 with which to hold a master sheet, as well understood in the art. In order to print the specialized data upon the assembly, I fold the master along line 30 and insert it on the drum as shown in the illustration. The card assembly may then be inserted into the machine in juxtaposition to the exposed or uppermost portion of said master and the specialized data transferred to the as-

sembly, it being understood, of course, that the assembly is previously moistened prior to its contact with the master. After the specialized data is thus transferred to the cards, the cards are separated from their mounting strips 25 and 26, and thereupon the master is reversed on the drum as shown more clearly in Fig. 4, so that the general data is uppermost or outermost. The individual cards may then be moistened and fed through the machine to transfer the general data upon the cards. Should it be desired to omit the transferable material on the master which is found between the fold lines 30 and 31, then the master is folded along line 31 instead of along line 30 when it is inserted into the drum in the manner shown in Fig. 4.

From what has been thus described, the nature of my invention will be clear to those skilled in the art, and it will also be apparent that modifications thereof may be made within the spirit of the appended claims.

What I claim is:

1. In the method of duplicating from reverse copy whereby to transfer like and unlike copy from a master to a plurality of moistened copy card unit strips of like width, the steps of placing general data constituting the like copy on one area of a master and uniformly spaced lines of specialized data constituting said unlike copy on another adjacent area of said master, preparing an assembly of unit strips in overlapped stepped relation detachably fastened together with the offset portion of each card of said strip of a width to receive a line of said specialized data, and with the general data receiving portions of said overlapped cards covered by the cards overlapping the same, folding the master back on itself between the area having the general data thereon and the area having the specialized data thereon with the general data carrying area underneath, pressing the moistened card assembly with its offset portions in alignment with the lines of specialized data on said specialized data carrying area into engagement with the exposed face of said master to thereby transfer a line of specialized data respectively to each of said card offsets, separating said cards from each other by detaching said cards from said assembly, reversing said master in such folded condition so as to have the area thereof with the general data thereon uppermost, and placing the individual moistened cards successively against the area of said master then exposed to thereby imprint said general data upon said cards.

2. In the method of duplicating from reverse copy whereby to transfer like and unlike copy from a master to a plurality of moistened copy card unit strips of like width, the steps of placing general data constituting the like copy on one area of a master and uniformly spaced lines of specialized data constituting said unlike copy on another adjacent area of said master, preparing an assembly of unit strips in overlapped stepped relation detachably fastened together with the offset portion of each card of said strip of a width to receive a line of said specialized data, and with the general data receiving portions of said overlapped cards covered by the cards overlap-

ping the same, folding the master back on itself between the area having the general data thereon and the area having the specialized data thereon with the general data carrying area underneath, pressing the moistened card assembly with all but one of its offset portions in alignment with the lines of specialized data on said specialized data carrying area into engagement with the exposed face of said master to thereby transfer a line of specialized data respectively to all but one of said card offsets, separating said cards from each other by detaching said cards from said assembly, reversing said master in such folded condition so as to have the area thereof with the general data thereon uppermost, and placing the individual moistened cards successively against the area of said master then exposed to thereby imprint said general data upon said cards.

3. In the method of duplicating from reverse copy whereby to transfer like and unlike copy from a master to a plurality of moistened copy card unit strips of like width, the steps of placing general data constituting the like copy on one area of a master and uniformly spaced lines of specialized data constituting said unlike copy on another adjacent area of said master, preparing an assembly of unit strips in overlapped stepped relation detachably fastened together with the offset portion of each card of said strip of a width to receive a line of said specialized data, and with the general data receiving portions of said overlapped cards covered by the cards overlapping the same, folding the master back on itself between the area having the general data thereon and the area having the specialized data thereon with the general data carrying area underneath, pressing the moistened card assembly with its offset portions in alignment with the lines of specialized data on said specialized data carrying area into engagement with the exposed face of said master to thereby transfer a line of specialized data respectively to each of said card offsets, separating said cards from each other by detaching said cards from said assembly, unfolding said master and refolding it along a line to place a portion of the general data carrying area on the same side of the fold line as said specialized data carrying area with said portion and said specialized data carrying area underneath, and placing the individual moistened cards successively against the area of said master then exposed to thereby imprint the remainder of said general data upon said cards.

HAROLD L. DEMPSEY.

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