A. S. GILMAN.

MULTIPLE FORM SHEET.

APPLICATION FILED FEB. 2, 1916.

1,301,834. Patented Apr. 29, 1919.

Fig. 1.

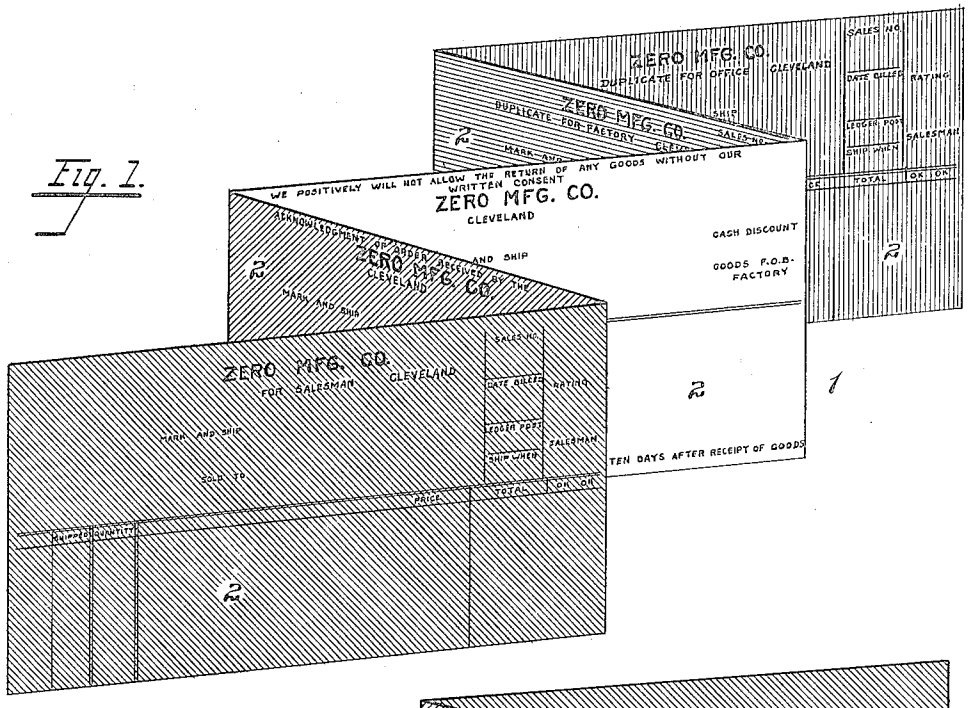
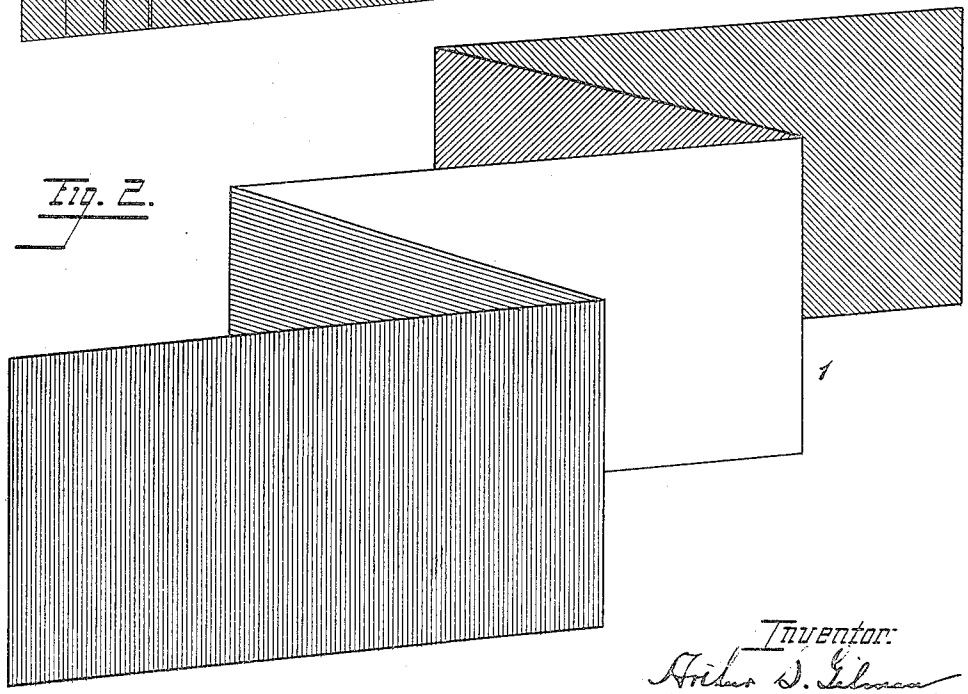


Fig. 2.



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UNITED STATES PATENT OFFICE.

ARTHUR S. GILMAN, OF CLEVELAND, OHIO.

MULTIPLE FORM-SHEET.

1,301,834. Specification of Letters Patent. Patented Apr. 29, 1919.

Application filed February 2, 1916. Serial No. 75,660.

To all whom it may concern:

Be it known that I, ARTHUR S. GILMAN, a citizen of the United States, resident of Cleveland, county of Cuyahoga, and State of Ohio, have invented a new and useful Improvement in Multiple Form-Sheets, of which the following is a specification, the principle of the invention being herein explained and the best mode in which I have contemplated applying that principle, so as to distinguish it from other inventions.

My invention relates to multiple form sheets which are used in connection with duplicating type writing machines for the purpose of forming a multiplicity of records or documents with one type writing operation.

The object of the invention is to provide such a form sheet wherein the various slips which together constitute the form may, after detachment, be readily identified either for filing or when it is desired to select a slip of a given character.

The said invention consists of means hereinafter fully described and particularly set forth in the claims.

The annexed drawing and the following description, set forth in detail certain means embodying my invention, the disclosed means, however, constituting but one of various mechanical forms in which the principle of the invention may be employed.

In said annexed drawing:—

Figure 1 represents a perspective view of a multiple form strip embodying my invention, the said figure showing the obverse side of each slip and also showing the strip in a partially distended or separated position for the purpose of more clearly showing the difference between the individual slips.

Fig. 2 represents a perspective of such strip but showing the reverse side of each slip.

The illustrated embodiment of my invention comprises an integral strip 1 of paper which may be of any desired length and which is folded in a zigzag form to provide a multiplicity of registering slips 2 superimposed when they are stored prior to use or when they are being used in the typewriting machine. That part of the strip which is to form the edges of the slips is partially perforated in the usual manner in order to facilitate folding, as will be readily understood.

Prior to folding the strip, it is passed through a suitable coloring machine and each slip has applied to its obverse and reverse sides a coloring fluid of distinctive color, each slip being thus provided with a foundation color different from that of all of the others. The slip is then passed through a printing machine which impresses upon one or both sides, as the case may be, of each slip the desired printed form matter in the usual manner and as will be readily understood by those skilled in the art.

Where the paper originally is white or any other color, the imparting of color to one of the slips may be omitted and I have illustrated the third slip to be of the original color of the paper, namely, white, the other slips being colored green, brown, blue and pink, respectively. With the printed matter or legends shown to be impressed upon them the respective slips in the illustrated embodiment of my invention, form a slip for the salesman, an acknowledgement of the order, the original invoice, a duplicate for the factory and a duplicate for the office respectively, although it will be readily understood that any desired forms may be provided by the use of suitable printed matter.

After the strip has been manipulated in the above described manner, it is then folded and ready for use. In such use, as heretofore, carbon papers are inserted between contiguous sheets so that the typewritten matter placed upon the uppermost slip is duplicated on all of the others.

After the typewritten matter has been inserted, the strip is removed from the typewriting machine and the slips detached from each other. After they are so detached, it will be seen that each one bears a distinctive color, the color being the same on both the obverse and reverse side of each slip. Being so colored, they are readily distinguished from each other by color so that when it is desired to select a given form for the purpose of examination or for filing or for any other purpose, such form may be so selected in a ready manner by its color alone, the clerks having such selection in charge becoming in a short time familiar with that color which is identified with a certain form. This being the case, therefore, it will be seen that it will not be necessary to rely upon the printed matter for the ready selec-

tion of a desired form and much time and labor is thus saved, as will be readily understood by those skilled in the art.

I desire to be understood that I do not limit myself to slips which are provided with a solid foundation color but any arrangement of coloring matter, other than colored printed type-matter and which will impart to the slip a distinctive color readily discernible and hence capable of ready selection, may be used for the purpose specified. For instance, a multiplicity of colored lines placed more or less closely together might be used which would give the general impression of solidity of color, or any one of various other means embodying the principle of my invention, might be used without departing from the spirit thereof.

It may be found advantageous or desirable in some cases to have the strip include one or more slips of duplicate color, where such duplication would not seriously prevent or interfere with the ready selection which this device permits. In such event instead of all of the slips differing from each other in color, each slip would be of a color different from that of at least some of the others, the same principle of the invention being, however, still present.

As an example, it might be found desirable to vary the illustrated form by increasing the length so as to add say three more slips having duplicate colors, and these three slips could be separated in their entirety and the remainder of the slips used in an entirely different department of a given business than that in which such remainder of the slips would be used. In this event the strip would simply embody two duplicate examples of my invention, such torn off portion forming one strip of slips of different color and the remaining portion of the strip forming another strip of slips of different color.

Modifications other than that above suggested might be made embodying my invention, as will be readily understood by those who are familiar with the uses of this class of devices.

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

1. An integral strip of paper folded zigzag and forming a multiplicity of slips for manifold purposes, different slips being of different color and the colors being substantially coextensive with their respective slips.

2. An integral strip of paper folded zigzag and forming a multiplicity of strips for manifold purposes, adjacent slips being of different color and the colors being substantially coextensive with the respective slips, said adjacent slips being also provided with printed legends and corresponding blank spaces in register.

3. An integral strip of paper foldable zigzag to form a multiplicity of strips for manifold purposes, adjacent strips being of different color, the colors being substantially coextensive with the respective strips on both sides throughout.

Signed by me, this 18th day of January, 1916.

ARTHUR S. GILMAN.