Aug. 28, 1934. H. TOPF 1,971,629

DRY STENCIL CARBON

Filed Sept. 19, 1932

Fig 3

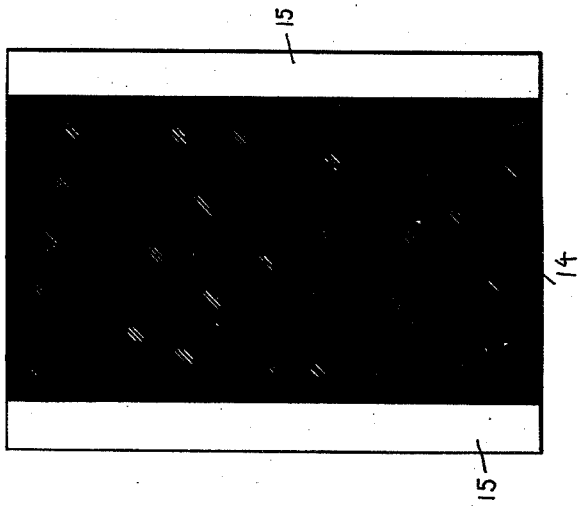


Fig 1

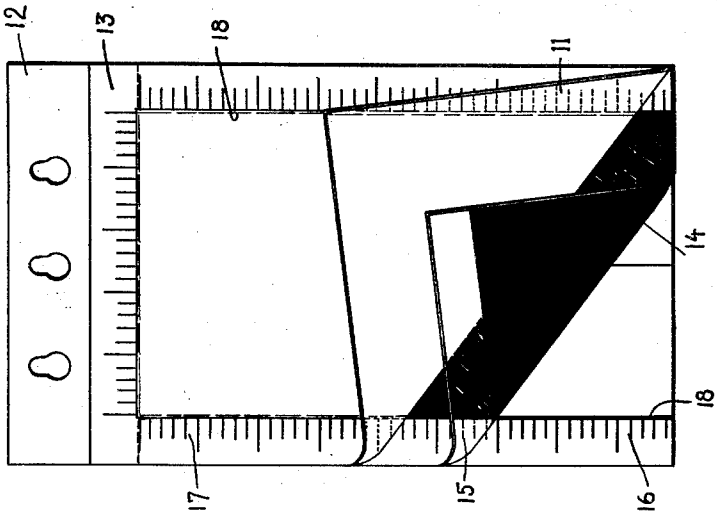
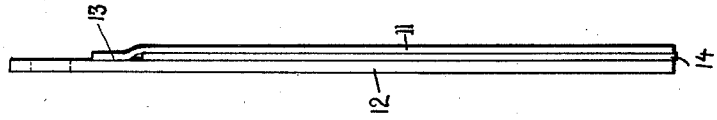


Fig 2



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DRY STENCIL CARBON

Henry Topf, New York, N. Y.

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12 Claims. (Cl. 41—3.5)

This invention relates to dry stencils used for mimeographing; more particularly it relates to means used in connection with such stencils for facilitating the handling and use thereof.

At the present state of the art, dry stencils are preferably applied in the following manner:

A stencil proper is arranged upon a backing, which protects the sensitive stencil by its stiffness and also aligns the stencil while a copy is produced thereon.

The stencil is frequently fastened upon the backing along its top margin so that the major part thereof rests loosely on the backing and so that paper may be inserted between the stencil and the backing.

During the handling of the stencil a protective sheet is ordinarily inserted between the stencil and the backing which extends substantially over the whole surface of free contact of the stencil and the backing, and which primarily serves to prevent a transfer of the fatty substance of the stencil to the backing for the obvious reason. The said protective sheet is removed when the stencil is to be used.

The backing is ordinarily ruled and provided with scales and legends or numerals, where it is covered by the stencil, such marking being visible through the stencil extended thereover and serving to give the user his bearings while preparing the copy.

In order to provide greater visibility of the copy, typing or whatever is otherwise imposed upon the stencil, while such a copy is being made, a so-called carbon paper is inserted,—the transferable coating up,—between the stencil and the backing, said carbon paper being ordinarily substantially white, (i. e. provided with a white coating) when a dark,—say blue,—stencil is used, or dark,—say black, (with a carbon coating)—when a light, say white, stencil is used. Such carbons are ordinarily opaque and for that reason they are not of the size of the space of free contact between the stencil and the backing, because they would not allow vision through the stencils of the markings on the backing. Since such markings are ordinarily provided around the margins of the backing which is located underneath the free part of the stencil, the size of the carbon is correspondingly limited in length as well as in width. Since the carbon is not of the size of the free part of the stencil, it cannot be accommodated thereunder in storage and handling because the sensitive stencil would be cut or broken along the margins of said carbon.

It is my invention to use the carbon which is of the full size of the free surface of the stencil contacting with the backing so that the said breaking or spoiling of the stencil does not take place, making the margins of said carbon however translucent so that the above mentioned markings on the backing may be seen through the stencil and the translucent margin of the carbon.

A carbon of this kind may be inserted between the stencil and the backing at the time of manufacture and dry stencil may be handled in this manner, the said carbon fulfilling at the same time another object of this invention, according to which it takes the place of the protective sheet mentioned above. Now the fatty substance of the stencil obviously cannot reach the backing, because carbons are ordinarily impervious to such fatty substance and because the carbon paper now extends over the whole free contacting surface of the stencil.

My invention is illustrated by the accompanying drawing, in which:—

Fig. 1 shows a plan view of a dry stencil in which my invention is used, the stencil and the carbon being partly turned over.

Fig. 2 is a corresponding side view.

Fig. 3 shows a carbon of my invention in a plan view.

Similar numerals refer to similar parts throughout the various views.

The stencil 11 is shown to be attached to the backing 12 along its upper margin 13, in the manner known to those acquainted with this art. Between the free part of stencil 11 and the backing 12 is inserted the carbon 14 of my invention; it is shown to be translucid along its side margin 15 so that the scale 16 provided on the margin of the backing may be seen therethrough and through the stencil, as shown at 17. The line 18 on the backing does not show through the carbon and the stencil because it is located underneath the opaque part of the carbon, the translucid margin 15 of the carbon 14 is chosen exemplarily of the width displayed.

The translucid margin 15 may be either transparent or translucent. The said margin may be either attached to the opaque carbon during manufacture or the carbon paper may be covered with the coating substance during the manufacture to such a width only that the said margins or other sections of the paper are kept free and the said margins or sections may be made translucid by applying the fatty substance thereto. Of course a material may also be used originally in making the carbon paper, which is sufficiently translucid to allow visibility of the

markings through the margins of the finished paper, non pro tunc.

In the views of the drawing, particularly in the view of the carbon sheet itself of Fig. 3, the carbon is exemplarily shown to be provided with translucid margins at the sides.

It is understood that I may also make all margins translucid or on top and sides or even only one marginal side, as the particular use, to which the stencil may be put, may require, and in accordance with the markings of the backing which are to be seen through the stencil and carbon. Obviously any other part may also be kept translucid as the intended use may require.

In accordance with commercial usage a sheet or paper provided with a transferable coating is here called carbon or carbon paper, also the coating is not necessarily black.

Although I have shown and described one form of embodiment of my invention in detail, yet I do not wish to be limited thereby, except as the state of the art and the appended claims may require, for it is obvious that various modifications and changes may be made in the form of embodiment of my invention, without departing from the spirit and scope thereof.

What I claim is:—

1. In combination with a stencil, a sheet substantially of the size of said stencil, a transferable coating on said sheet and translucid sections on said sheet.

2. In combination with a stencil, a sheet substantially of the size of the said stencil, a transferable coating on said sheet and a translucid margin on said sheet.

3. In combination with a stencil, a sheet substantially of the size of said stencil, and a transferable coating on part of said sheet the remaining part thereof being translucid.

4. In combination with a stencil, a sheet substantially of the size of the free back of said stencil, a transferable coating on said sheet and translucid sections on said sheet.

5. In combination with a stencil, a sheet substantially of the size of the free back of said stencil, a transferable coating on said sheet and a translucid margin on said sheet.

6. In combination with a stencil, a sheet substantially of the size of the free back of said stencil, and a transferable coating on part of said sheet the remaining part thereof being translucid.

7. In combination with the backing and stencil of a dry stencil, a sheet interposed between said backing and said stencil, and a transferable coating on part of said sheet, the remaining part of said sheet being translucid.

8. In combination with the backing and stencil of a dry stencil, carbon paper interposed between said backing and said stencil, and a translucid margin on said carbon paper.

9. In combination with the backing and stencil of a dry stencil, and markings on said backing visible through said stencil, carbon paper interposed between said backing and stencil and translucid sections in said paper through which said markings are visible.

10. In combination with the backing and stencil of a dry stencil, and markings on said backing visible through said stencil, carbon paper separating said backing and stencil and translucid sections in said paper through which said markings are visible.

11. In combination with the backing and stencil of a dry stencil, and markings on said backing visible through said stencil, carbon paper separating the freely abutting parts of said backing and stencil and translucid sections in said paper through which said markings are visible.

12. In combination with the backing and stencil of a dry stencil, and markings on said backing visible through said stencil, a sheet separating said backing and said stencil comprising, a transferable coating and a translucid section substantially registering with said markings.

HENRY TOPF.