

Sept. 14, 1926.

1,599,800

W. H. VAN SICKEL

STENCIL KNIFE BLADE HOLDER

Filed Dec. 4, 1925

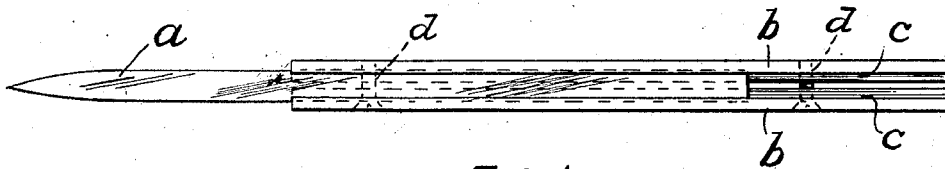


FIG. 1.

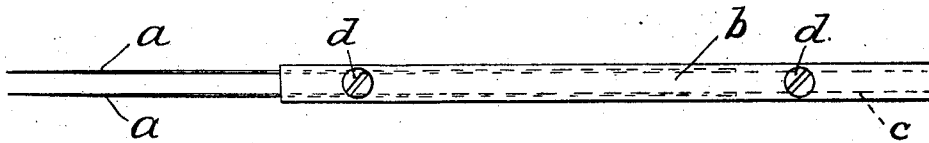


FIG. 2.

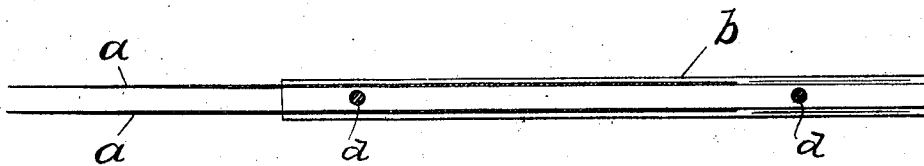


FIG. 3.

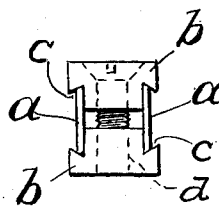


FIG. 4.

WITNESS:

W. H. Van Sichel

INVENTOR

Wilber H. Van Sichel

BY

Bureau and Harding

ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILBER H. VAN SICKEL, OF LANGHORNE, PENNSYLVANIA, ASSIGNOR TO THE DALLETT COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF NEW JERSEY.

STENCIL-KNIFE-BLADE HOLDER.

Application filed December 4, 1925. Serial No. 73,082.

In different operations, such as the production of ornamental designs, lettering, etc., on granite, marble and other stones, by means of a sand blast, it is customary to cover the surface of the stone with a glue-like or plastic substance and then, by means of knives, to cut away and remove the glue along such narrow bands or over such restricted areas that the exposed surfaces of the stone will form lettering, ornamentation, etc. When the stone is exposed to the action of a sand blast, only the exposed surfaces will be abraded, and when the film or layer of glue is subsequently removed from the stone, the sand-abraded surfaces will form lettering, ornamentation, etc., precisely corresponding to the areas and bands of glue that had been removed by the knives.

The cutting away of the surface of glue is effected by means of a stencil knife having a blade both edges of which are sharpened and that terminates in a point. Owing to the fact that the point and sharpened edges are drawn along and over a stone surface, the knives become dull very quickly and must be frequently re-sharpened. Practically, it is necessary to have on hand a number of knives, in order that the work may proceed expeditiously.

In cutting away narrow bands of the removable layer of glue, the operation is facilitated by using a two-bladed knife, the blades being in parallel relation and spaced apart. It is the object of the invention to avoid the necessity of providing a multiplicity of knives and instead to provide a holder so constructed that a pair of blades may be readily inserted therein and be firmly held therein and may be readily removed to allow the substitution of another pair of blades.

A preferred embodiment of the invention is shown in the accompanying drawings, in which—

Fig. 1 is a side view of the holder with a pair of stencil knives inserted.

Fig. 2 is a plan view.

Fig. 3 is a longitudinal section.

Fig. 4 is an enlarged end view.

The blades *a, a* are clamped between two

clamping bars *b, b*. These clamping bars are cut away on opposite sides to form longitudinally extending dove-tail recesses *c, c*. Each recess is formed partly in one bar and partly in the other bar. The blades are slipped longitudinally into the respective recesses while the bars are held at a suitable distance from one another after loosening the screws *d, d*, which extend through both bars. By tightening the screws, the blades are firmly clamped in their respective recesses.

If desired, the screws may be turned to separate the bars a distance sufficient to permit the blades to be slipped laterally, instead of endwise, into their recesses.

The holder is obviously adapted to hold blades of different width. The narrower the blades, the more nearly the bars will be approximated when the screws are tightened.

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

1. A stencil knife blade holder comprising two parallel bars, each bar being recessed on each side to form a half recess complementary to a corresponding half recess in the other bar, thereby forming two knife receiving recesses on opposite sides of the holder each of which is formed partly in one bar and partly in the other, and means to secure the bars together and to move them toward one another in order to clamp in the recesses a pair of knife blades inserted therein.

2. A stencil knife blade holder comprising two parallel bars, the holder being provided with dove-tail blade-holding recesses on opposite sides, each recess being formed partly in one bar and partly in the other, and screws extending through both bars in order that the bars may be retracted to allow blades to be inserted and removed and may be moved toward one another to confine the blades in the recesses.

In testimony of which invention, I have hereunto set my hand, at Philadelphia, Pennsylvania, on this 28th day of November, 1925.

WILBER H. VAN SICKEL.