

A. B. DICK.
STYLUS.

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1,152,800.

Patented Sept. 7, 1915.

Fig. 1

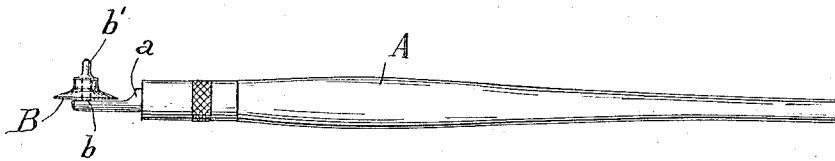
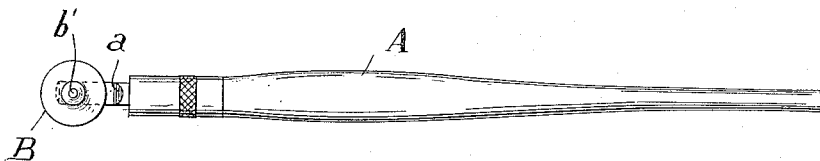


Fig. 2.



WITNESSES

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STYLUS.

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To all whom it may concern:

Be it known that I, ALBERT B. DICK, a citizen of the United States, residing at Lake Forest, in the county of Lake and State of Illinois, have invented certain new and useful Improvements in Styli, of which the following is a specification.

The object of the present invention is to provide a stylus suitable for coaction with stencil-sheets of the character commonly used in the duplication of typewritten and other matter, such stylus being particularly adapted for the ruling of lines upon such material. Heretofore it has been proposed to use for this purpose a stylus having a small wheel provided with a toothed or serrated periphery, this coacting with stencil-paper designed for the duplication of autographic matter, such paper being of very thin and closely woven material coated with hard wax. The co-action of the toothed wheel with paper of this description has been essentially a perforating coaction, the holes in the sheet being formed by the operation of puncturing the material by the teeth of the wheel. The improved stylus forming the subject-matter of this application is not adapted for this puncturing or perforating operation, but for such a coaction with the stencil-sheet as will nevertheless result in opening a passage therethrough for ink without perforating. In stencil-sheets made of open, porous material, such as yoshino, coated with soft wax, as well as in stencil-sheets of the character now on the market under the name "Dermatype", the stencil is formed without perforating or puncturing, but by reason of the loose, porous character of the paper base employed there is danger of "picking up" the fibers of which such base is composed. Under my invention, this difficulty is wholly obviated.

The invention is illustrated in the accompanying drawing, in which the two figures are side and plain views, respectively, of a stylus involving such invention.

As there shown, such stylus comprises a handle A, in which is inserted one end of a stub *a*, the other end of which carries a wheel B journaled to said stub by means of a pin *b*.

As best shown in Fig. 1, the stub *a* is cut

away on one side, so that the operative edge of the wheel B is practically in the longitude, that is, in the axial plane, of said stub and the handle in which the stub is mounted. As also best shown in said figure, that side of the wheel B next to the stub *a* is substantially flat, while the other side is beveled inwardly, terminating in a point *b'*. The operative edge of the wheel is as will be seen, smooth and continuously curved and unbroken. The object of the point *b'* is to aid in positioning the stylus when it is desired to rule lines starting at a certain place upon the sheet. If, for example, it be desired to rule lines running from a vertical marginal line, the stylus may be properly positioned by holding it so that the point *b'* will directly overlie the marginal line, at which time the effective surface of the edge of the wheel B will be in engagement with the stencil-sheet at the desired place.

As will be readily understood, the formation of a line (for example) upon the stencil-sheet is accomplished without puncturing or perforating such sheet. The opening in the sheet is made solely by reason of the pressure upon the (continuously curved) edge of the wheel B. The stylus, therefore, the operation of using it, and the result of such operation, differ essentially from the stylus, operation and result characterizing the former practice as hereinabove referred to.

Having now described my invention, what I claim as new therein and desire to secure by Letters Patent is as follows:—

1. A stylus for operating upon stencil-sheets comprising a handle, a stub mounted therein, cut away at one side, a pivot pin carried by said stub and a wheel mounted on said pin, having a flat side terminating in a thin, continuously curved and unbroken cutting edge, said side being mounted against the cut-away portion of said stub, and said edge being in the axial plane of said handle, the other side of said wheel being beveled inwardly, and provided with an indicating projection extending axially of the wheel substantially as set forth.

2. A stylus for operating upon stencil-sheets comprising a handle, a stub mounted therein, cut away at one side, a pivot pin

carried by said stub and a wheel mounted
on said pin, having a flat side terminating
in a thin, continuously curved and unbroken
cutting edge, said side being mounted
5 against the cut-away portion of said stub,
the other side of said wheel being provided
with an indicating projection extending axi-
ally of the wheel, substantially as set forth.

This specification signed and witnessed
this 27th day of April, 1914.

ALBERT B. DICK.

Witnesses:

W. A. WATERBURY,
W. G. ARNOLD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."