June 24, 1924. 1,498,994

I. BORSUK ET AL

CLIP FOR DRAWING INSTRUMENTS

Filed April 11, 1921

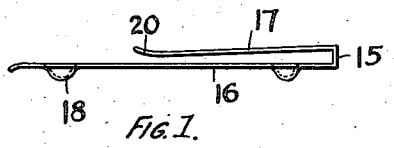


FIG. 1.

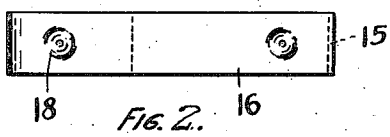


FIG. 2.

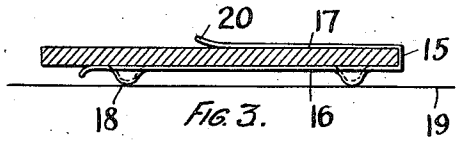


FIG. 3.

INVENTORS
Irwin Borsuk
Erik V. Meyer
BY
Harry Jacobson
ATTORNEY

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UNITED STATES PATENT OFFICE.

IRWIN BORSUK, OF NEW YORK, AND ERIK V. MEYER, OF NEW ROCHELLE, NEW YORK.

CLIP FOR DRAWING INSTRUMENTS.

Application filed April 11, 1921. Serial No. 460,391.

To all whom it may concern:

Be it known that we, IRWIN BORSUK, a citizen of the United States, and a resident of the city of New York, county of Kings, and State of New York, and ERIK V. MEYER, a subject of the King of Denmark, and a resident of New Rochelle, county of Westchester, State of New York, have invented certain new and useful Improvements in Clips for Drawing Instruments, of which the following is a specification.

This invention relates to clips for drawing instruments, and is especially applicable to those which are used for drawing lines or which are adapted ordinarily to lie flat on a drawing surface.

Much time is ordinarily lost by draftsmen during the operation of inking a drawing, while waiting for inked lines to dry, and work is frequently spoiled when a drawing instrument such as a T square, triangle, straight-edge or curve is inadvertently moved across an inked line which has not thoroughly dried, so that ink is smeared over the drawing. The instruments mentioned have the tendency also, when moved about, to transfer any dirt or dust on the under face thereof, to the drawing.

It is one of the objects of this invention to provide cheap and efficient means for minimizing the danger of smearing wet inked lines while other lines of a drawing are being inked in, and for largely eliminating the danger of dirtying the surface of the drawing.

A further object of this invention is the provision of means for spacing the under surface of a drawing instrument from the drawing surface without detracting from the efficacy of said instrument.

A still further object of this invention is the provision of means extending from the under surface of a flat drawing instrument and designed to have a minimum area for contact with the drawing surface, whereby the greater part of the instrument is kept clear of the drawing surface, and the entire instrument is readily moved about and easily handled.

The invention accordingly consists of the features of construction, combinations of elements and arrangement of parts which will be exemplified in the construction hereinafter described and of which the scope of invention will be indicated in the following claim.

In the accompanying drawings in which is shown an illustrative embodiment of our invention,

Fig. 1 is a front view of our invention.
Fig. 2 is a bottom plan view of the same.
Fig. 3 is a front view of our device as it appears when attached to a flat drawing instrument.

To raise the usual flat drawing tool such as a T square, triangle, straight-edge, curve or the like, above the drawing surface, as is preferably done in a tool of our improved type, we provide the spring clip 15, having the lower portion 16 and the upper portion 17 cooperating therewith, the extremity 20 of said portion 17 being preferably upturned to allow the ready insertion of a tool into said clip.

Bosses as 18, are formed in the portion 16 and serve to maintain the under surface of said clip above the drawing surface. Said clip 15 is adapted to be slipped over a tool, the number of such clips used depending on the size of the tool to which they are attached, a sufficient number being used to maintain the tool flat and to prevent undue bending thereof between the supporting bosses.

It will be seen that the bosses and knobs 18 when in use, contact with the drawing surface 19 along a comparatively small area, whereby, while the efficiency of the tool is not lessened, the said tool is easily moved about without the danger of streaking inked lines or of transferring dirt from the tool to the drawing, and lines may be inked over and across other wet inked lines.

It will also be seen that there is provided means by which the several objects of this invention are achieved and which are well adapted to meet the conditions of practical use.

We claim:

In combination with a drawing instrument, having a flat under surface, a detachable spring clip of a single strip of sheet metal of the same width throughout comprising a flat rectangular lower member of the same width throughout, a substantially spherical boss of less diameter than the width of said lower member, adapted to contact with a drawing surface over a negligible area, and pressed outwardly from and integral with said lower member, an upper rectangular spring member of the same width throughout as said lower member, an

upturned extremity on said spring member, a downwardly convex portion between said extremity and the remainder of said upper member, and an upright portion bent substantially at right angles to said upper and lower members, adapted to allow said instrument to be readily inserted between said upper and lower members for slightly spreading said members, of the same width throughout as said upper and lower members and of substantially the same length as the thickness of said drawing instrument.

Signed at New York, in the county and State of New York, this 9th day of April, 1921.

IRWIN BORSUK.
ERIK V. MEYER.