

J. PERKINS.
MARKING IMPLEMENT.

No. 179,341.

Patented June 27, 1876.

Fig. 1

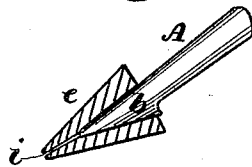


Fig. 2.

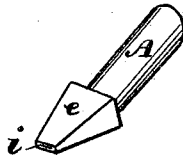
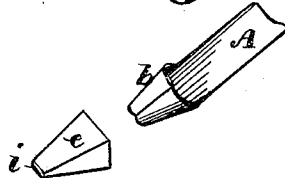


Fig. 3



Witnesses

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN MARKING-IMPLEMENTS.

Specification forming part of Letters Patent No. **179,341**, dated June 27, 1876; application filed April 15, 1876.

To all whom it may concern:

Be it known that I, JOSEPH PERKINS, of San Francisco city and county, State of California, have invented an Improved Marking-Implement; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

My invention relates to an improved implement or pen for marking heavy and light lines, such as are usually formed with a broad marking pen or brush and a colored liquid.

My improved marking-implement is especially adapted for writing or printing, by hand, directions upon packages and boxes, and for marking figures, characters, or sketches which are composed of alternate heavy, light, and shaded lines.

Referring to the accompanying drawing, Figure 1 is a sectional view of the point fixed upon the holder. Fig. 2 is a perspective view of the device. Fig. 3 shows the point separated from the holder.

Let *A* represent a metallic or other semi-tube, which is similar in form to the body of an ordinary nib-pen, and which will fit in any ordinary pen-holder in the manner of a writing-pen. The point of this semi-tube I form into a flat oval tube, *b*, which is conical or wedge-shaped in form, and which forms a reservoir for the writing or marking fluid. I then secure upon this tapering tubular point or reservoir an india-rubber or other flexible or yielding marking point or tip, *e*, which is also wedge-shaped in form. This wedge-shaped elastic marking-point has a recess made in its base or larger end, into which the tubular point will fit, so as to form a cone, and a slit, *i*, connects the bottom of the recess in the cone with the broad point of the tip.

It will be noticed that the slit is as wide as the point, although I do not confine myself to any precise width of slit, but by making it

extend across the full length of the point I am able to make a clear and distinct mark as wide as the point of the tip. This slit serves to feed the ink from the reservoir to the point of the tip.

The material of which the tip is made being elastic, the slit will remain firmly closed when no pressure is applied to its point, and the ink will be retained in the reservoir; but when pressure is applied to the point, the slit will be sufficiently opened to discharge a uniform quantity of the fluid upon the surface over which it is passed.

This pen or implement can be used for all the various purposes for which a brush or marking-pen is ordinarily used. It can be made to make light, heavy, and shaded strokes with excellent effect, and containing as it does a reservoir of the marking-fluid, it does not require frequent replenishing.

The elastic writing-tip could be made in two or even a larger number of pieces, and the pieces secured upon the body *A* in such a manner as to provide an ink-duct leading from the reservoir to the point. These variations, however, would only be employed when their use would render the point cheaper or easier manufactured.

The tip could also be applied to an ordinary holder without the conical or wedge-shaped tube *b*; but as long as the ink-duct leading through its center or interior is used to convey the ink to its point, the manner of adapting it is immaterial.

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

The elastic wedge-shaped marking or writing tip *e*, formed of one or more pieces, and provided with an ink-duct through its interior, substantially as and for the purpose described.

JOSEPH PERKINS.

Witnesses:

GEO. H. STRONG,
JNO. L. BOONE.