

(No Model.)

G. W. MILLER.

KNIFE ERASER.

No. 303,308.

Patented Aug. 12, 1884.

Fig. 1

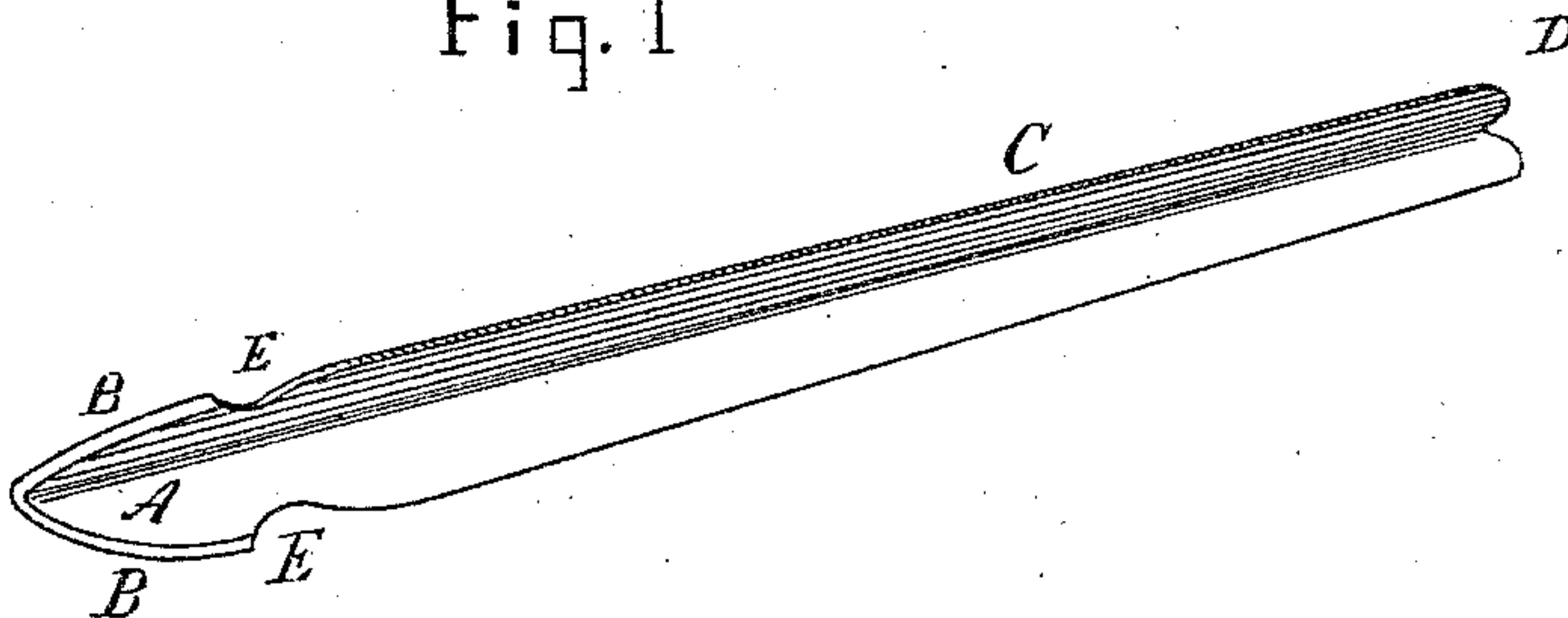


Fig. 2

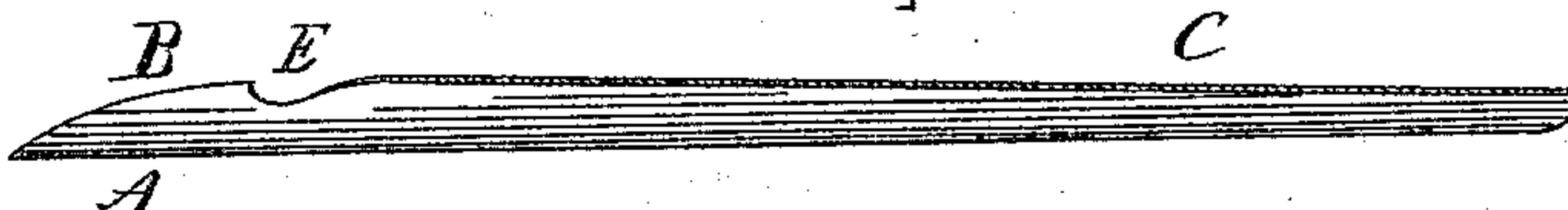


Fig. 3



Fig. 4



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## KNIFE-ERASER.

SPECIFICATION forming part of Letters Patent No. 303,308, dated August 12, 1884.

Application filed February 23, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, GEO. W. MILLER, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Ink-Erasers; and I do declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in knife-erasers, the object being to produce an instrument which shall combine simplicity and cheapness of construction with durability and efficiency in use, and which shall be adapted to be used for advertising purposes.

With these ends in view my invention consists in a knife-eraser in which the knife and handle are made from a single piece of metal, the former having the form of an arrow-head bent on a line extending from its apex to the center of its base.

My invention further consists in certain details of construction, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of a knife-eraser embodying my invention. Fig. 2 is a view thereof in side elevation; and Figs. 3 and 4 are respectively views in transverse section through the base of the knife and through the handle.

My improved eraser is preferably made of sheet metal of uniform thickness, from which it is blanked out and struck up, either in separate or simultaneous operations, into the required shape.

The knife A of the instrument consists of a blade having the shape of an arrow-head bent on a line extending from its apex to the center of its base. Its cutting-edges B, which converge from its base to its point in curved lines, are ground to the same bevel, which they will retain as long as the knife lasts, inasmuch as they serve as guides or gages for each other while being sharpened, and consequently wear away uniformly and in the same ratio. In virtue of this construction time is not only saved in sharpening the knife, but also keen edges are invariably secured, for the reason that the bearing afforded by their simultaneous contact with the sharpening-surface prevents them from being rocked from side to side and having their edges rounded.

The handle C of the instrument is tapering

in general contour, and bent longitudinally on a line coinciding with the line on which the knife is bent, and substantially to the same degree of deflection.

The object of shaping the handle as described is to impart to it the required stiffness, and to make it more convenient to grasp and manipulate; and for this latter purpose, and also for the ornamental effect procured, the edges of the handle are milled, as at D, as shown.

To make the instrument still more easy of handling, it is cut away, as at E, where the knife and handle join, and where it is generally grasped. These indentures also relieve the outline of the instrument and improve its appearance.

As a means of advertising, both the outer and inner faces of the handle, but preferably the latter, may be utilized for the display of characters or lettering applied by stamping or etching.

The instrument is finished by hardening the knife and finishing the whole surface by burnishing or plating.

It is evident that the instrument may be varied somewhat in form and construction, and I would therefore have it understood that I do not limit myself to the exact construction shown and described, but hold myself at liberty to make such alterations as fairly fall within the spirit and scope of my invention.

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

1. A knife-eraser in which the knife and handle are made from a single piece of metal, the former having the form of an arrow-head bent on a line extending from its apex to the center of its base, substantially as set forth.

2. A knife-eraser in which the knife and handle are made from a single piece of metal, the former having the shape of an arrow-head bent from its apex to the center of its base, and the latter being bent longitudinally and having its edges milled, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

GEORGE W. MILLER.

Witnesses:

DWIGHT SANFORD,  
WM. HYLAND.