

I. Weissenborn,

Pencil Attachment.

No. 95,861.

Patented Oct. 12, 1869.

Fig. 1.

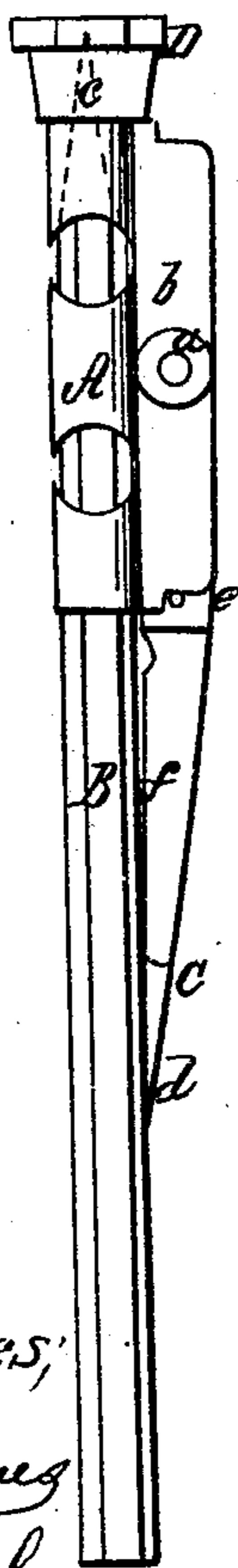


Fig. 2.

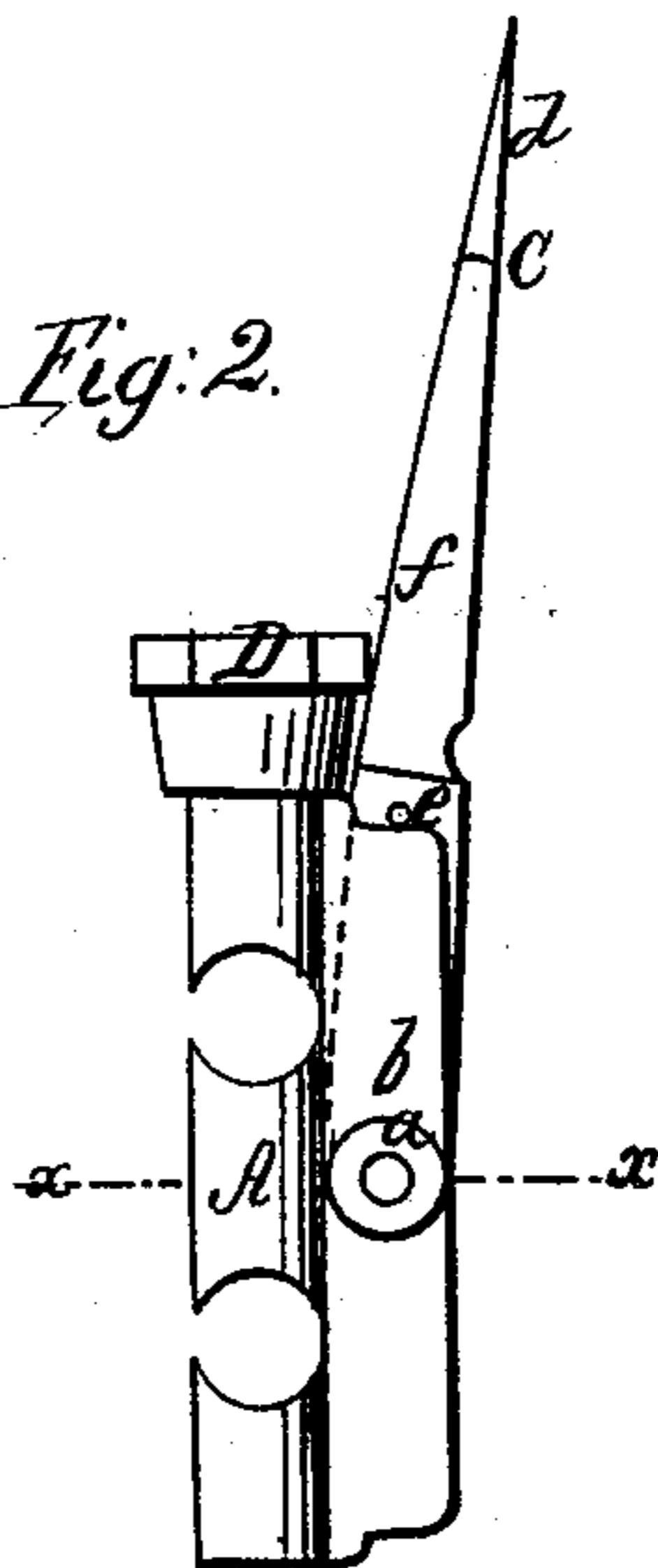


Fig. 4.

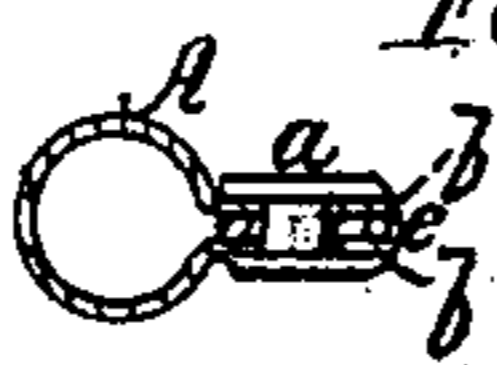


Fig. 5.

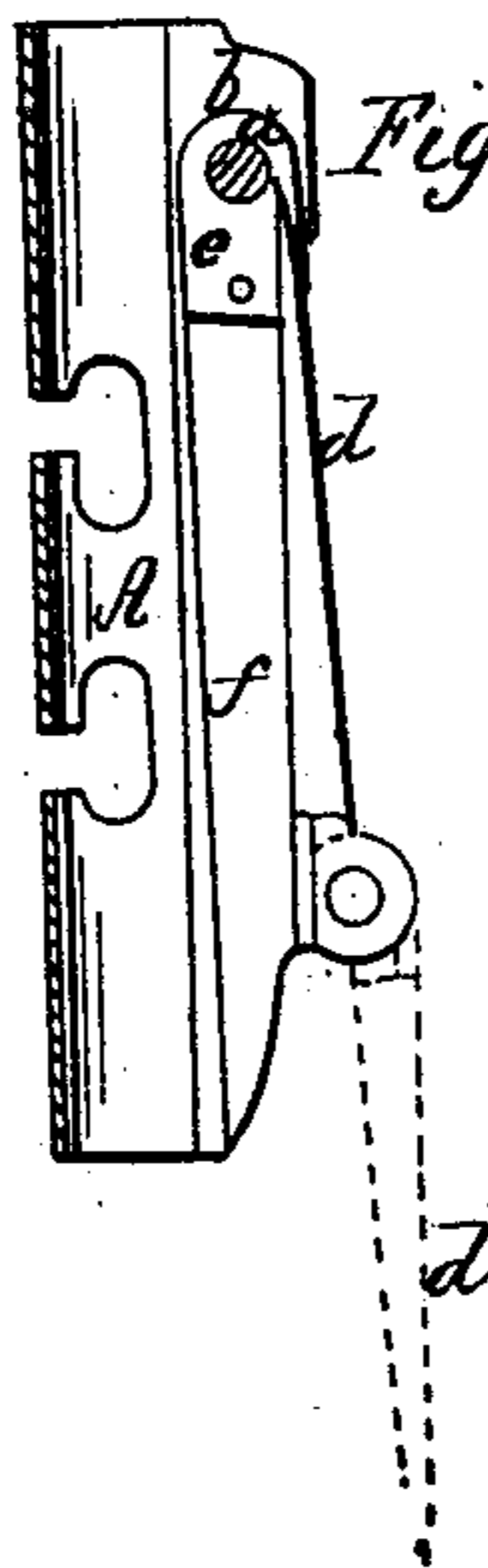
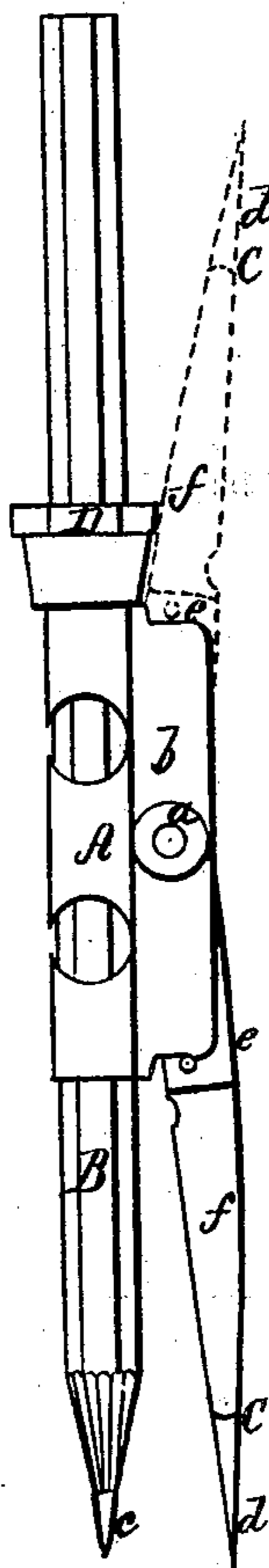


Fig. 3.



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EDWARD WEISSENBORN, OF HUDSON CITY, NEW JERSEY.*

Letters Patent No. 95,861, dated October 12, 1869.

PENCIL-ATTACHMENT.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, EDWARD WEISSENBORN, of Hudson City, in the county of Hudson, and State of New Jersey, have invented a new and useful Pencil-Attachment, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 represents a longitudinal view of my improved pencil-attachment, in illustration of its application as a point-protector to the pencil;

Figure 2, a similar view of the same detached from the pencil, and when used as a knife;

Figure 3, a like view of the attachment when used as a compass-leg in connection with the pencil; and

Figure 4, a transverse section through the line $x x$ in fig. 2.

Figure 5 represents a longitudinal sectional view of a modified construction of the attachment.

Similar letters of reference indicate corresponding parts.

My invention relates to a pencil-attachment for use by draughtsmen and others; and

It consists—

First, in a compass-leg, pivoted or jointed to a pencil-clasping stock, through which an ordinary lead-pencil is projected, and made capable of sliding, and so that said pencil, which forms the other leg of the compass, serves as the handle to the latter, while the attached leg, which constitutes the stationary or centring one, is preferably made capable of being thrown up against the pencil or out of the way when the latter alone is required to be used.

Also, in the construction of the compass-leg, so as to form a knife-blade, and in the threefold combination of a compass-leg, a knife-blade, and a pencil-point protector.

Referring to the accompanying drawing—

A represents a sheet-metal clasp or stock, constructed so as to be capable of being slid on and over an ordinary writing or drawing-pencil, B, and so that the pencil, when projected through it, is held therein from too easily slipping, but not so that it cannot be adjusted to any required projection through the same.

Pivoted or jointed to this pencil-clasp, on one side of it, as by a screw or rivet, a , passing through lateral extensions, $b b$, is a compass-leg, C, which is so connected with the pencil-clasp as that it may be turned down to form the centring leg of a compass, while the pencil B, which also serves as the handle of the compass, constitutes the other and scribing-leg thereof, and may, by the jointed attachment of the leg C to the clasp and sliding fit of the pencil through the lat-

ter, be adjusted as desired, relatively to the leg C, accordingly as quick or slow curvatures are required to be struck.

Or the compass-leg C may be reversed or turned up, relatively to the point c of the pencil, as shown by red lines in fig. 3.

This compass-leg C, I prefer to invest with a double function or use, by constructing a portion of its body, between its rounded point or forward end, d , and back portion, e , to form a knife-blade, f , which may be used for sharpening the pencil, by slipping it or the clasp carrying it off the latter, and opening or turning it back, as represented in fig. 2.

The pencil-clasp or stock A is provided at its back or upper end with a hollow rubber cap, D, within which the pencil, by reversing its position through the clasp, may be adjusted to protect its point, as represented in fig. 1.

In this way, the compass-leg attachment, by or through its rubber cap, is made to prevent injury to the point of the pencil, when carrying the latter in the pocket or otherwise, and the compass-leg being shut in toward the pencil, with the cutting-edge of the knife innermost, presents no objectionable or dangerous protrusion.

The hollow rubber cap may also be used for erasing purposes.

A pencil-attachment thus constructed, forms a cheap and most useful appendage, which may be put on or taken off from a pencil of ordinary description, and combines the three features of a bow or scribing-compass, a knife, and a pencil-point protector.

In some cases, the compass-leg point or forward portion d may be hinged to the body of the leg or knife-portion f , to admit of its being turned up and closed under a suitable hook or catch-formation, for protection of the person or clothes when carrying the pencil with its attachment in the pocket, and so that said point may be turned down or opened when using the attachment in connection with the pencil.

This modified construction of the attachment under the two adjustments of the compass-leg point is shown by black and red lines in fig. 5 of the drawing.

In some cases, too, the compass-leg or point d may be omitted from the pencil-attachment, and the pencil-clasp or stock A, with or without the hollow rubber cap D, have simply the knife-blade f hinged to it, as described, for convenience of carriage in the pocket, while the clasp or stock A may, by suitably sliding or adjusting the pencil, serve as a protector to the latter or its point.

What I claim, and desire to secure by Letters Patent, is—

*Assigned to Anne Maria Weissenborn of New York City.

1. A pencil-clasp or stock, with compass-leg jointed thereto, for use, in connection with a pencil, as the scribing-leg and handle of the compass, substantially as specified.

2. The compass-leg C, constructed to form a knife-blade, *f*, and jointed to the pencil-clasp or stock A, essentially as described.

3. A pencil-attachment, constructed to combine the

threefold purposes or uses of a compass-leg, a knife, and a pencil-point protector, essentially as herein set forth.

EDW. WEISSENBORN.

Witnesses:

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