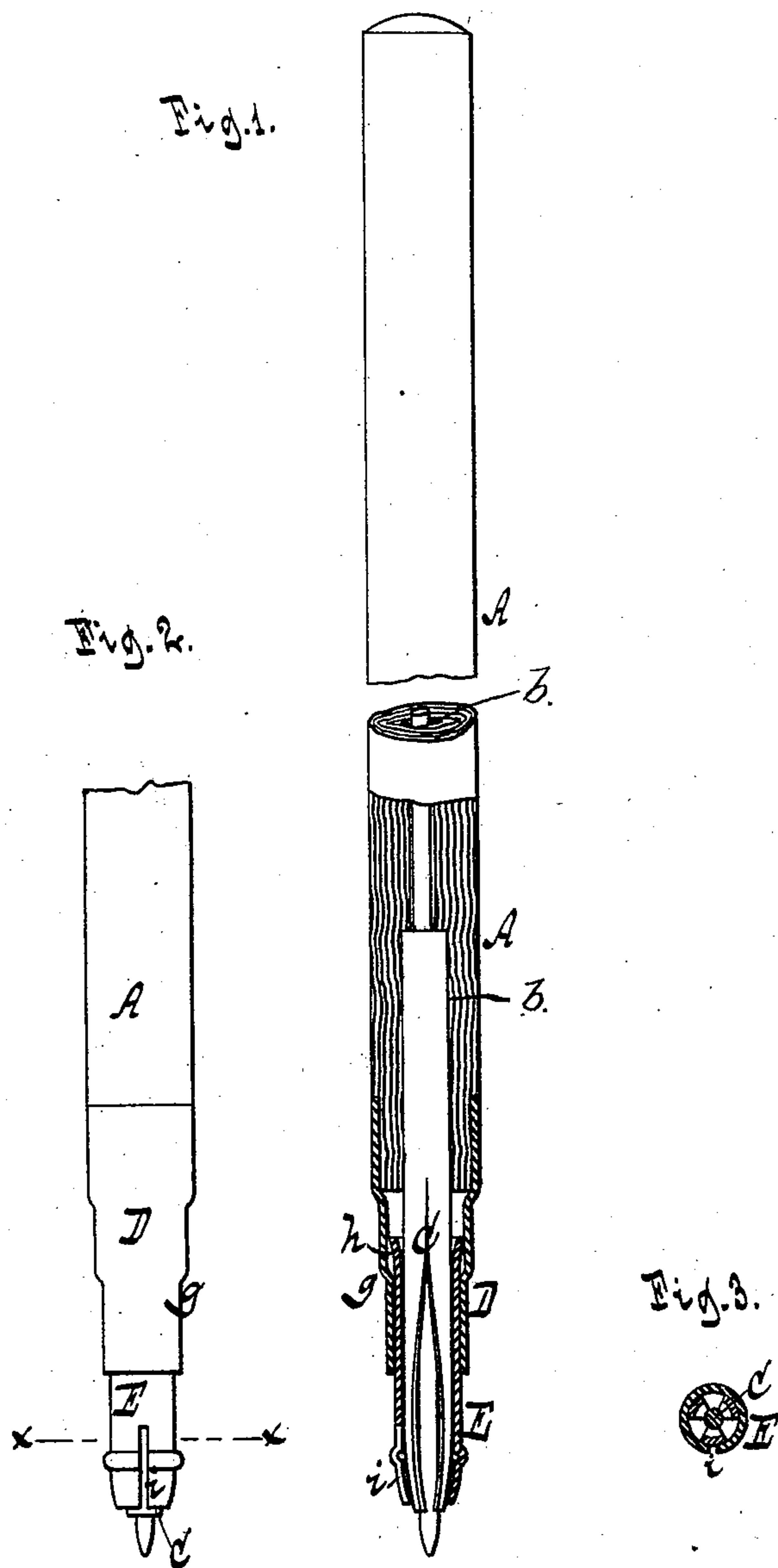


(No Model.)

J. E. FABER.
Lead Pencil.

No. 229,988.

Patented July 13, 1880.



Witnesses
Otto Stufeland
William Miller

Inventor
John Eberhard Faber.
by *Von Sauter & Haupp*
his attys

UNITED STATES PATENT OFFICE.

JOHN EBERHARD FABER, OF PORT RICHMOND, NEW YORK.

LEAD-PENCIL.

SPECIFICATION forming part of Letters Patent No. 229,988, dated July 13, 1880.

Application filed May 13, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN EBERHARD FABER, a citizen of the United States, residing at Port Richmond, in the county of Richmond and State of New York, have invented new and useful Improvements in Lead-Pencils, of which the following is a specification.

This invention relates to that class of pencils for which Letters Patent of the United States were granted to me October 14, 1879, No. 220,591; and it consists, essentially, in providing the clamping tube or cap with a slit extending inward from the outer contracted end thereof, for the purpose of rendering such tube capable of adapting itself to irregularities in the lead or in the jaws of the split tube.

This invention is illustrated in the accompanying drawings, in which—

Figure 1 shows a pencil, partly in side view and partly in section, embodying the same. Fig. 2 is a side view of the lower part of the article. Fig. 3 is a cross-section on the line x , Fig. 2.

Similar letters indicate corresponding parts.

The letter A designates the stock or handle of the pencil, having a bore, b , for the reception of a bar of lead; C, the split tube, the jaws of which grasp the lead, this tube being inserted into the lower end of the bore b in the handle, and D the ferrule in which works the clamping tube or cap marked E.

The ferrule D is attached to the lower end of the handle A so as to project therefrom a suitable distance, and the clamping-tube E is

contracted at its lower or outer end to compress the jaws of the split tube C when it is pushed inward, while the outward motion of the clamping-tube is regulated by a shoulder, g , in the ferrule co-operating with a flange, h , at the inner end of the clamping-tube.

In the clamping-tube E is a slit, i , which extends from the outer or lower end of such tube, where it is contracted, as before stated, in an inner direction, the terminus of the slit being within or beyond the point where the contraction of the tube merges into the straight portion thereof. It will be perceived that by this slit i the outer contracted end of the clamping-tube E is rendered elastic, and hence this tube readily adapts itself to any irregularities or inequalities that may occur in the lead used, or in the jaws of the split tube, and by its means the lead is held firmly.

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

A clamping-tube having a slit which extends from the outer contracted end of such tube inward, in combination with the split tube C, ferrule D, and handle A, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

JOHN EBERHARD FABER. [L. S.]

Witnesses:

J. HERMANN WAHLERS,
E. F. KASTENHUBER.