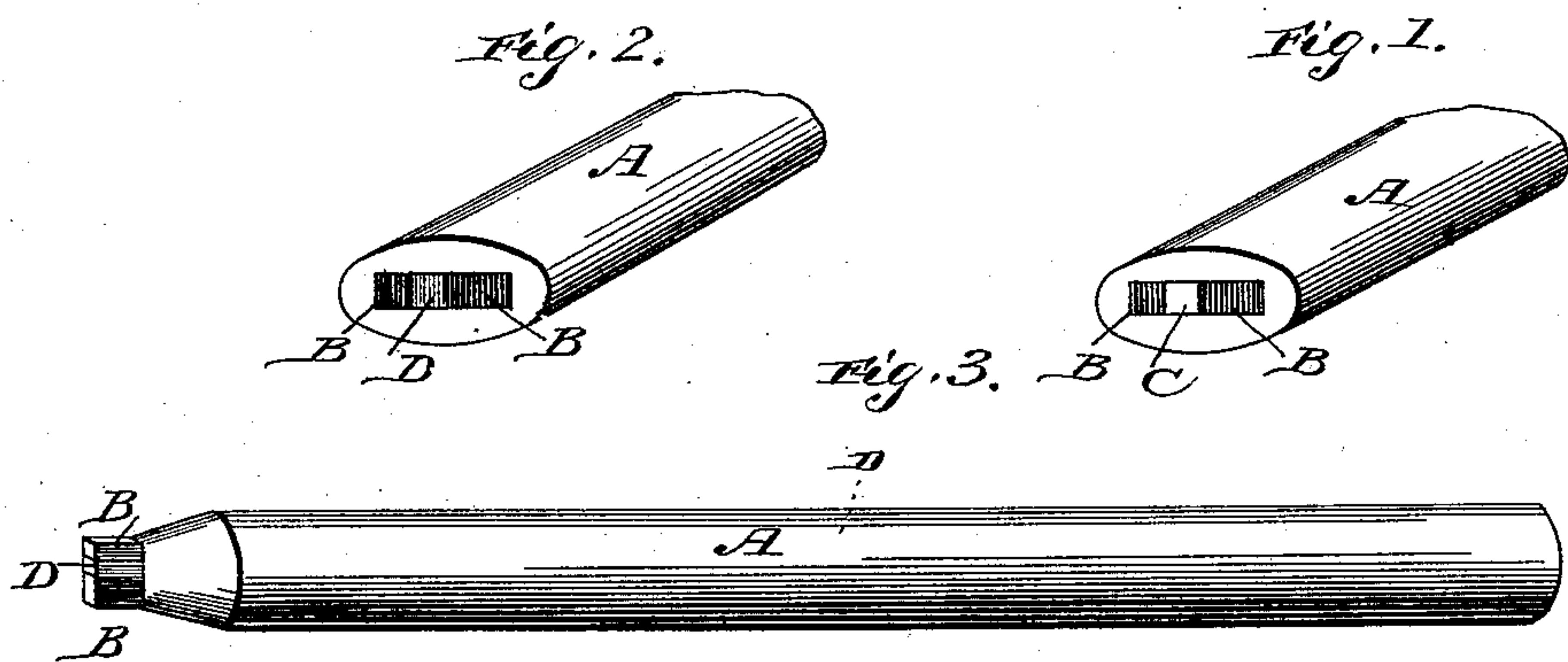


(No Model.)

H. R. FULLER.
LEAD OR CRAYON PENCIL.

No. 466,300.

Patented Dec. 29, 1891.



Witnesses:
Harry E. Hyatt
Burt W. Haulton

Inventor:
H. R. Fuller

UNITED STATES PATENT OFFICE.

HARVEY R. FULLER, OF BUTLER, INDIANA.

LEAD OR CRAYON PENCIL.

SPECIFICATION forming part of Letters Patent No. 466,300, dated December 29, 1891.

Application filed July 3, 1891. Serial No. 398,623. (No model.)

To all whom it may concern:

Be it known that I, HARVEY R. FULLER, of Butler, in the county of De Kalb and State of Indiana, have invented certain new and
5 useful Improvements in Shading Lead, Slate, and Crayon Pencils, of which the following is a full, clear, and exact description.

The object of my invention is to construct
10 pencils and crayons in such a manner as to shade the marks formed by the said pencils and crayons with same or different colors at a single stroke.

My invention consists of two or more parallel bars of marking material, which are of
15 different widths, the same or different colors, between which is a space or spaces; or in place of such space a solid bar of non-marking material may be employed, all inclosed in stock, so that a shaded mark can be made at one
20 stroke, consisting of one or more colors, as will be hereinafter set forth, reference being had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding
25 parts in all the figures.

Figure 1 is a view of the pencil or crayon, showing the space between the bars of marking material. Fig. 2 is a view of the same
30 with the space between the bars of marking material filled with a non-marking material. Fig. 3 is a perspective view of my-pencil or crayon, showing it ready for use.

In all the figures, A represents the stock, in which the bars of marking material are held.
35 B in all the figures represents the bars of marking material.

C in Fig. 1 represents a space between the bars of marking material.

D in Figs. 2 and 3 represents non-marking material between bars of marking material. 40 The bars are inserted in stock and secured by well-known means used in the manufacture of ordinary lead-pencils.

The pencils and crayons are adapted to various classes of work where shaded lines are
45 desired, especially in drafting, lettering, show or display cards, blackboard-lettering, slate-lettering, map-drawing, &c.

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

1. A shading pencil or crayon consisting of stock in which are inclosed bars of marking material of the same color and of different widths, between which is a space or bar of
55 non-marking material, whereby a shaded line of one color may be made at one stroke, substantially as set forth.

2. In a shading-pencil, two or more bars of marking material of different widths of any
60 desired colors, between which is a space or spaces or bars of non-marking material inclosed in the stock, whereby a shaded mark can be made at a single stroke, consisting of one or more colors, the shaded lines being of
65 different widths, substantially as set forth.

HARVEY R. FULLER.

Witnesses:

HARRY E. WYATT,
BURT D. DAULTON.