

(No Model.)

H. D. GREENWALD.
PENCIL.

No. 468,744.

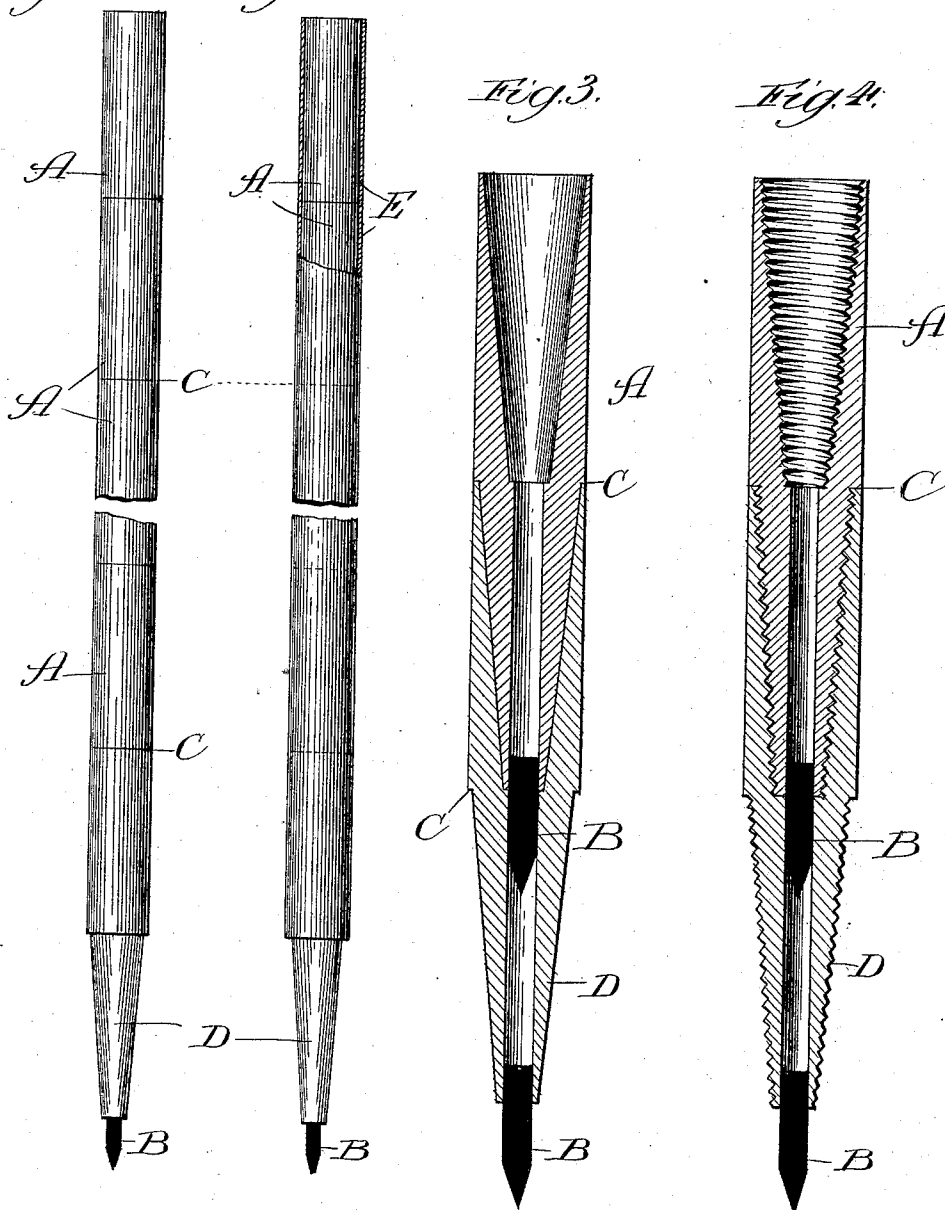
Patented Feb. 9, 1892.

Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.



Witnesses:

Carl E. Gaylord.
Clifford V. White.

Inventor.

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UNITED STATES PATENT OFFICE.

HERMAN D. GREENWALD, OF OSHKOSH, WISCONSIN, ASSIGNOR TO THE
SECTIONAL LEAD PENCIL COMPANY, OF CHICAGO, ILLINOIS.

PENCIL.

SPECIFICATION forming part of Letters Patent No. 468,744, dated February 9, 1892.

Application filed June 16, 1891. Serial No. 396,474. (No model.)

To all whom it may concern:

Be it known that I, HERMAN D. GREENWALD, a citizen of the United States, residing at Oshkosh, Winnebago county, Wisconsin, have invented certain new and useful Improvements in Pencils, of which the following is a specification.

The object of my invention is to make a lead-pencil in sections, each of which carries a point of lead and which are removably connected together, so that as the point becomes worn out the section containing it may be removed and a new point exposed; and my invention consists in the features and details of construction hereinafter described and claimed.

In the drawings, Figure 1 represents a plan view of my pencil. Fig. 2 shows the same provided with a cover partly broken away. Fig. 3 represents a longitudinal section, and Fig. 4 the same slightly modified.

In making my improved pencil I make it with a number of sections A, each provided with a point of lead B and hollowed out so as to receive the point of the next succeeding section. The sections are preferably provided with slight shoulders C, so that when they are being adjusted together in place each section which enters another will enter it only the desired distance.

In Fig. 3 I have shown the sections one slid into the other, while in Fig. 4 I have shown the portion of each section which enters the next one provided with screw-threads D, which enter a series of threads adapted to receive them in the hollowed end of the next section.

In Fig. 2 I have shown a cover E, which may be made of paper or otherwise, as desired, which conceals the section and which as a section is to be removed can be broken around at the juncture of the two sections where the separation is to be made.

Any desired number of sections may be used in making the pencil, and as they are successively removed as the lead wears out each section so removed may be applied to the other end of the pencil, so as to keep it the desired length.

In Figs. 3 and 4, which are enlarged views, considerable space appears between the point of lead. I prefer, however, to so arrange the sections as to have the lead in one reach almost to the lead in the next.

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

1. As a new article of manufacture, a pencil comprising a number of sections provided with points of lead and removably connected together, whereby as one point is consumed the section containing it may be removed, substantially as described.

2. As a new article of manufacture, a pencil comprising a number of sections hollowed at one end and provided with points of lead at the other and with the point of one section inserted into the hollowed end of the next, whereby as one point is consumed the section containing it may be removed and inserted in the opposite end of the pencil, substantially as described.

3. As a new article of manufacture, a pencil comprising a number of sections provided with points of lead and removably connected together, and a cover concealing the juncture of the sections, whereby as one point is consumed the section containing it may be removed by parting the cover at the juncture of the two, substantially as described.

HERMAN D. GREENWALD.

Witnesses:

THOMAS A. BANNING,
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