

(No Model.)

L. F. VON FABER.
HOLDER FOR LEADS, CRAYONS, &c.

No. 440,222.

Patented Nov. 11, 1890.

Fig. 1. Fig. 2. Fig. 3. Fig. 7.

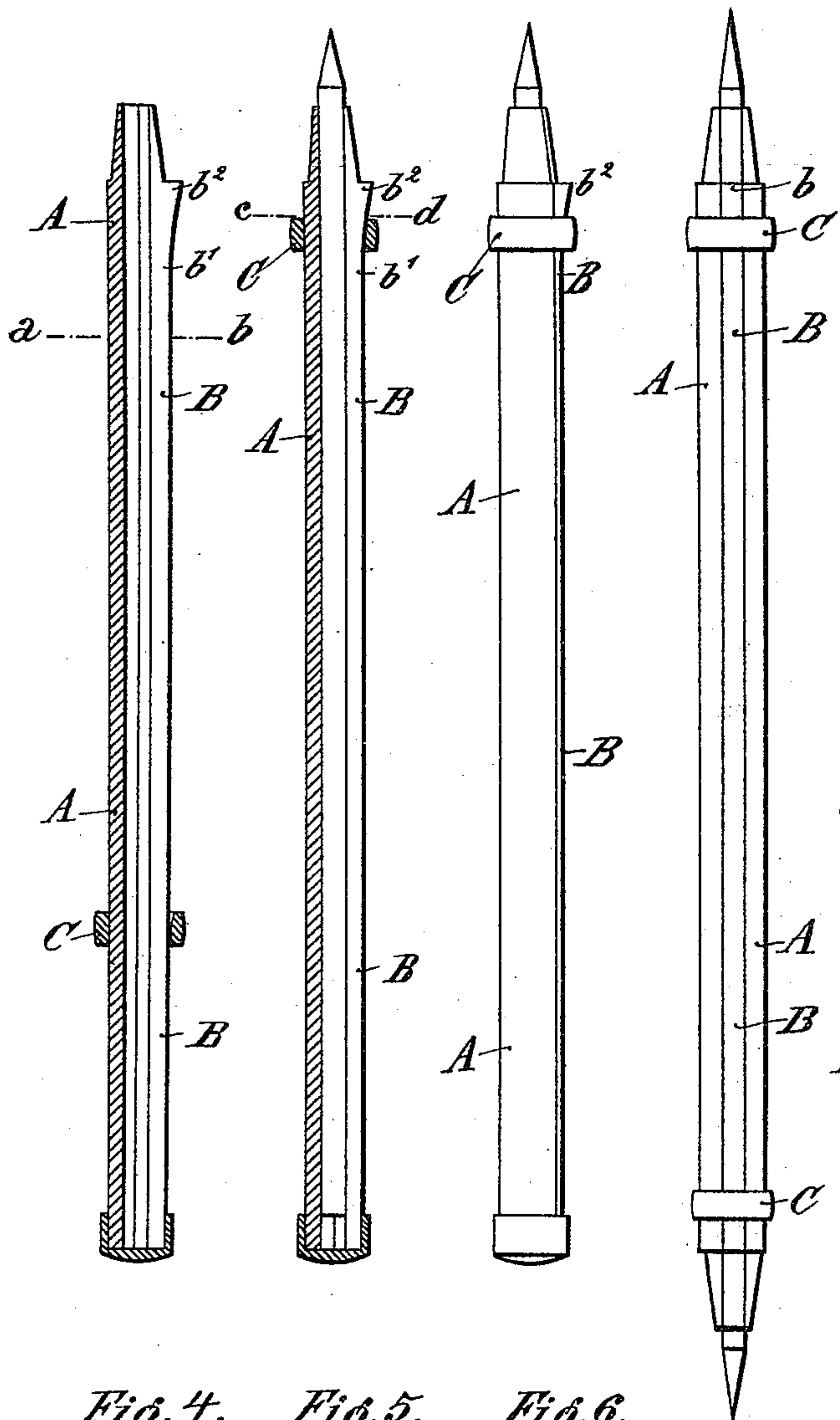
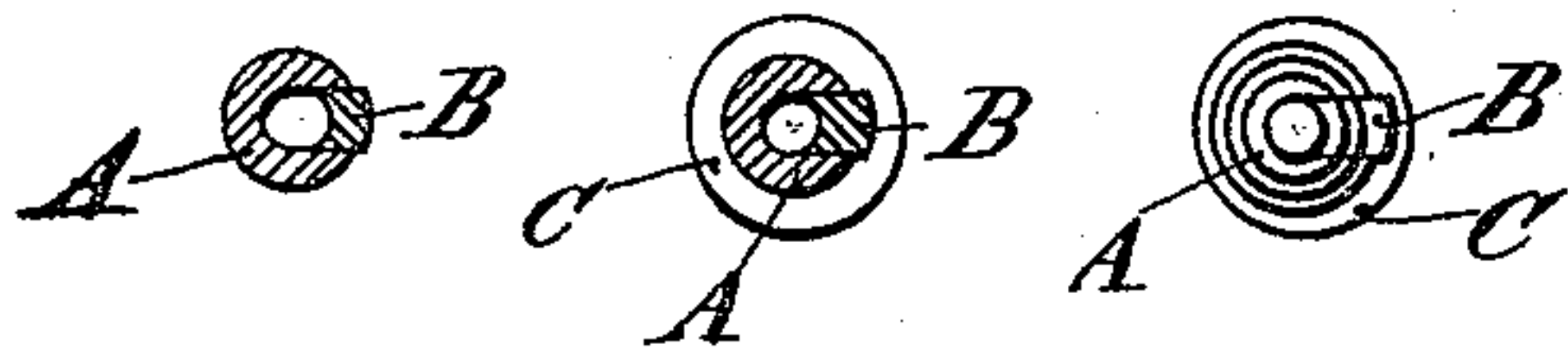


Fig. 4. Fig. 5. Fig. 6.



WITNESSES:

E. B. Bolton

E. L. Richards

INVENTOR:

Lothar Freiherr von Faber

By

P. Richards & Co.

his Attorneys.

UNITED STATES PATENT OFFICE.

LOTHAR FREIHERR VON FABER, OF STEIN, NEAR NUREMBERG, GERMANY.

HOLDER FOR LEADS, CRAYONS, &c.

SPECIFICATION forming part of Letters Patent No. 440,222, dated November 11, 1890.

Application filed January 29, 1890. Serial No. 338,464. (No model.)

To all whom it may concern:

Be it known that I, LOTHAR FREIHERR VON FABER, of the town of Stein, near Nuremberg, Bavaria, Germany, have invented certain new and useful Improvements in Holders for Leads, Crayons, &c., of which the following is a specification.

My invention relates to improvements in holders for leads, crayons, and the like, the object of the same being to so improve the construction of the said holders that the leads or crayons are not held or pinched at one point, but are held and supported in their entire length, and consequently perfectly protected.

Holders for leads or crayons have been in use for many decennaries; but all of such said holders have been constructed in manifold manner to attain the one object—namely, to securely clamp or pinch the lead or crayon at the upper end or tip of the holder. The consequence of the construction of the holders hitherto manufactured is that soft crayons, leads, and the like are pinched off. In fact it is difficult to prevent this occurring; but a still greater disadvantage than the pinching off of the tip of the lead or crayon is that the lead or crayon is held only at one point near the tip, while the remaining portion of the length of the same, or nearly the entire length, hangs loosely in the boring or tube of the holder, so that a blow or a fall will cause the lead or crayon to be broken into several pieces.

My improved holder is so constructed that the lead or crayon is not pinched or clamped in any one special part, but is securely held in its entire length as if the lead or crayon were glued into the holder, as is the case with ordinary pencils.

In the accompanying drawings, Figure 1 is a vertical section of the holder without lead and with the ring drawn down, and Fig. 2 a like section with lead in closed condition. Fig. 3 is an elevation of the holder. Figs. 4, 5, and 6 are horizontal sections of Figs. 1, 2, and 3 on the lines *a b*, *c d*, and *e f*. Fig. 7 represents a modification of the holder, as shown in Figs. 1 to 6, and Fig. 8 a pocket-pencil.

The holder represented in the accompanying drawings is made of wood, but can be made of metal, ebonite, vulcanite, or other appropriate material to like advantage. In-

stead of the long spring for compressing or holding the lead or crayon being made of wood and glued or otherwise attached to the cap of the holder, the spring, when made of metal, can be hinged to the cap of the holder and be held under spring-pressure,

The holder A, of wood or metal, is provided with a longitudinal groove *a*, in which a spring B is so arranged that the upper end—*id est*, the end toward the tip—springs outward, and thus leaves room between the holder A and the spring B for the lead or crayon. The upper end of the spring B is provided with a wedge-like extension *b' b²*, the thicker end *b²* being directed toward the tip of the holder.

C is a ring, preferably milled or ribbed, arranged around the holder A, and when this ring C is moved upward onto the projecting wedge-like surface *b' b²* the spring B will securely press the lead or crayon on its entire length onto the holder, so that the said lead or crayon is not pinched or clamped at any special point, but is uniformly held by a gentle pressure in its entire length.

When the ring C is withdrawn from the wedge-like surface *b' b²* of the spring B, the lead or crayon will be released from pressure. The lower end of the holder can be closed by a suitable cap in order to prevent the ring C from leaving the holder A. Instead of providing the spring B with a wedge-like surface the holder itself can be made of wedge-like or eccentric form at the forward or at both ends, in order to attain the object of securely holding the lead or crayon in its entire length without pinching or clamping the same at any one special point.

It will be evident from the foregoing that holders for leads, crayons, or the like constructed on my improved system can be made in all forms and sizes and of any appropriate material, according to desire, the main principle of the same being that the lead or crayon is held in its entire length, or approximately so, and is not sharply pinched or clamped at any one point.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, what I claim, and desire to secure by Letters Patent, is—

1. A holder for leads or crayons in which

the latter are not pinched or clamped at any one point, but are securely held in their entire length by means of a long pressure spring or rod which engages the lead or crayon from its inner to its outer end, substantially as and for the purpose set forth and shown.

2. The manufacture of holders for leads or crayons, in the longitudinal slot of which a spring separate from the holder is arranged which is provided at its one or at both ends with a wedge-like extension or projection or extensions or projections onto which a ring is pushed, thus depressing the said spring so that the lead or crayon is securely held in its entire length, substantially as and for the purposes set forth in the foregoing specification and shown in the accompanying drawings.

3. A holder for leads or crayons with a longitudinal slot, a spring or rod separate from the

holder, and a sliding ring for securely holding the lead or crayon, substantially as and for the purpose set forth in the foregoing specification and shown in the accompanying drawings.

4. In a lead or crayon holder, the combination of a main portion or case having a channel for the lead open on one side and a part B, separate from the holder, situated in said groove and adapted to engage the lead for its full length, substantially as set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

LOTHAR FREIHERR VON FABER.

Witnesses:

WM. J. BLACK,

WILLIAM R. MATTHES.