

J. L. FABER.
PENCIL.

No. 33,034.

Patented Aug. 13, 1861.

Fig. 1.

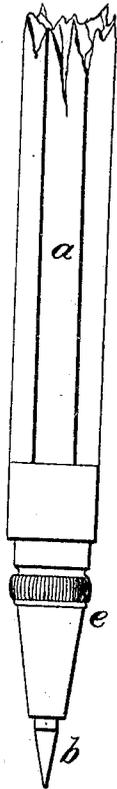


Fig. 2.

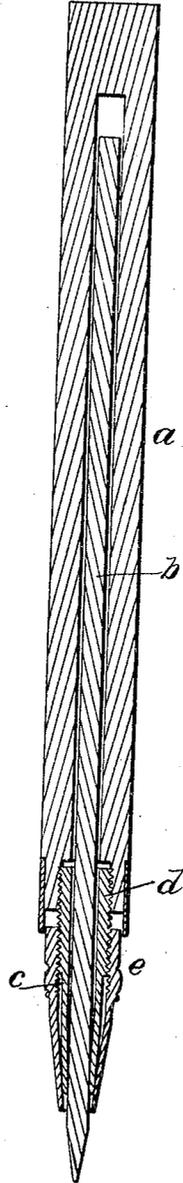


Fig. 3.



Witnesses:

Ch. Firtschy
A. Wagner

Inventor:

John Lothar Faber

UNITED STATES PATENT OFFICE.

JOHANN L. FABER, OF STEIN, BAVARIA.

PENCIL.

Specification of Letters Patent No. 33,034, dated August 13, 1861.

To all whom it may concern:

Be it known that I, JOHANN LOTHAR FABER, of the firm of A. W. Faber, in Stein, near Nuremberg, Bavaria, have invented a new and useful Improvement in Pencils; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1, is an outside view of the pencil holder, Fig. 2, a longitudinal section; and Fig. 3, another outside view with the clamping nut removed.

The same letters indicate like parts in all the figures.

In my said invention the plumbago or lead or other marking material is made in a long cylindrical rod like a wire which I term the pencil and which is received in the bore of a handle closed at the butt end and provided at the open end with a split tube, the bore of which is such as to receive the pencil freely, and threaded at the rear end to receive a cap nut, the bore of which, beyond the threaded portion, is slightly tapering to compress the split end of the tube and make it grip and hold the pencil.

In the accompanying drawing (*a*) represents the handle which I prefer to make of wood and of any of the usual forms of common pencils. This is bored nearly through its whole length to receive freely the pencil (*b*) whether of plumbago or other marking material, and made of a cylindrical form. To the open end of this handle is secured a metal tube (*c*) the rear portion (*d*) of which is made of greater diameter than the part (*e*) and threaded. The part (*e*) is slightly tapering or rounding on the outside at the extreme end, and for about one-half the length from the extreme end it is split into four (more or less) sections to form what is known as a clamping tube. To the outside of this tube is fitted a cap (*e*) the rear end of which is a threaded nut to fit the thread portion (*d*) of the clamp tube (*c*) and beyond the nut the bore is tapering to compress the split portion of the tube (*e*) to

make it grip and hold the pencil along any portion of its length.

The pencil is to be pointed, as represented, with a file, or any other suitable instrument, inserted through the split tube into the handle and the cap screwed on, the cap causing the split portions of the tube to grip the cylindrical portion of the pencil without the danger of breaking it, and as the point wears by simply unscrewing the cap to loosen the grip, the pencil can be advanced and re-gripped, and the advancing can be effected either by elevating the closed end of the handle, that the pencil may descend by gravity, or the pencil can be drawn out to the required distance by taking hold of the end. And when the pencil is not required to be used by slightly unscrewing the cap and holding the handle with the butt end down the pencil will drop in the handle and by screwing down the cap the split portion of the tube is so much closed as to confine the pencil point and all within the handle, so that it can be carried with safety to the pencil. By this means I avoid all the inconvenience of the common pencils such as gradually cutting away and shortening the handle, breaking the lead by cutting away the wood around the lead, also the waste of lead. And I also avoid many of the inconveniences due to the everpointed pencil such as crushing or weakening the lead by the action of the follower to force it forward through the tube, and the difficulty of obtaining leads to fit the tube so accurately as not to drop out and yet admit of forcing it through the tube.

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

The pencil handle with the bore adapted to receive and hold the cylindrical pencil, substantially as described in combination with the split tube, and screw clamping cap, substantially as, and for the purpose specified.

JOH. LOTHAR FABER.

Witnesses:

P. GEISSE,
F. PUR.