

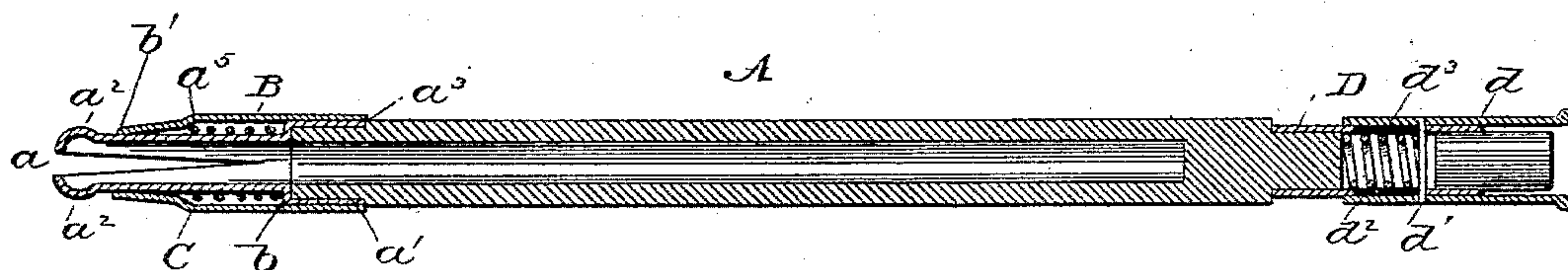
(No Model.)

L. B. MYERS.

PENCIL.

No. 384,383.

Patented June 12, 1888.



Witnesses:

W. H. Mortimer
R. M. Elliott

Inventor :

Lewis B. Myers,

A. S. Dyrenforth.
his Attorney.

UNITED STATES PATENT OFFICE.

LEWIS B. MYERS, OF FREMONT, OHIO.

PENCIL.

SPECIFICATION forming part of Letters Patent No. 384,383, dated June 12, 1888.

Application filed September 14, 1887. Serial No. 249,690. (No model.)

To all whom it may concern:

Be it known that I, LEWIS B. MYERS, a citizen of the United States, residing at Fremont, in the county of Sandusky and State of Ohio, have invented certain new and useful Improvements in Pencils; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to pencils.

The object is to produce a pencil which, while being constructed of a comparatively few number of parts, will at the same time be efficient and reliable in use and inexpensive to manufacture.

Heretofore in pencils it has been customary to make the clamping jaws and crayon-tube in one piece. In the present invention the clamping-jaw is separate and distinct from the crayon-tube, the handle of the pencil forming the receptacle for the lead or crayon and having the clamping-jaws attached thereto.

With these objects in view my invention consists in a tube or handle, to an end of which is attached a clamping-tube having one end formed into a sleeve designed to fit upon the tube or holder, the other end being slitted longitudinally in order to receive and clamp the lead or crayon placed therein.

Furthermore, the invention consists in a clamping-sleeve placed over the clamping-tube, the upper end of which is designed to fit and slide upon the shoulder formed by the sleeve of the clamping-tube, its lower end being contracted in order to close the slitted jaws.

Furthermore, the invention consists in a coiled spring fitted loosely on the slitted portion of the clamping-tube, said spring being designed to push the clamping-sleeve in the direction required to close the slitted jaws.

Furthermore, the invention consists in a tube attached to the handle on the end opposite that on which the crayon-holder is placed, one end of which is secured to the handle, the opposite end being left open for the reception of a rubber eraser.

Furthermore, the invention consists in a movable sleeve designed to fit and slide upon the tube.

Furthermore, the invention consists in a

coiled spring placed within this tube and designed to keep the sliding sleeve in position over the rubber; and, finally, the invention consists in various novel details of construction, hereinafter fully set forth.

In the accompanying drawing, forming part of this specification, and in which like letters of reference indicate corresponding parts, the figure is a vertical sectional view of my invention, showing at one end the clamping-tube, the coiled spring, and the clamping-sleeve, and at the other end the stationary tube, the sliding sleeve, and the coiled spring.

Referring to the drawing, A represents a tube or handle designed to contain lead, crayon, or rubber, and having at one end a clamping-tube, *a*, the upper end of which is formed into a sleeve, *a'*, designed to fit on the end of the holder, the lower end being slitted longitudinally to form the clamping-jaws *a''*, said jaws being constructed to clamp and hold firmly the lead or crayon placed between them.

A clamping-sleeve, B, is placed over the clamping-tube, is held in place by and takes its bearing on the shoulder *a'*, and is so arranged that it may slide longitudinally thereon, its forward movement being limited by the bulbs *a''*, formed on the ends of the clamping-jaws, and its rearward movement by the shoulder *b* of the clamping-sleeve.

In order that the clamping-sleeve may be pushed upon the clamping-tube and thus close the jaws upon the lead, crayon, or rubber, a coiled spring, C, is placed loosely upon the jaws and is held in position by the shoulders *a''* and *b*.

The sleeve B is tapered toward one end, *b'*, which surrounds the clamping-jaws, and closes them when the sleeve is pushed in the proper direction by coming in contact with the bulbs on the ends of these jaws, thus causing them to grasp and hold firmly the lead, crayon, or rubber placed in them.

Attached to the handle, at the end opposite that to which the clamping device is secured, is a tube, D, one end of which is left open for the reception of a rubber eraser. Fitting loosely over this tube is a sleeve, *d*, which is held in position against slipping off by the pin *d'*, which passes through the sleeve and is riveted on both sides.

Within the tube D is a coiled spring, d^2 , which serves to push the sleeve d out over the rubber, and thus protect it from becoming soiled. In order to accomplish this result, the tube D is provided on two sides with longitudinal slots d^3 , through which passes the pin d' , and against which the coiled spring rests. It will readily be seen that if the sleeve be pushed back the spring will be compressed by means of the pin, and that when the pressure is removed it will instantly resume the position requisite for the accomplishment of the object for which it is designed.

If desirable, the pin may be secured in the movable sleeve by means of slight inner countersinks, into which its ends are inserted, thus leaving the pin unexposed and presenting a neater and better finish on the outside.

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

1. The tube having the longitudinal slit extending for a suitable distance of its length, with a clamping-jaw fitting on the open end

and provided with an annular shoulder, in combination with a sleeve fitted on said clamping-jaw and having converging ends bearing thereon, and also provided with a shoulder and a coiled spring placed around the clamping-jaw and bearing against the shoulders of the clamping-jaw and sleeve, respectively, for the purpose set forth.

2. The combination, with the closed end of the pencil, of an open tube fitted thereon and provided with a slot, and a sliding sleeve fitted on said tube and provided with a pin working in said slot, which pin divides the stationary tube into two compartments to receive a spring and eraser, the spring bearing against the closed end of the pencil and the pin, for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

L. B. MYERS.

Witnesses:

L. O. MYERS,
JAMES H. FOWLER.