

J. V. H. NOTT.
LEAD PENCIL.
APPLICATION FILED JUNE 17, 1908.

918,359.

Patented Apr. 13, 1909.

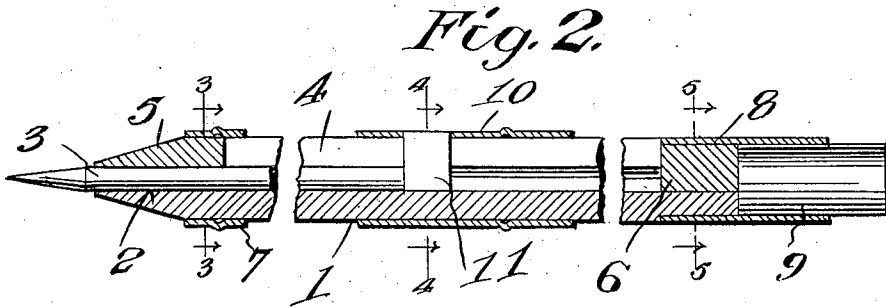
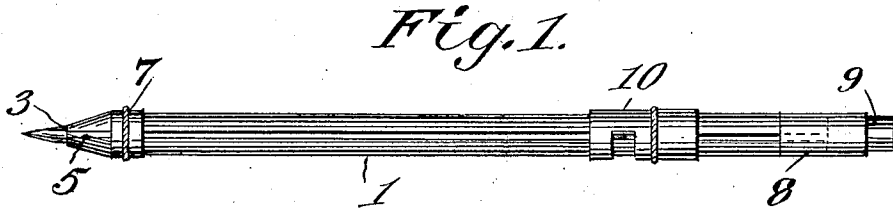
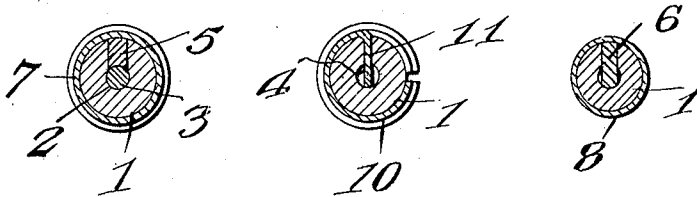


Fig. 3. *Fig. 4.* *Fig. 5.*



Witnesses: —

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UNITED STATES PATENT OFFICE.

JOHN V. H. NOTT, OF ALBANY, NEW YORK.

LEAD-PENCIL.

No. 918,359.

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To all whom it may concern:

Be it known that I, JOHN V. H. NOTT, a citizen of the United States, residing at Albany, in the county of Albany and State of New York, have invented new and useful Improvements in Lead-Pencils, of which the following is a specification.

This invention relates to improvements in lead pencils of that type employing a removably and longitudinally slidable lead, and the primary object of the invention being to construct an ordinary wooden pencil having a longitudinal bore and a longitudinal side slot communicating with the bore and extending the entire length of the pencil, the ends of the side slot being provided with filling blocks whereby the slot is retained in a normally opened position against the pressure of the hand of an operator for the free sliding of a feeder having a tongue operating within the side slot to contact the lead within the longitudinal bore of the pencil, thus providing an extremely simple, cheap and effective lead feeding pencil.

Another object of the invention is to provide a feeder for the pencil constructed of a band of resilient material, the band being slit longitudinally and one of the members being provided with spaced transverse slits and the portion of the feeder thus provided bent inwardly toward the center of the ring to provide a finger adapted to engage the longitudinal side slot of the pencil and to contact with the lead of the pencil within the bore, the split ring being adapted to contact the outer surface of the pencil and to frictionally engage the same so as to prevent accidental movement of the feeder.

With these and other objects in view the invention consists in the novel features of construction, combination and arrangement of parts, hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a pencil constructed in accordance with the present invention. Fig. 2 is an enlarged central longitudinal sectional view of the same, the pencil being broken away in parts. Fig. 3 is a sectional view upon the line 3—3 of Fig. 2. Fig. 4 is a similar view upon the line 4—4 of Fig. 2. Fig. 5 is a similar view upon the line 5—5 of Fig. 2.

In the accompanying drawings the numeral 1 designates the body of the pencil

comprising a casing constructed preferably of wood and tapering at its point or forward end in the usual manner. The casing is provided with a longitudinal bore or opening 2 for the reception of the lead 3, and is formed in its side with a longitudinal slot 4 extending radially inward and intersecting or communicating with the bore 2. The longitudinal slot 4 extends the entire length of the pencil, and is so constructed in order that the pencil may be produced at a low cost, as it is comparatively easy to construct a slot in this manner, while, should the slot extend only a certain distance adjacent each of the ends of the pencil the employment of special and complicated machinery would be necessitated. With the present construction the bore 2 and the slot 4 may be constructed by one operation of a single machine. The slot 4, however, extending the entire length of the pencil may be easily compressed so as to bring the walls of the pencil provided by the slot together while the pencil is in the grasp of an operator. This condition tends to close the slot and at the same time to weaken the sides of the pencil rendering the breakage thereof comparatively easy. To overcome these defects I have provided the ends of the pencil slot with filler blocks 5 and 6. These filler blocks 5 and 6 effectively retain the walls of the slot in a proper spaced relation with each other and provides an effective closure for the ends of the pencil. In order to effectively retain the filler blocks in position upon the pencil I employ metallic bands 7 and 8. The band 8 is adapted to extend a suitable distance beyond the end of the pencil upon which it is positioned and is provided with a suitable rubber or other erasing substance 9.

The pencil 1 is provided with a suitable feeder 10, by which the lead 3 may be moved longitudinally within the bore 2 through the end of the pencil point. This feeder 10 comprises a slit member constructed of suitable spring metal. One of the lips of the member adjacent its edge is provided with spaced slits extending transversely of this member a suitable distance and the portion of the metal thus provided is bent inwardly to form a tongue or finger 11. This finger 11 is adapted to be positioned within the longitudinal slot 4 and to contact with the end of the lead 3 within the bore 2 so as to move

the lead longitudinally through the end of the pencil when desired.

It is to be understood that the split feeder member 10, being constructed of spring metal, engages the sides of the pencil firmly so as to be effectively retained in placed position upon the pencil and to provide against accidental movement of the feeder or of the lead controlled by the feeder. It will be also seen that the metallic bands 7 and 8 form effective stops for limiting the longitudinal movement of the feeder upon the body of the pencil.

From the above description it will be seen that I have provided an extremely simple, cheap and effective pencil of the class set forth, and it is to be understood, that while I have illustrated and described the preferred embodiment of my invention as it now appears to me, minor details of construction, within the scope of the following claim, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus fully described the invention what is claimed as new is:

A lead pencil comprising a body portion having a longitudinal bore and a side slot of lesser width than the bore extending the entire length of the pencil and communicating with the bore, filler blocks for the slot adjacent the ends of the pencil, metallic bands upon the pencil reinforcing the filler blocks, a lead within the bore of the pencil, a lead feeder member for the pencil, said feeder member comprising a longitudinally slit band constructed of spring metal, the band having one of its edges provided with spaced transverse slits, and the portion of the band between the slits being bent inwardly and adapted to be positioned within the slot to engage the lead within the bore of the pencil.

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

JOHN V. H. NOTT.

Witnesses:

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