

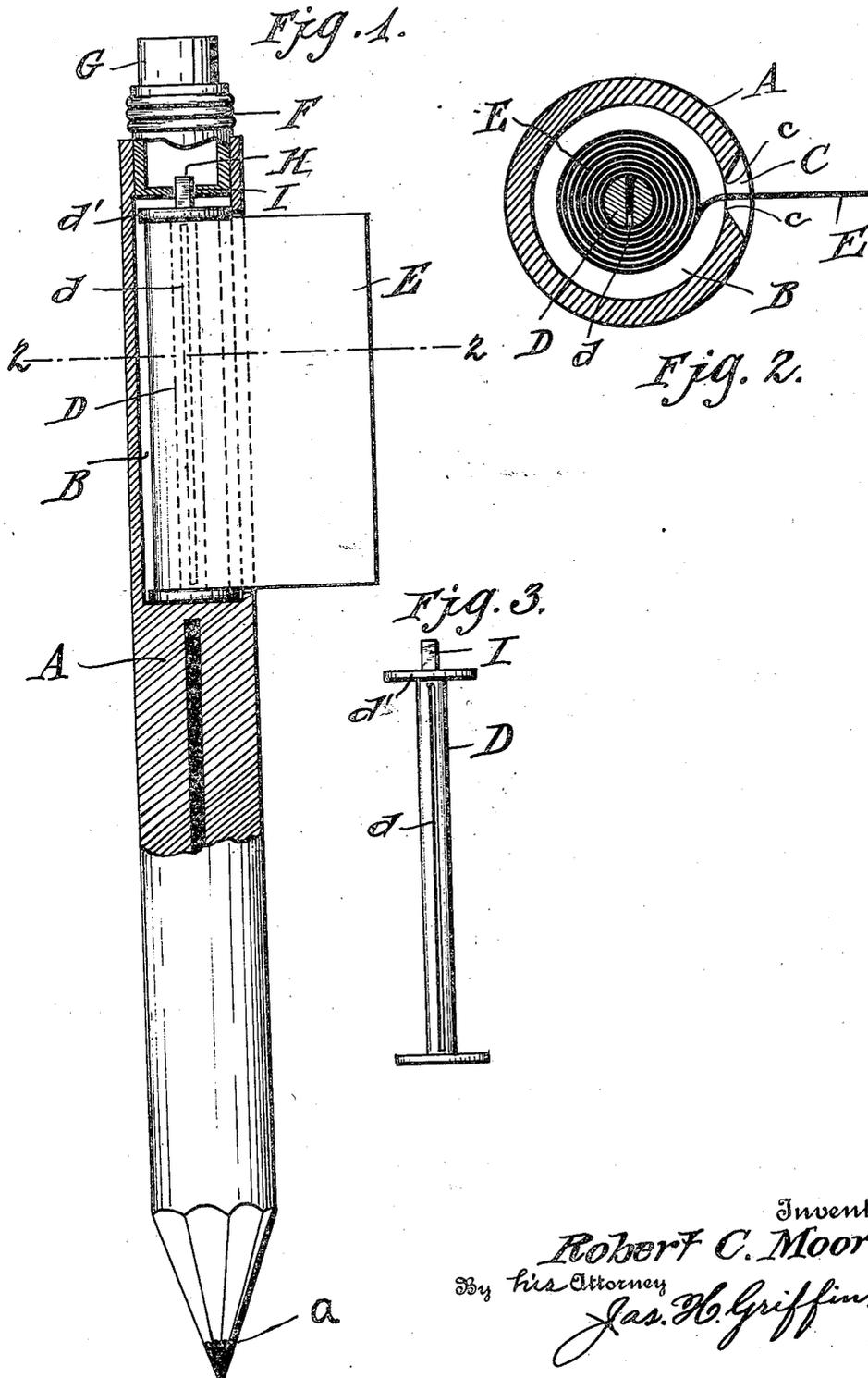
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PENCIL.

APPLICATION FILED MAY 26, 1917. RENEWED APR. 26, 1920.

Patented Nov. 23, 1920.

1,859,725.



Inventor  
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# UNITED STATES PATENT OFFICE.

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## PENCIL.

1,359,725.

Specification of Letters Patent. Patented Nov. 23, 1920.

Application filed May 26, 1917, Serial No. 171,078. Renewed April 26, 1920. Serial No. 376,831.

To all whom it may concern:

Be it known that I, ROBERT C. MOORE, a citizen of the United States, residing in the city of New York, borough of Manhattan, county of New York, and State of New York, have invented a certain new and useful Pencil, of which the following is a specification.

This invention relates to pencils and, more particularly, to a pencil provided with a magazine adapted to contain writing paper which may be dispensed from time to time for the purpose of providing note paper to be written upon by the pencil which normally carries the same.

Devices of this general character for other purposes have been heretofore suggested but, in practically every instance, the constructions have been impractical.

The object of the present invention is to provide a practical construction and one which will allow of the replenishing of the paper supply, from time to time, in a simple and efficient manner and will, in use, be readily operable to dispense the paper in the quantities desired, means being provided to allow of the neatly tearing of the paper free from the pencil in an expeditious manner.

Features of the invention, other than those specified, will be apparent from the following description, when read in conjunction with the accompanying drawings.

In the accompanying drawings I have illustrated different practical embodiments of the invention, but the constructions shown therein are to be understood as illustrative, only, and not as defining the limits of the invention.

Figure 1 is an elevation of a pencil embodying the present invention, portions of said pencil being shown in section in the interest of clearness.

Fig. 2 is an enlarged section in the plane of the line 2-2 of Fig. 1.

Fig. 3 is a side elevation of the preferred form of spool employed.

Referring to the drawings, A designates a pencil adapted to be sharpened at one end, as at *a*, in the usual manner and provided, at the other end, with a cored-out or hollowed portion forming an elongated, cylindrical chamber B. The open end of chamber B is adapted to be closed by a cy-

lindrical plug F in which may be mounted the usual eraser G. The plug F is proportioned to have a slidable and rotatable fit in the open end of the chamber B so as to frictionally engage the inner wall thereof with sufficient tightness to preclude inadvertent disengagement of said plug from the pencil.

Within the chamber B is adapted to be positioned a spool D, about which is coiled a web of paper E. Spool D may partake of various forms but is shown in detail in Fig. 3 as embodying a cylindrical core slotted as at *d* and provided at both ends with flanges *d'*. If desired, spool D may have flanges at one end only, although it is not essential that a flange be provided at either end.

The inner end of the plug F is provided with a polygonal opening I and the cooperating end of the spool D is formed with a correspondingly-shaped projection H so that when the spool is in the chamber B the insertion of the plug F into the open end of said chamber automatically causes the aperture I to embrace the projection H and form, in effect, a clutch, whereby the rotation of plug F will be transmitted to the spool D. The wall of the chamber B is provided with a slot C extending longitudinally of the pencil and substantially equal in length to the width of the paper roll upon the spool, and through this slot the paper on the spool is adapted to be passed. In order that this operation may be carried out, the inner end of the paper E is passed through the slit *d* in the spool for the purpose of securing the paper thereto, although, in lieu of this construction, the inner end of the paper may be glued or otherwise secured to the spool, as desired.

With the inner wall of the paper thus fixedly secured to the spool, it will appear that the rotation of the spool, through the medium of the plug F, will cause the paper E to be thrust through the slot C to the exterior of the pencil where it may be grasped by the operator, after having been projected to the desired extent, and torn off against the cutting edges *e* formed at the longitudinal edges of the slot C.

When all the paper on the spool D has been used in the manner described, the plug

F is withdrawn and the spool D removed from the chamber B and a new charge of paper positioned upon said spool.

5 It will be manifest from the foregoing description that the device of this invention is extremely simple in construction, cheap to manufacture and will operate with great efficiency. The arrangement is compact and a comparatively large amount of paper may  
10 be housed, at one time, within the pencil. The paper is positively forced through the slot C by the rotation of the plug F, the operator grasping said plug between the thumb and forefinger during the manipula-  
15 tion thereof.

In the foregoing description the invention has been set forth as contemplating the formation of the chamber B directly within the wooden pencil though, if desired, I  
20 may form this chamber within a metallic cap adapted to be slipped over the end of any pencil after the manner of the old and well known form of metallic eraser carrier. Moreover, the present invention may be  
25 adapted to fountain pens as will be readily understood, being incorporated therein either at the upper end of the ink containing chamber or within the cap of the pen.

The present invention has a wide range  
30 of utility but it is particularly adapted for army use, it being very convenient for officers, since it provides, in a unitary struc-

ture, means for producing written orders on the field, making small maps, and noting  
other data of importance. 35

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

In a device of the class described, an ordinary lead pencil chambered at one end  
40 to form a cylindrical chamber, a spool provided with flanges of substantially the same diameter as the interior of the chamber loosely mounted for rotation in said chamber, a roll of paper wound upon said spool  
45 with the inner end of the paper held in a slot in the spool to preclude the turning of the paper roll on the spool, a slot in the side wall of the chamber through which the paper may be fed, a straight edged knife  
50 cooperating with said slot for severing the paper fed therethrough, a plug frictionally fitted into the top of the cylindrical chamber for closing the same, and interfitting means  
55 formed on the plug and spool for locking them together, whereby manual rotation of the plug causes the paper to be fed through the slot and into exposed position wherein it may be torn off through the cooperation  
60 thereof with the knife of the slot.

In testimony whereof I have signed my name to this specification.

ROBERT C. MOORE.