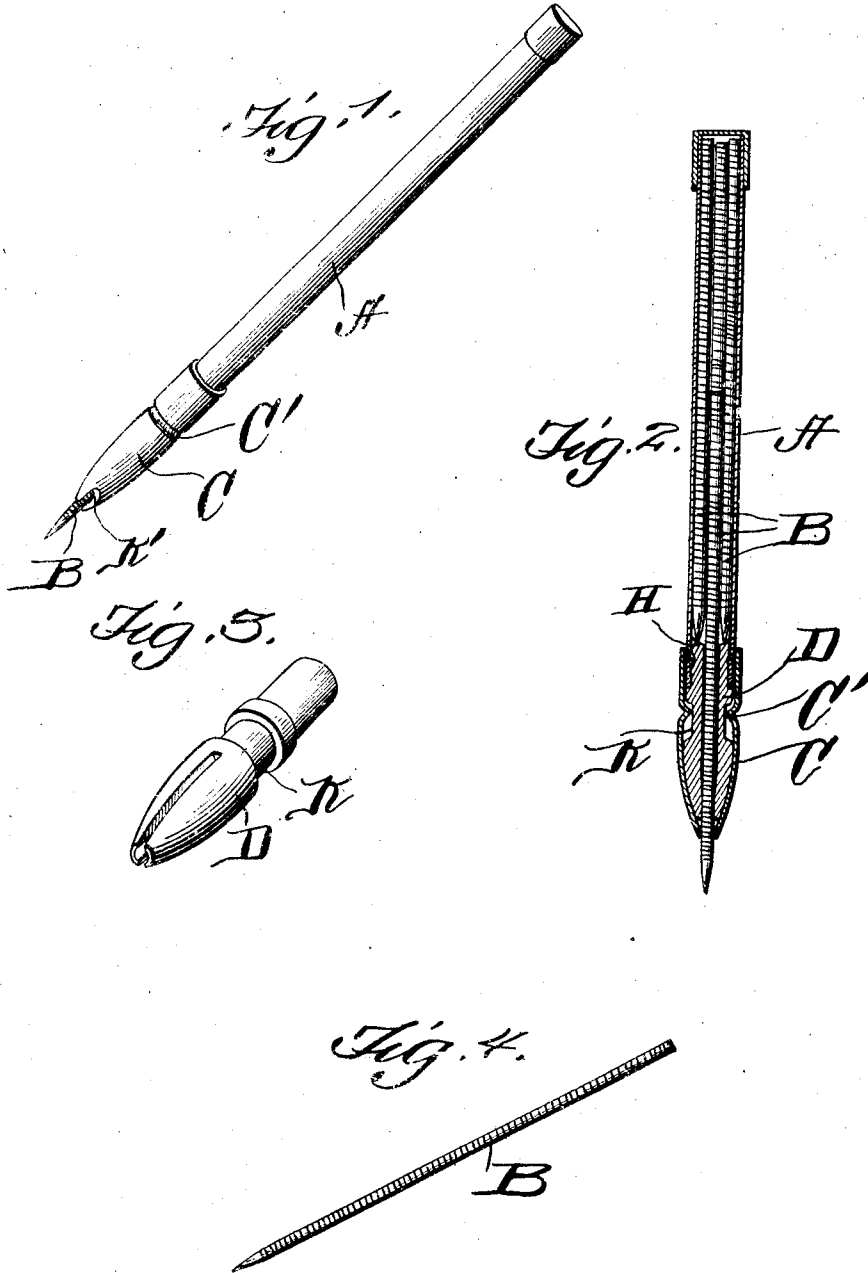


J. A. HOLLENBERGER.  
MAGAZINE PENCIL.  
APPLICATION FILED JUNE 1, 1909.

959,531.

Patented May 31, 1910.



Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN A. HOLLENBERGER, OF HAGERSTOWN, MARYLAND.

MAGAZINE-PENCIL.

959,531.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed June 1, 1909. Serial No. 499,357.

To all whom it may concern:

Be it known that I, JOHN A. HOLLENBERGER, a citizen of the United States, residing at Hagerstown, in the county of Washington and State of Maryland, have invented certain new and useful Improvements in Magazine-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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in pencils and comprises a simple and efficient device of this nature in which a plurality of leads are adapted to be carried within the barrel of the pencil holder and automatically fed from the same when desired for use, means being provided to hold the lead in an adjusted position.

The invention comprises various details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a perspective view of a pencil made in accordance with my invention. Fig. 2 is a longitudinal sectional view through the pencil. Fig. 3 is a detail perspective view of a friction block adapted to hold the lead in an adjusted position, and Fig. 4 is an enlarged perspective view of the preferred form of leads, showing roughened circumference.

Reference now being had to the details of the drawings by letter, A designates the barrel of a pencil holder which is hollow and adapted to contain a series of leads B. Mounted within said barrel is a cylindrical plug D which is fastened thereto, preferably by indenting the wall of the barrel, said block being provided with a projecting tapering split end, through which the leads are adapted to be fed. The tapering end of the block conforms to the tapering end of a tip C, which latter has an annular rib C' formed by an intumed portion of the circumference of the tip, which rib engages an annular recess K formed in the circumference of the cylindrical portion of the block, said recess

being slightly wider than the thickness of the rib allows a slight movement of the block independent of the tip. This movement is provided so that, by moving the tip relative to the block and barrel, the split end of the block may be contracted by the tip to frictionally engage and hold the latter in an adjusted position. It will be noted that one end of said plug is concaved slightly, as at II, about the marginal edge of the central opening therein through which the lead is passed, said concaved end being provided and made preferably of the shape shown so as to allow the pointed leads to be conveniently fed forward to replace one another in the tip. It will be noted that the opposite sides of the tapering end of the tip are cut away, as at K, and affording means whereby a person may conveniently take hold of the projecting, pointed end of the lead for the purpose of drawing the same forward through the tip.

In operation, the barrel portion of the pencil holder is preferably filled with pointed leads, one of which will naturally pass through the aperture in said block as the pencil holder is held with the point down and, when the pointed end of the lead extends a sufficient distance through the block and tip, it may be held in such adjusted position by moving the block within the tip or holding the block stationary and moving the tip over the block, so that the wall of the tip will cause the split end of the block to contact against the pencil and hold the same frictionally. The conical tapering surfaces of the block and tip are so constructed that the block and tip will be held frictionally in such adjusted position, thus securely holding the lead from moving. When it is desired to feed the lead forward as it becomes worn down or for any other purpose, a slight longitudinal movement of the barrel and block in a direction away from the tip, or moving the tip away from the barrel and block, will cause the tip to disengage the surface of the block and allow the lead to move freely through the aperture therein. By having the surface of the lead preferably slightly roughened, the fingers of the operator may conveniently grip the lead and allow the same to be pulled through the tip to the required distance.

By the provision of a pencil made as shown and described, a whole magazine full

of leads may be fed forward one at a time until all are utilized, after which the barrel may be replenished with a new supply.

What I claim to be new is:—

5 A magazine pencil comprising a barrel adapted to contain a plurality of leads, a centrally and longitudinally apertured block telescoping within said barrel and provided with a circumferential shoulder to  
10 limit the telescoping movements thereof, the inner end of said block being concaved and adapted to direct a lead coming in contact therewith into said central aperture, the circumference of the block having an annular

recess and a tapering end which is longitudinally slotted, a shell telescoping over said block and barrel and provided with an interior annular rib engaging said recess in the block, said shell having a tapering end conformed to the tapering end of the block, 20 as set forth.

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

JOHN A. HOLLENBERGER.

Witnesses:

CHAS. E. BARCHLET,

R. H. ALNY, Jr.