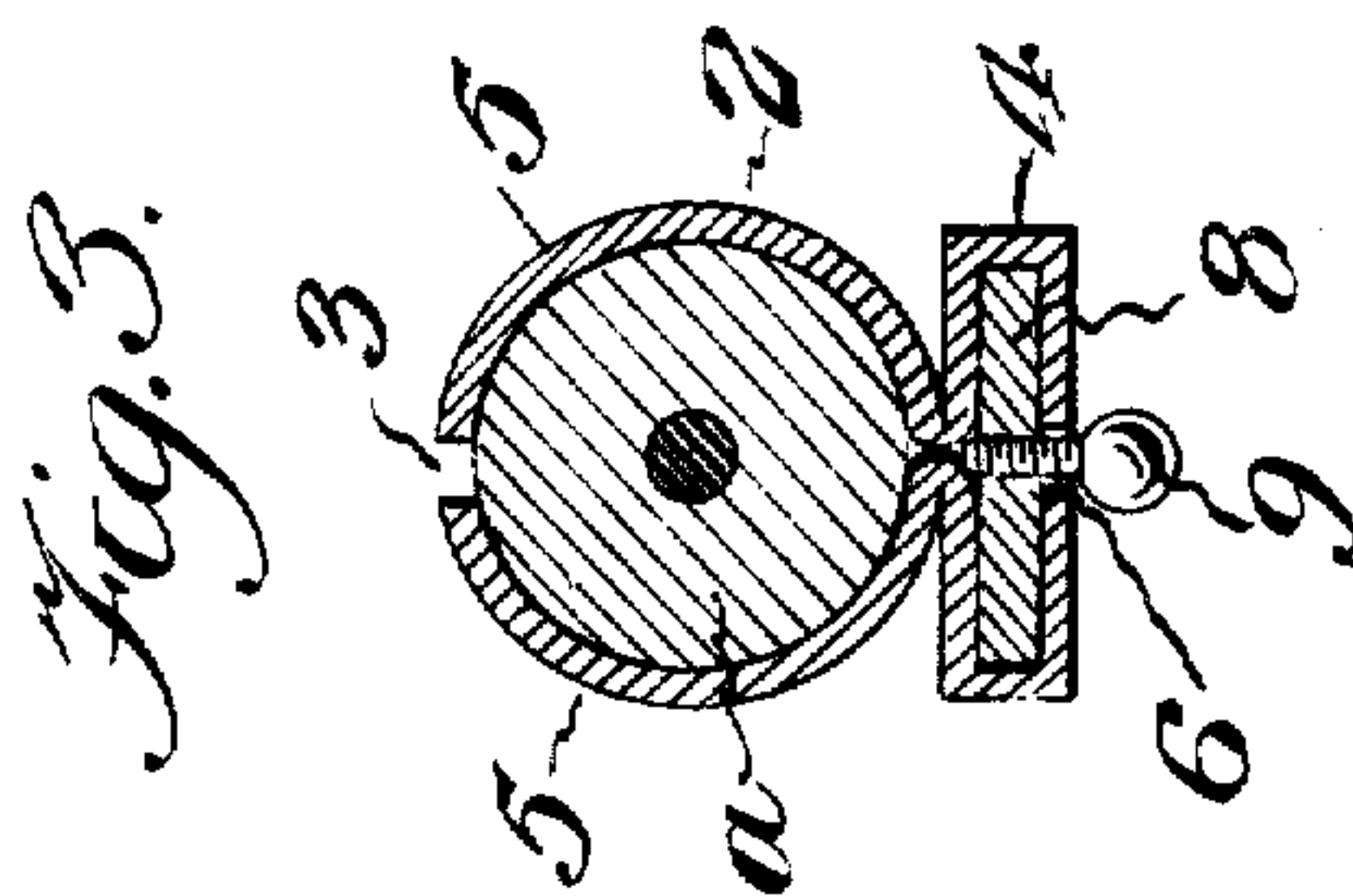
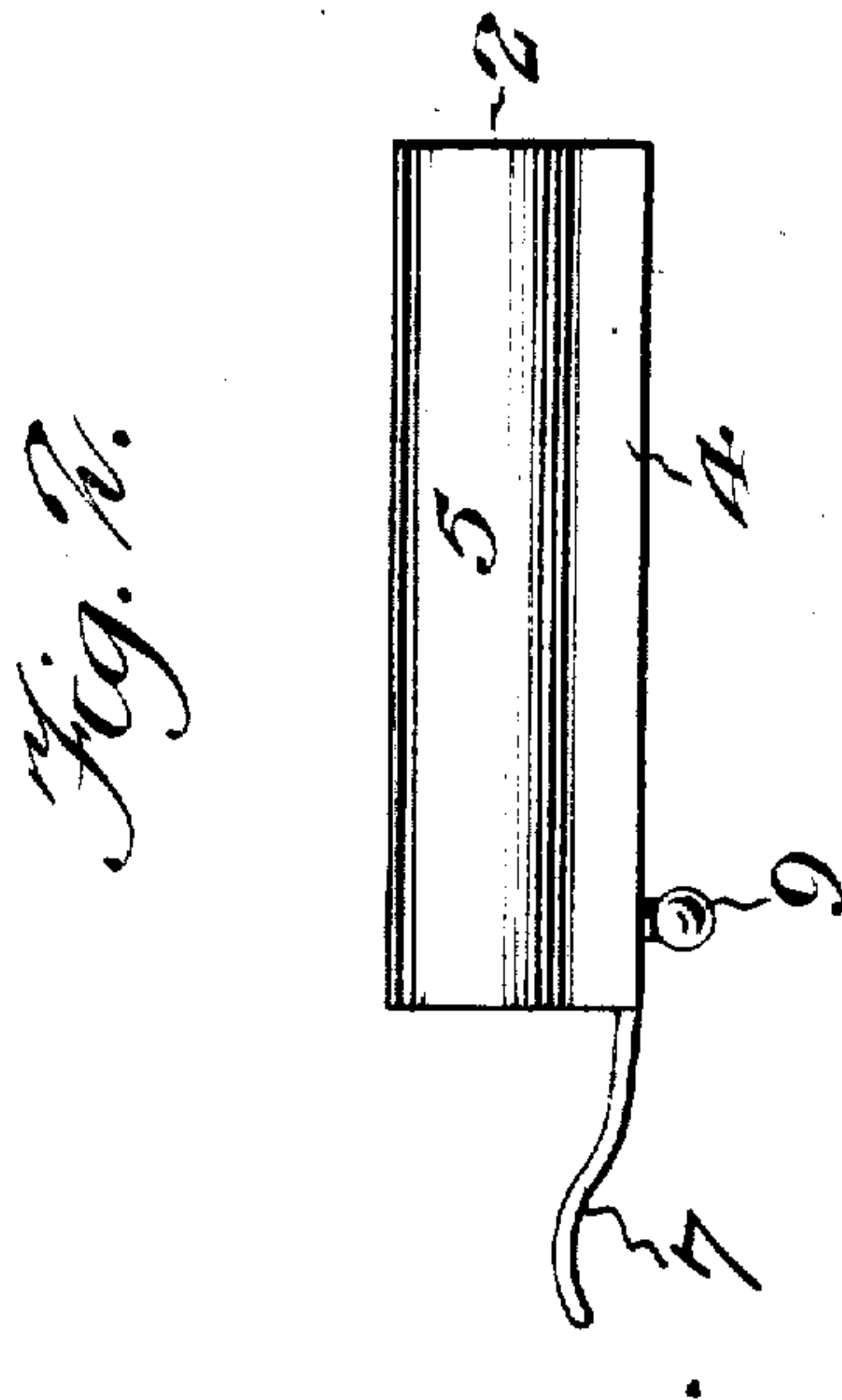
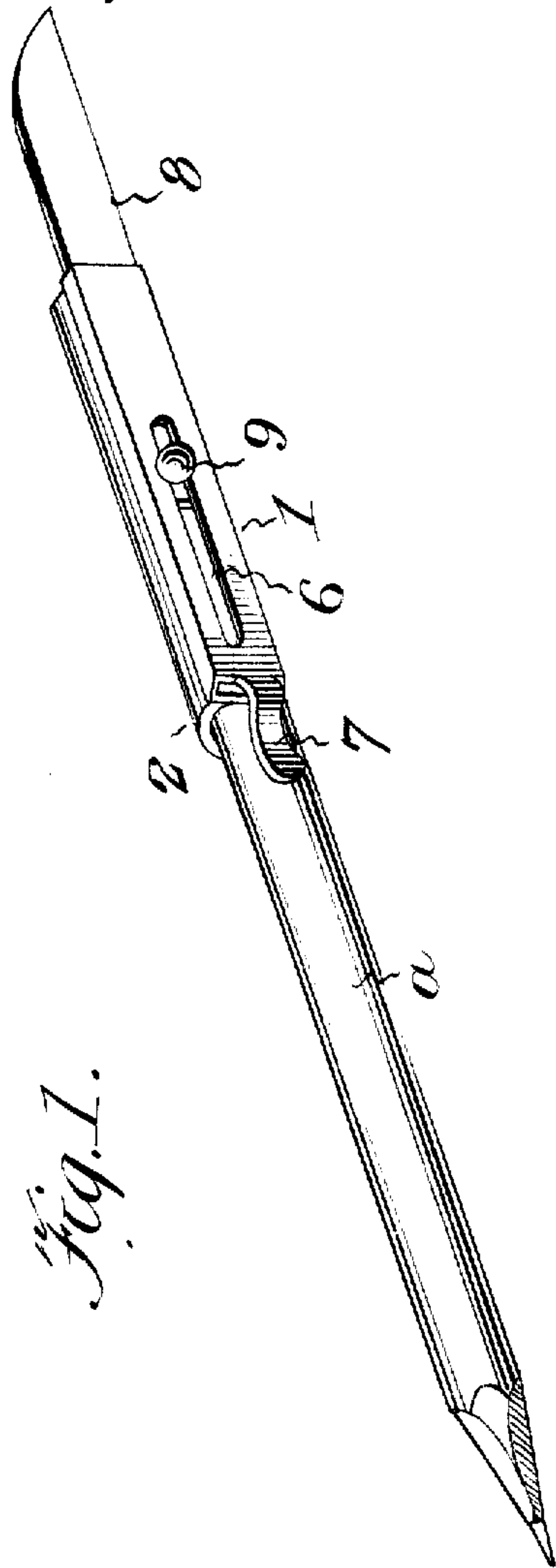


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PENCIL ATTACHMENT.  
APPLICATION FILED MAY 15, 1908.

928,852.

Patented July 20, 1909.



Witnesses  
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# UNITED STATES PATENT OFFICE.

MICHEAL E. DANAHAY, OF EUREKA, ILLINOIS.

## PENCIL ATTACHMENT.

No. 928,852.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed May 15, 1908. Serial No. 433,081.

*To all whom it may concern:*

Be it known that I, MICHEAL E. DANAHAY, a citizen of the United States, residing at Eureka, in the county of Woodford and State of Illinois, have invented new and useful Improvements in Pencil Attachments, of which the following is a specification.

This invention is an improved pencil attachment adapted for use to cover and protect the pencil point and also for use as a letter opener, paper cutter, pencil sharpener, finger-nail cleaner and the like, the object of this invention being to provide an improved device of this character which may be readily attached to and used in connection with an ordinary lead pencil and which may be produced at small cost.

In the accompanying drawings: Figure 1 is a perspective view of a pencil provided with my improved attachment. Fig. 2 is a detail elevation of the attachment with the blade in retracted position. Fig. 3 is a transverse sectional view on an enlarged scale through the pencil and the attachment.

My improved attachment 1 which is adapted for use in connection with an ordinary lead pencil  $\alpha$  has a body which is made of sheet metal bent to form a tubular portion 2 open on one side as at 3 and a sheath portion 4 of rectangular form cross sectionally, the said sheath portion being opposite the opening 3 on one side of the tubular portion. Said tubular portion is of such diameter as to enable it to fit on the pencil and to be moved longitudinally thereon. The metal plate of which the body of the attachment is formed, is spring metal, so that the divided sides 5 of the tubular portion which embraces the pencil constitute spring clamps which engage opposite sides of the pencil so that the pencil is frictionally engaged by the said tubular portion of the body of the attachment and hence such attachment is held frictionally on the pencil at any desired point. The sheath portion 4 of the body of the attachment is provided in its outer side with a longitudinal slot 6. At one end of the said outer wall of the sheath is a spring arm 7 which also bears against the pencil and

holds the attachment in the desired position thereon.

Within the sheath 4 is a longitudinally movable blade 8 which may be moved inwardly in the sheath so as to be entirely covered thereby or may be extended therefrom as shown in Fig. 1 for use. A stop element 9, here shown as a screw stud, operates in the slot 6 and engages a threaded opening near the inner end of the said blade, said stop element coacting with the ends of the slots 6 to limit the extent of movement of the blade.

It will be understood that the attachment may be placed at either end of the pencil to cover and protect the point of the pencil or the rubber eraser at the opposite end thereof. It will also be understood that the attachment is exceedingly useful in cutting paper, sharpening pencils and for other like uses.

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

A pencil attachment of the class described comprising a plate of sheet metal having a doubled central portion forming a cross sectionally rectangular sheath, said sheath having an inner wall, an outer wall, and side walls, said outer wall having a longitudinal slot and being further provided at one end with a spring arm formed integral therewith and serving to bear on a pencil, the terminal portions of said plate being substantially semi-tubular and forming spring clasps to engage the pencil and frictionally hold the same between them, a blade mounted in the sheath for longitudinal movement therewith and having a threaded opening and a stop screw engaging and extending through the threaded opening in said blade and also extending through and movable longitudinally in said slot.

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

MICHEAL E. DANAHAY.

Witnesses:

FRANK B. STUMPF,  
C. A. RADFORD.