

986,987.

Patented Mar. 14, 1911.

Fig. 1.

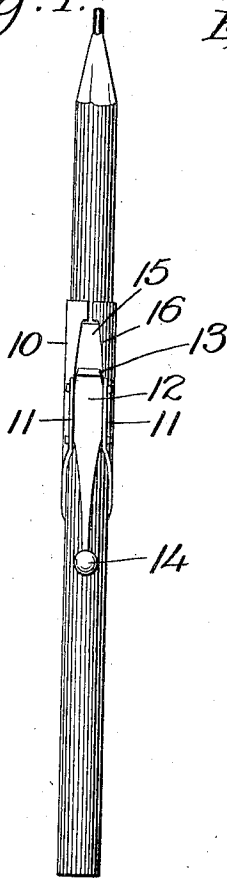


Fig. 2.

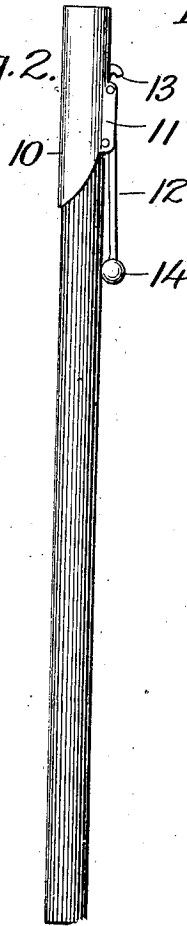


Fig. 3.

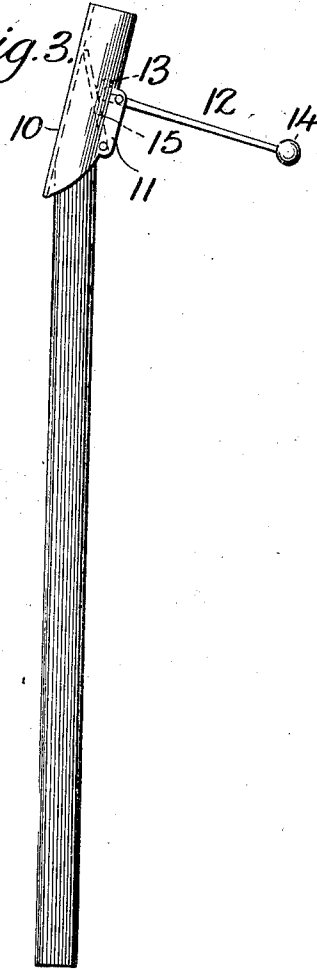


Fig. 4.

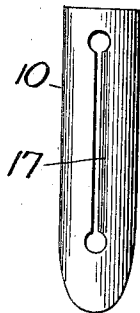


Fig. 5.

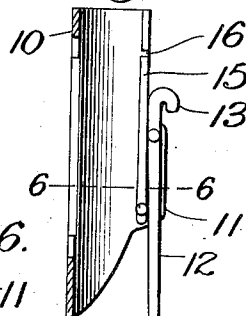
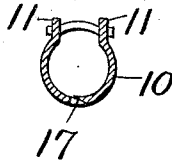


Fig. 6.



WITNESSES:

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SEYKICHI W. ITO, OF BROOKLYN, NEW YORK.

PENCIL-SHARPENER.

986,987.

Specification of Letters Patent.

Patented Mar. 14, 1911.

Application filed May 24, 1910. Serial No. 563,206.

To all whom it may concern:

Be it known that I, SEYKICHI W. ITO, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Pencil-Sharpener, of which the following is a specification.

This invention relates to pencil sharpeners and its object is to provide a simple device which may be secured to or clamped on a pencil to act as a retainer and connect the pencil with the pocket of the wearer to prevent its loss and when it is necessary to sharpen the pencil the device may be slipped to the end of the pencil and so positioned as to perform its function, as will be more fully described in the following specification, set forth in the claims and illustrated in the drawings, wherein:

Figure 1 is an elevation of a pencil showing the sharpener thereon. Fig. 2 is a similar view at a right angle to Fig. 1 and showing the sharpener as a retainer and point protector. Fig. 3 shows the sharpener in operation. Fig. 4 shows the rear side of the sharpener with the knife. Fig. 5 is a longitudinal sectional view. Fig. 6 is a cross sectional view.

The sharpener consists of a band 10 of sheet metal, preferably spring steel which partly encircles the pencil and whose ends are formed with the elongated ears 11 in the upper end of which is fulcrumed a lever 12 having the cam 13 at its upper end while the lower end terminates in a ball 14 to engage the pocket and hold the pencil therein. In the lower end of the ears 11 is hinged a tongue 15 which fits into an open space 16 of the band but which is adapted to swing inward when pressed by the cam 13 as the lever 12 is thrown upward into the position shown in Fig. 3. This position is, however, only possible when the sharpener is carried to the end of the pencil so that the knife 17 is inclined against one side of the point while the tongue 15 is forced into a similar

angle at the other side of the point thus forming a purchase to force the knife against the point of the pencil so that it may do its work. After the pencil is sharpened, the lever 12 is again swung down into its inoperative position and the sharpener may be slid down on the pencil to any desired point causing the tongue 15 to resume a position parallel with the knife and the side of the pencil and holding the lever 12 in a similar position.

The band 10 is of a diameter somewhat less than the pencil itself so that it may be sprung upon the pencil and clamp itself thereon and the lever 12 and the tongue 15 are provided with lateral studs playing in perforations in the ears 11 to allow them to swing in the tube as required.

It is obvious that the parts may be otherwise arranged or modified as may be found desirable and without departing from the essential features above described.

What I claim as new and desire to secure by Letters Patent is:

1. In a pencil sharpener, the combination with a spring tube to be forced on the pencil and be carried thereon, of a knife at one side of the tube, a hinged tongue playing in the other side of the tube and means for adjusting and retaining the tongue at an angle to the knife.

2. In a pencil sharpener, the combination with a sheet metal spring tube to be forced on the pencil so as to be permanently carried thereon, of a knife in one side of the tube, a swinging tongue in the opposite side of the tube, a cam operating on the tongue, and a lever for the cam with a ball at its outer end.

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

SEYKICHI W. ITO.

Witnesses:

GEO. A. SENIOR,
MORRIS FLOREA.