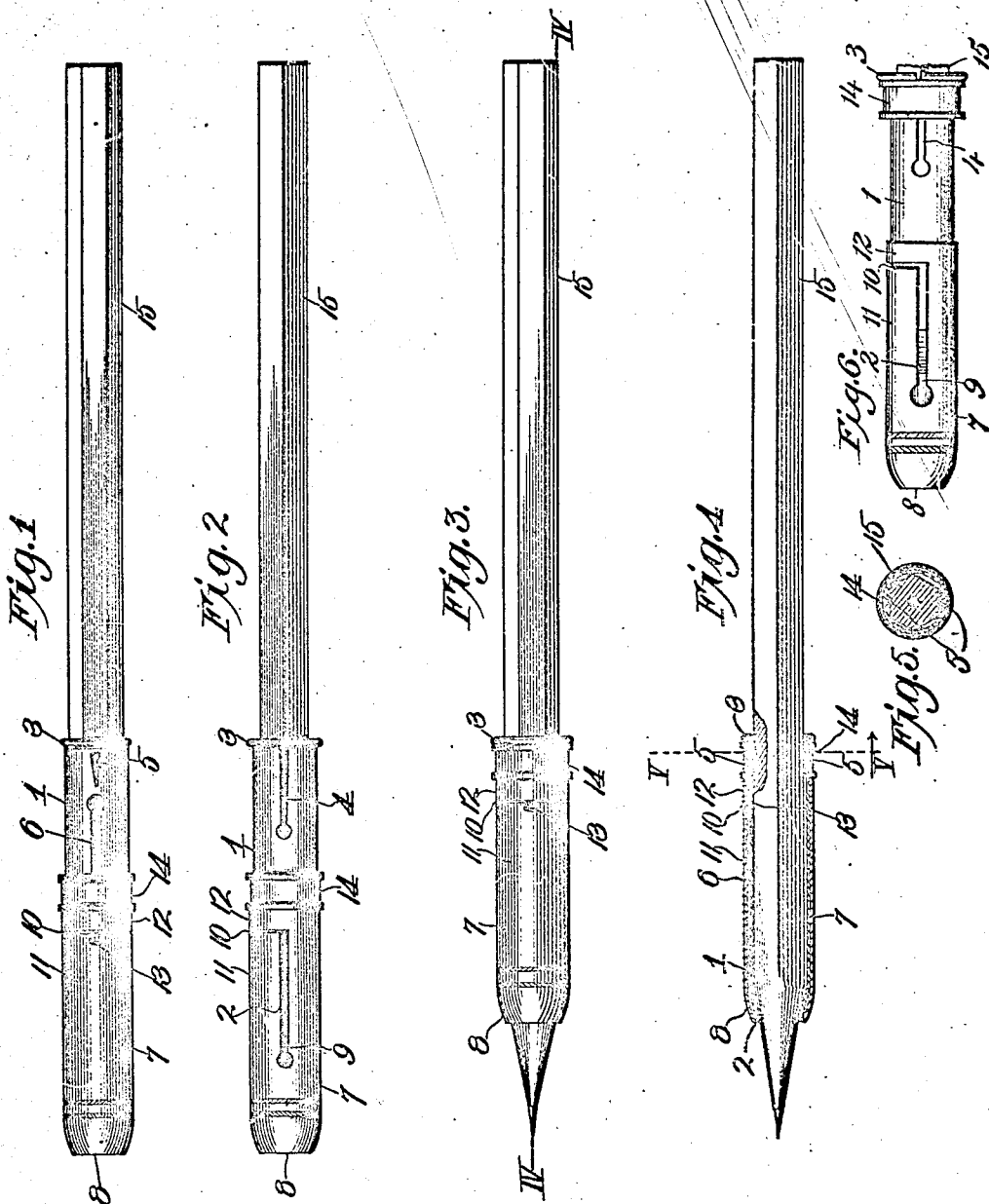


No. 895,511.

PATENTED AUG. 11, 1908.

H. M. STURGIS.
PEN OR PENCIL POINT PROTECTOR.
APPLICATION FILED JAN. 14, 1908.



Witnesses
Frank R. Gore
A. C. Rodgers.

Inventor
H. M. Sturgis
By *George S. Sharp* atty.

UNITED STATES PATENT OFFICE.

HERBERT M. STURGIS, OF KANSAS CITY, MISSOURI, ASSIGNOR TO AARON LEVINGSTON, OF KANSAS CITY, MISSOURI.

PEN OR PENCIL POINT PROTECTOR.

No. 895,511.

Specification of Letters Patent.

Patented Aug. 11, 1908.

Application filed January 14, 1908. Serial No. 410,803.

To all whom it may concern:

Be it known that I, HERBERT M. STURGIS, citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Pen or Pencil Point Protectors, of which the following is a specification.

This invention relates to pen or pencil point protectors and more especially to protectors of that type comprising a section or member fitted upon the pencil with the point of the latter protruding through it and a companion section or member fitting telescopically upon the first-named section and adapted when occupying one position thereon to expose the point of the pencil and when occupying its other position to cover and protect such point, my object being to produce a pencil point protector of the character outlined which can be easily and quickly secured reliably upon a pen or pencil and is of simple, strong, durable and cheap construction.

To this end the invention consists in certain novel and peculiar features of construction and organization as hereinafter described and claimed; and in order that it may be fully understood reference is to be had to the accompanying drawing, in which—

Figure 1, is a side view of a pencil equipped with a point protector embodying my invention. Fig. 2, is a view of the same taken at right angles to the view shown in Fig. 1. Fig. 3, is a view similar to Fig. 1 but with the parts in the position to which they are adjusted to expose the point of the pencil. Fig. 4, is a section on the line IV—IV of Fig. 3. Fig. 5, is a section on the line V—V of Fig. 4. Fig. 6, is a view similar to Fig. 2, with the ring pushed back to the flange and the protector at its forward position.

In the said drawing, 1 indicates a spring metal sleeve having a truncated front end 2, and an outwardly projecting bead 3 at its rear end. It is also slitted at its rear end at diametrically opposite points at 4 so that such end at opposite sides of said slits shall form a pair of spring jaws each provided near its rear extremity and about centrally between the slits with an indented portion or tooth 5, and one of them with a longitudinal slot 6 forward of its tooth.

7 indicates a companion sleeve of spring metal fitted on sleeve 1 and also provided at

its front end with a contracted or truncated end 8. At opposite sides and in longitudinal alinement with slits 4, sleeve 7 is provided with longitudinal slots 9, the rear ends of the slots being connected by a transverse slit 10 so as to form between the same and the slots a stiff spring 11, the sleeve rearward of said spring constituting a solid ring 12 which fits snugly upon sleeve 1. The spring 11 is indented centrally at its rear edge to provide an inwardly projecting pin or lug 13 engaging the guide slot 6.

14 indicates a clamp ring fitting snugly on sleeve 1 at the rear end of sleeve 7. Initially, that is before the pencil 15, is equipped with the protector, the ring 14 is disposed forward of the spring jaws and the sleeve 7 is fitted upon sleeve 1 with its pin 13 in engagement with the front end of guide slot 6. With the parts in this relation the protector is slipped upon the sharpened pencil until the contracted or truncated portion 2 passes the point of the pencil and is arrested by coming in contact with the beveled or sharpened portion of the wood, the teeth of the spring jaws pressing lightly against opposite sides of the pencil. The operator then slides the clamp ring rearwardly, accomplishing this purpose preferably by grasping sleeve 7 and sliding it rearward until the ring comes into engagement with the bead 3 at the rear end of sleeve 1, this rearward adjustment of the ring compressing the jaws of sleeve 1 and effecting the embedment of their teeth 5 into the wood of the pencil so as to clamp said sleeve 1 rigidly upon the latter, as shown in Fig. 4. The same adjustment results in the exposure of the point of the pencil. When the pencil is to be laid aside or placed in one's pocket the sleeve 7 is slid forward from the position shown in Figs. 3 and 4 to the position shown in Figs. 1 and 2 so as to protect the point of the pencil from breakage, the ring however, remaining in the position shown in Figs. 3 and 4.

When the pencil is to be resharpened the sleeve 7 and ring 14 are slid forward to permit the jaws of sleeve 1 to spring apart slightly and enable the operator to remove the entire protector from the pencil preliminary to the resharpening of the same. The protector is then resecured upon the pencil as described, it being obvious that when it is resecured after the sharpening operation, the teeth 5 are embedded in the wood of the pen-

oil at a point rearward of their original points of embedment.

By the formation of the spring 11 forward of the rear end of sleeve 7 and the consequent production of the solid ring 12 rearward of said spring, said sleeve is held solidly and reliably upon sleeve 1 and cannot be rocked or oscillated sufficiently to effect the disengagement of the pin 13 from the guide slot and the consequent dislodgment of sleeve 7 from sleeve 1, as would be possible if the slots 9 extending to the rear edge of sleeve 7, it being necessary to effect such dislodgment to apply a positive outward pressure on the rear end of spring 11. When the sleeve 7 is fitted upon sleeve 1, however, the contracted or truncated end 2 of the latter is engaged by pin 13 and as a result of such engagement spring 11 yields outward until said pin registers with and snaps into slot 6 as will be readily understood.

From the above description it will be apparent that I have produced a pen or pencil point protector possessing the features of advantage enumerated and I wish it to be understood that I do not desire to be restricted to the exact details of construction shown and described as various modifications will occur to one skilled in the art.

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

1. A pen or pencil point protector comprising a sleeve having a spring jaw at its rear end and a truncated front end, and provided with a longitudinal slot, a clamp ring fitting on the sleeve and adapted to be slid rearwardly thereon to press the spring jaw inwardly, and a second sleeve fitting telescopically on the first forward of the ring and provided between its ends with a spring having an inwardly projecting pin for engage-

ment with the longitudinal slot of the first-named sleeve and adapted when slid rearwardly to force the ring in the same direction in the event that said ring has not been previously so adjusted.

2. A pen or pencil point protector, comprising a sleeve having a spring jaw at its rear end and a truncated front end, and provided with a longitudinal slot, a clamp ring fitting on the sleeve and adapted to be slid rearwardly thereon to press the spring jaw inwardly, and a second sleeve to fit snugly on the first and provided with a pair of longitudinal slots terminating short of its front and rear ends and with a transverse slit connecting the rear ends of the longitudinal slots to form between said slots and said slit a spring, and provided with a pin projecting inwardly from said spring into engagement with the longitudinal slot of the first-named sleeve.

3. A pen or pencil point protector, comprising a sleeve having longitudinal slits extending through its rear end to form a pair of spring jaws at such end and also having a longitudinal slot between said slits, and teeth projecting inwardly from the jaws rearward of said slot, a clamp ring fitting snugly on said sleeve, and a second sleeve fitting slidingly on the first and capable when forced rearwardly of sliding said ring in the same direction to cause it to compress said jaws; said second sleeve having a spring between its ends provided with an inwardly projecting pin engaging the slot of the first-named sleeve.

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

HERBERT M. STURGIS.

Witnesses:

FRANK R. GLORE.

G. Y. THORPE.