

Fig. 1.

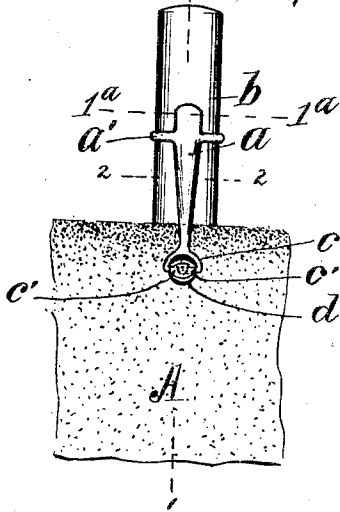


Fig. 2.

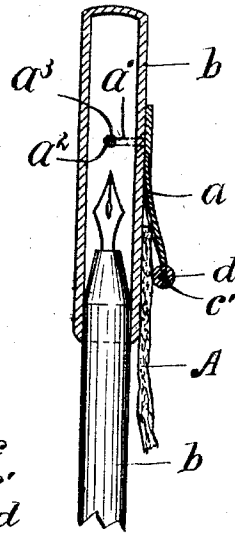


Fig. 3.

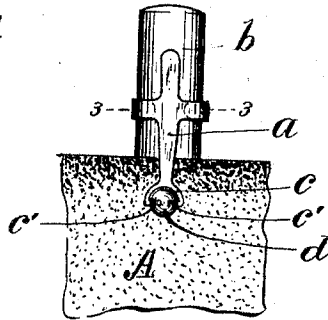


Fig. 4.



Fig. 5<sup>a</sup>

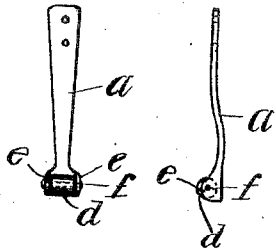
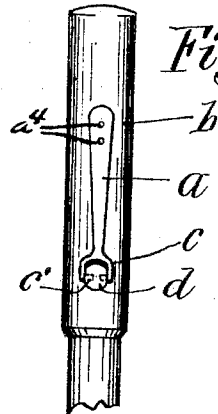


Fig. 6. Fig. 7.

Fig. 5.



Fig. 5<sup>b</sup>



Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## CLIP FOR PENS OR PENCILS.

1,098,719.

Specification of Letters Patent.

Patented June 2, 1914.

Application filed March 6, 1912. Serial No. 682,002.

*To all whom it may concern:*

Be it known that I, JAMES WALTER GREENBAUM, a citizen of the United States, and residing at 401 Monastery street, West Hoboken, Hudson county, State of New Jersey, have invented certain new and useful Improvements in Clips for Pens or Pencils, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

My invention relates to an improvement in a clip for holding a pen or pencil in the pocket, the pen or pencil being at all times available for instant use.

The improvement nearly eliminates the wear of the cloth upon the outside of the pocket where the clip grips the same.

I have found that in the common clip where the free end of the spring is provided merely with a smooth piece of metal, or is turned out to allow the passage of the cloth between such end and the pen-holder or pencil, considerable friction is induced and the cloth is naturally chafed, and in time the outside edge of the pocket is worn away and the garment disfigured.

My invention overcomes the above defect by providing the free end of the spring with a roller, thus permitting the cloth to pass between the pen or pencil and the clip without the usual rubbing, thus diminishing the wear upon the cloth.

My invention provides a cheap and efficient clip as shown in the accompanying drawing of which:

Figure 1 is a front elevation showing the clip removably attached to a pen or engaged with the cloth of a pocket. Fig. 2 is a cross section, where hatched, on line 1—1 in Fig. 1, and shows the nib and part of the pen-barrel in full lines. Fig. 3 is a front elevation showing another means of removably attaching the clip to the pen-holder or pencil. Fig. 4 is a cross section, where hatched, on line 2—2 in Fig. 1. Fig. 5 is a cross section on line 3—3 in Fig. 3. Fig. 5<sup>a</sup> is a cross section, where hatched, taken on line 1<sup>a</sup>, 1<sup>a</sup> in Fig. 1. Fig. 5<sup>b</sup> is a front elevation of the pen clip permanently attached to a pen-holder. Figs. 6 and 7 show modifications of the invention.

Several constructions of clip are shown, all of them adapted to carry the anti-friction roller, by means of a pivot of some construction upon the tip of the spring.

In Figs. 1 and 2, the spring *a* is formed

with arms *a'* curved about the opposite sides of the pen-cap *b* to fit into apertures *a*<sup>2</sup> in the same, as shown in Fig. 5<sup>a</sup>. These arms hold the butt-end of the spring-clip rigidly upon the pen-cap and serve merely in place of the rivets often used for such purpose, as shown in Fig. 5<sup>b</sup>.

Fig. 3 shows the spring with arms adapted to embrace elastically the pen cap or pen-holder, so as to be applied respectively thereto in the well known manner.

The pivot for the roll shown in Fig. 1 is formed by bending inwardly the opposite ends *c* of a fork at the end of the spring, such inwardly bent ends *c* forming journals bent into the opposite ends of a roller to hold it loosely in place and permit its rotation so as to pass easily over the cloth *A*, as shown in Figs. 1 and 2. Fig. 5<sup>b</sup> shows the same forked construction for the pivot to hold the roll *d* rotatably.

Figs. 6 and 7 show the tip of the spring *a* formed with ears *e* both provided upon one side of the spring, with space between them for the roller *d*, and a pin *f* extended through the ears and roller to hold the latter rotatably. The ears are projected upon the inner side of the spring so that when the same is secured upon the penholder the roller is entirely concealed.

The clip consisting of a spring *a*, provided with arms *a'*, and the ends of the arms *a'* bent inward to fit into apertures *a*<sup>2</sup> in the pen-holder or pencil, furnishes a very cheap means of securing the spring rigidly and semi-detachably upon a pen-cap.

When stamped from the desired metal the arms *a'* are made elastic, in which case their ends are sprung into the holes *a*<sup>2</sup> in the pen-holder or pencil; or of malleable metal made primarily with sufficient distance between them to permit the insertion of the pen-holder or pencil, and the arms then bent inward until their ends *a*<sup>2</sup> are pressed into the holes *a*<sup>2</sup>, thus holding the spring rigidly in position along the cap of the pen.

I do not, however, confine my invention to the above means for fastening the clip to a pen-holder or pencil, but may use other means such as shown in Fig. 3 of the drawing, where the clip is held on by elastic encircling arms permitting it to be slid on and off the pen-holder or pencil; or by the rivets *a*<sup>1</sup> shown in Fig. 5<sup>b</sup> of the drawing, which secure the clip permanently to the pen-cap.

