Dec. 16, 1941. S. G. LOPEZ 2,266,429

PENCIL CAP

Filed Jan. 11, 1940

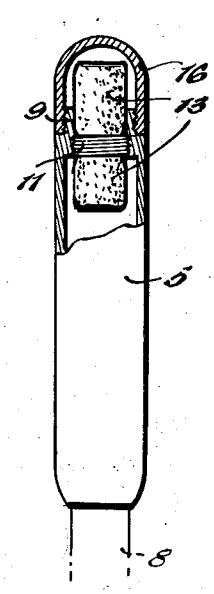

Fig. 8.

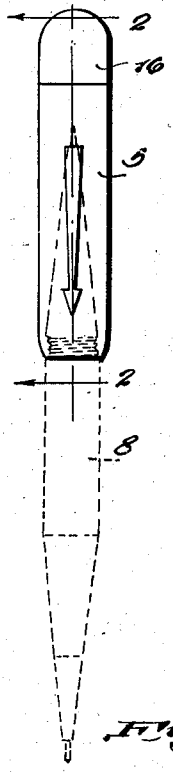

Fig. 1.

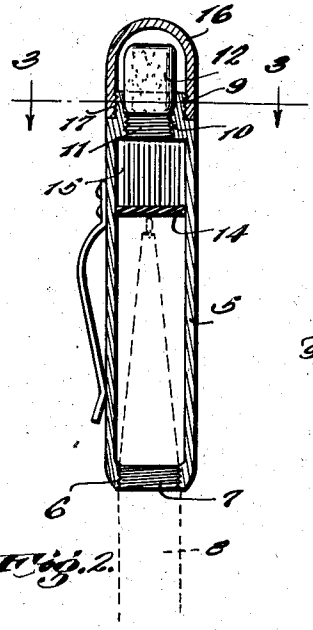

Fig. 2.

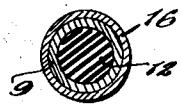

Fig. 3.



Fig. 6.

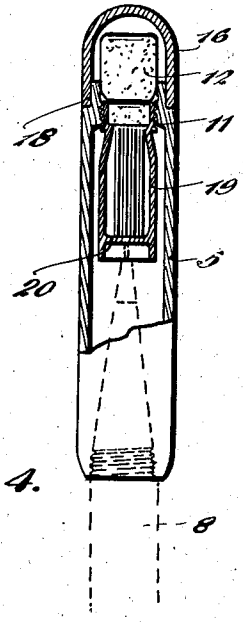

Fig. 4.

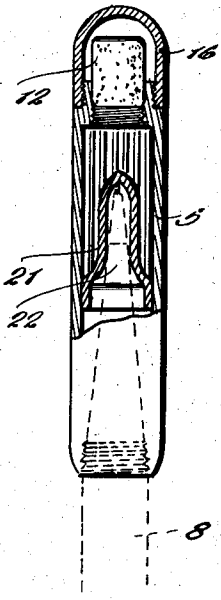

Fig. 5.

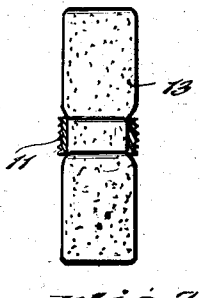

Fig. 7.

Inventor

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UNITED STATES PATENT OFFICE

2,266,429

PENCIL CAP

Serafin G. Lopez, San Francisco, Calif.

Application January 11, 1940, Serial No. 313,451

2 Claims. (Cl. 120—38)

This invention relates to pencil caps.

It is an object of the invention to provide a cap having a removable eraser and container for extra leads.

A further object of the invention resides in providing a device of the above-mentioned character which is simple and durable in construction, reliable and efficient in use, and inexpensive to manufacture.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Fig. 1 is a side elevational view of the cap applied to a combination pencil,

Fig. 2 is a longitudinal sectional view taken on line 2—2 of Fig. 1.

Fig. 3 is a cross sectional view taken on line 3—3 of Fig. 2,

Fig. 4 is a longitudinal sectional view of a modified form of cap,

Fig. 5 is a longitudinal sectional view of a further modified form of cap,

Fig. 6 is an enlarged sectional view of the ring for mounting the eraser,

Fig. 7 is a similar view showing a double eraser mounted in the ring, and

Fig. 8 is a longitudinal sectional view of the cap with the double eraser mounted therein.

In the drawing, wherein for the purpose of illustration, I have shown a preferred embodiment of my invention, the numeral 5 denotes the preferred form of cap which comprises a tubular member constructed of suitable material having its lower end provided with internal screw threads 6 adapted to engage the threaded portion 7 of the combination pen and pencil 8. The upper end of the tubular member is formed to provide a reduced nipple 9 having internal screw threads 10 to receive the removable screw ring 11 which supports the eraser 12. A single-end eraser may be fitted in the ring, as shown in Fig. 6, or if desired a double-end eraser 13 may be fitted in the ring, as shown in Fig. 7. A partition 14 is disposed in the tubular member below the ring 11 to form a chamber 15 to receive extra leads, but if the double-end eraser 13 is used the chamber 15 is eliminated. An outer cap 16 for covering the eraser may be fitted over the nipple 9 and is connected thereto by screw threads 17, of if preferred may have a friction connection therewith, as shown at 18, in Fig. 4.

In Fig. 4 a modified form of cap is shown in which the ring 11 is provided with a depending tubular chamber 19 closed at its lower end by a bottom wall 20 which is spaced from the lower end of the chamber. The eraser 12 which is fitted in the ring serves as a closure for the chamber in which the extra leads are disposed.

In Fig. 5 a further modified form of cap is shown which includes a bullet-shaped partition member 21 which is positioned within the tubular member 5 with the nose extending upwardly. The member 21 is of hollow construction, the recess 22 serving to receive the pencil point when the cap is in position. The leads are positioned around the upwardly extending nose or reduced portion of the partition and rest on the base thereof.

In use, the eraser may be readily removed from the cap when it becomes worn and replaced with a new eraser which can be easily inserted in the ring 11 which supports the eraser. Also the removable eraser serves as a closure for the lead chamber, so that extra leads may be conveniently carried without danger of breaking. While the outer cap 16 serves to protect the eraser from dirt, it may be eliminated if desired. Also, the bore of the nipple 9 may be constructed to have a tight fit with the eraser, thus eliminating the need of the screw ring 11.

It is to be understood that the form of my invention herein shown and described is to be taken as a preferred example of the same and that certain changes in the shape, size, and arrangement of the parts may be made without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, I claim:

1. A cap for a writing instrument having a barrel, comprising a sleeve having means at one end for engagement with the barrel, a constricted internally threaded portion at its opposite end which is threaded externally, a plug removably engaged in said constricted portion, said plug having erasive properties, a cover detachably secured on the external threads, and a transverse partition fixed in said barrel spacedly remote from said constricted portion to constitute a chamber therebetween.

2. A cap for a writing instrument having a barrel, comprising a sleeve having means at one end for engagement with the barrel, and a contracted portion at its opposite end, a rubber plug normally held in said contracted portion, a cover engageable on said portion to normally enclose said plug, and an enclosed chamber in said barrel below said contracted portion.

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