C. C. ISAACSON.

ERASER HOLDER FOR PENCILS.

APPLICATION FILED FEB. 24, 1921.

1,435,302. Patented Nov. 14, 1922.

Fig. 1.

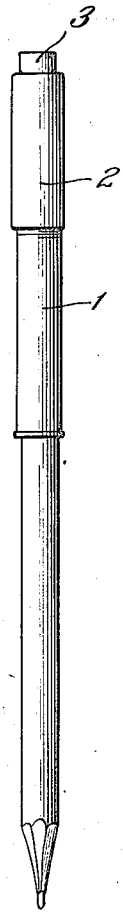


Fig. 2.

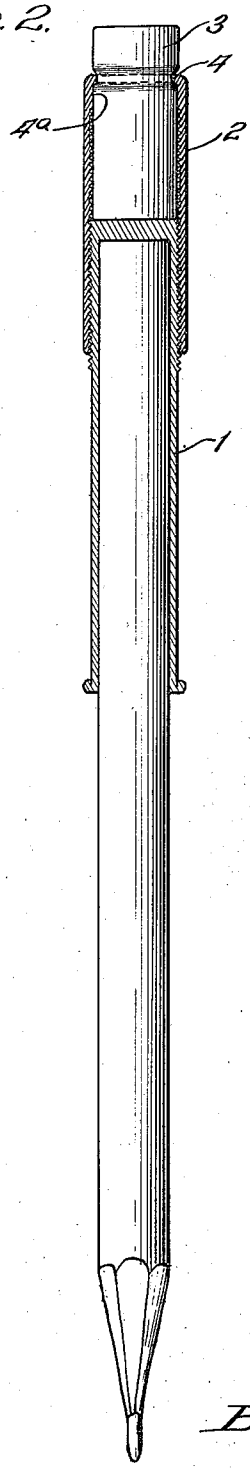
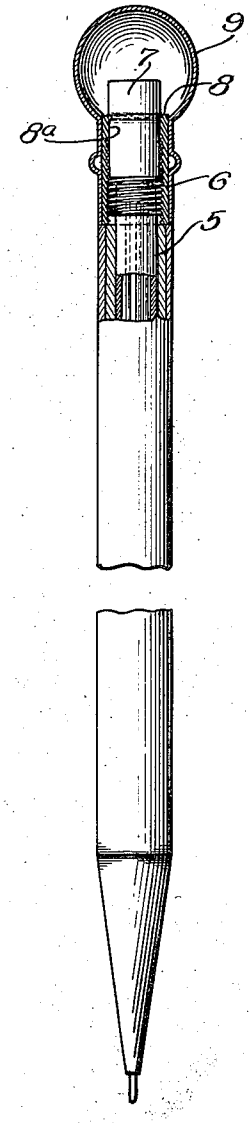


Fig. 3.



Inventor:
Carl C. Isaacson,
By: Wm. C. Bell, Atty.

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UNITED STATES PATENT OFFICE.

CARL C. ISAACSON, OF CHICAGO, ILLINOIS.

ERASER HOLDER FOR PENCILS.

Application filed February 24, 1921. Serial No. 447,370.

To all whom it may concern:

Be it known that I, CARL C. ISAACSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Eraser Holders for Pencils, of which the following is a specification.

My invention relates to eraser holders and comprises an improved mounting for rubber erasers adapted to form a pencil holder, to be applied to a pen holder or a pencil, or to form an integral part of a pen holder or a pencil.

The main object of my invention is to construct an improved holder which may be used as an accessory for an ordinary pencil or pen holder with or without an eraser fixed thereon, or which may be used as an integral part of one of the more complicated magazine pencils now on the market, which are generally of metal construction and in which conservation of space is an important factor.

The use and flexibility of rubber erasers require them to be firmly held within a short distance from their erasing end, a distance which is soon diminished as the eraser wears, whereupon the eraser is rendered useless unless it can be replaced or can be extended to provide a new wearing portion, and an additional object of my invention is to provide means for securely holding the pencil eraser near its end and for feeding the eraser from its holder, as required, without interfering with the security of the holding means.

In the accompanying drawings which illustrate a preferred embodiment of my invention—

Fig. 1 is an elevation of an ordinary pencil equipped with my eraser holder.

Fig. 2 is an enlarged view of the pencil and holder shown in Fig. 1, showing the holder in section.

Fig. 3 is a view and section of a metal pencil of the magazine type referred to above.

The eraser holder comprises an exteriorly threaded base 1 and an interiorly threaded barrel 2. Base 1 is shown as a cap having a slip fit on the pencil but may be threaded thereon or provided with a common ring clamping means, if desired. Barrel 2 is screwed on to the threaded end of base 1 and contains a cylindrical eraser 3. The outer end of barrel 2 is crimped or broached to form an inwardly turned lip 4, which bites into the eraser to hold it against unwanted longitudinal movement.

The threads on the interior surface of barrel 2 do not extend up to the outer, broached end of the barrel but leave a substantial unthreaded portion 4^a adjacent lip 4. The eraser contacts with this unthreaded portion and is held thereby against the alternate lateral movement which would otherwise result when the eraser is used, and which would produce an alternate bending of the eraser, which would tend to work it out of its holder and also tend to tear off the projecting part. If the threads extended clear up to lip 4, almost all of the metal of portion 4^a, which now contacts with the eraser, would be removed and the eraser would only bear upon the points of the threads. This bearing would be insufficient to securely hold the eraser.

When the projecting portion of the eraser is worn down, either all the way or only part way, it may be forced outwardly by screwing barrel 2 to the right on base 1.

While base 1 may be threaded far enough to permit barrel 2 to have a threaded engagement therewith throughout the length of the barrel, when screwed all the way down, I prefer to thread base 1 a short distance only, as clearly shown in Fig. 2, and leave the remainder of the base unthreaded and smooth, to be finished with polish or enamel.

In the modification shown in Fig. 3, a lead magazine 5 corresponds to base 1 and barrel 6 corresponds to barrel 2. The eraser 7 projects beyond the upper end of barrel 6 and when worn is fed outwardly in the same manner as eraser 3 in its holder. Barrel 6 is provided with a lip 8 corresponding to lip 4 on barrel 2 and with a smooth eraser contacting portion 8^a corresponding to portion 4^a on barrel 2.

While lips 4 and 8 securely hold the eraser against such longitudinal movement as results from the use of the eraser, their grip will not be sufficient to resist the feeding of the eraser by the relative longitudinal movement of barrels 2 and 6 upon their corresponding bases. The cap 9 shown in Fig. 3 forms an ornamental protector for the eraser and forms no part of my invention.

I am aware that eraser holders have been threaded onto pencils and that various devices have been heretofore used which per-

mit projection of an eraser from its holder, when partly used, but I believe my invention to be novel in the provision of a threaded holder which is adapted to have its eraser projected therefrom by screwing the holder upon a base which bears against the rear of the eraser and pushes it out of the holder as the screwing on operation is continued.

I regard the unthreaded portion of the interior of the barrel adjacent the holding lip as an important feature of my invention, as I have found that its presence renders my device much more useful and efficient than a similar device in which the threads are continued all the way to the lip. With my holder, practically all of the eraser may be utilized, and the slight amount of eraser which remains unused, when the barrel has been advanced upon its base as far as the threads permit, does not materially affect the value of the device.

I am aware that changes in the form and construction of parts and details of construction may be made without departing from the invention or sacrificing the advantages thereof and I reserve the right to make all such changes and modifications as fairly fall within the scope of the following claim:

I claim:

An erasive implement comprising a tubular eraser-carrier internally screw threaded at the inner end thereof and having an inwardly projecting annular flange at the outer end thereof and an intermediate plane or unthreaded portion between said flange and threads and being of a diameter at least as small as the diameter of the threads; a compressing member having a screw threaded inner end seated in the screw threaded end of the eraser-carrier and formed with an abutment to engage the eraser; and an eraser having a cylindrical portion within the carrier of uniform diameter.

CARL C. ISAACSON.