

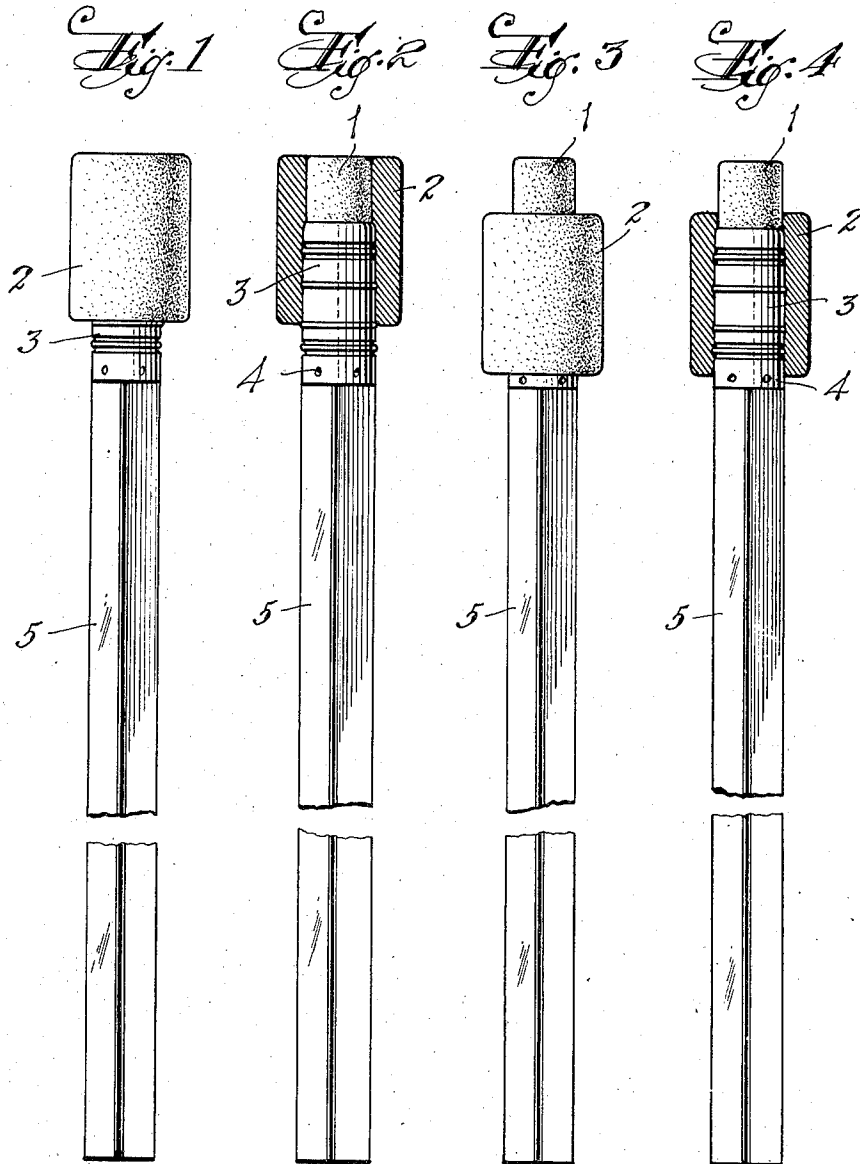
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COMBINED PENCIL AND ERASER

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COMBINED PENCIL AND ERASER

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1 Claim. (Cl. 120—38)

For many years, it has been the practice of pencil manufacturers to fixedly attach a cylindrical piece of erasive material to the end of a pencil by a metal ferrule having one end secured to the pencil and the other end forming a socket in which the erasive material is secured. Generally, the piece of erasive material has been of the same diameter as the pencil, but it has been found that the eraser almost invariably has been depleted by use long before the pencil.

Attempts have been made to provide a larger quantity of erasive material, for example, by making the free end of the metal ferrule with a larger socket in which is fitted a block of erasive material considerably larger in diameter than the pencil. This practice is wasteful because a large portion of the piece of erasive material is required to be clamped in the ferrule for holding the material in the ferrule and cannot be used for making erasures. Moreover, the specially shaped ferrule is expensive.

The prime object of my invention is to overcome the foregoing and other disadvantages of and objections to known erasers, and to provide a novel and improved eraser which shall comprise a plurality of parts of erasive material so constructed and arranged that the eraser shall last as long as the pencil to which it is attached, a minimum amount of erasive material shall be lost in mounting the eraser on a pencil or other holder, and the eraser and its mounting shall be less expensive and add no more weight to the pencil than the known eraser having the ferrule with the enlarged socket and a large block of erasive material therein.

Another object is to provide such an eraser which shall embody novel and improved features of construction whereby one of the parts shall serve as a support for the other, and the parts shall be relatively adjustable so that the two parts can be used in making erasures either complementally and simultaneously or selectively independently.

Further objects are to provide an eraser of this character wherein one part shall serve as a support for the other during use and until depletion of the latter, after which the first-mentioned part can be used for making erasures, whereby the eraser shall be long-lived; and to provide a combined pencil and eraser wherein the first-mentioned part shall be directly secured to the pencil and the other part shall be frictionally slidable on the first part and the pencil so that after the first part has been consumed, the other

part can be adjusted on the pencil and used alone for making the erasures.

Other objects, results and advantages of the invention will appear from the following description when read in conjunction with the accompanying drawing in which

Figure 1 is a side elevation of a combined pencil and eraser embodying my invention.

Figure 2 is a similar view showing one part of the eraser in vertical longitudinal section.

Figure 3 is a view similar to Figure 1 showing one part of the eraser adjusted relative to the other and to the pencil, and

Figure 4 is a view similar to Figure 3 showing one part of the eraser in vertical longitudinal section.

Specifically describing the invention, the eraser comprises two telescopically and frictionally slidably associated parts of erasive material. As shown, one of these parts comprises a cylindrical piece, block or body 1 while the other piece comprises a sleeve 2 telescopically and frictionally longitudinally slidable over the piece 1.

Where the eraser is to be used in conjunction with a pencil or other holder, the block or body 1 may be fitted into one end of a metal ferrule 3 which forms a socket, the other end of which is attached at 4 in the usual way to the pencil or other holder 5. When the eraser is so used, the sleeve 2 is longitudinally frictionally slidable with respect to both the body 1 and the ferrule 3.

In use, the two parts 1 and 2 of the eraser may be arranged with their ends flush or coincident with each other as shown in Figures 1 and 2, so that said corresponding ends of the parts may be used simultaneously and complementally in making erasures. When the eraser is so used, it will be observed that after the body 1 has been depleted by use, the remaining portion of the sleeve 2 may be slid longitudinally of the pencil into juxtaposition to the end of the ferrule 3 and used alone for making erasures.

With this construction, the quantity of erasive material may be such that the eraser will last as long as the pencil, and a minimum amount of erasive material is lost in the attachment of the body 1 to the ferrule 3. Moreover, the eraser does not add any more weight to the pencil than would be the case if the outer end of the ferrule were enlarged and a block of erasive material of the same cross-sectional size as the sleeve 2, were inserted into the enlarged end of the ferrule.

If desired, the sleeve 2 may first be used for making erasures and be progressively slid outwardly on the body 1 to compensate for consump-

tion of the material of the sleeve in making the erasures, until the material of the sleeve has been depleted. Then the body 1 might be used alone for making erasures.

5 The arrangement of the corresponding ends of the body 1 and sleeve 2 flush with each other as shown in Figures 1 and 2, is especially useful in making erasures over large areas easily and quickly, but should it be desired to use the eraser
10 in small spaces or to erase over only a small area, the sleeve 2 may be slid inwardly on the pencil and body 1 to expose the end of the body 1 as shown in Figures 3 and 4, whereupon the body 1 may be used independently of the sleeve for
15 making erasures.

Also, of course, it is possible to arrange the two parts of the eraser in the relation shown in Figures 3 and 4, use the body 1 until it is depleted, and thereafter use the sleeve 2, slidably
20 adjusting the sleeve to bring its end beyond the outer end of the ferrule to compensate for consumption of the material of the sleeve.

The body 1 serves as a support to prevent collapse of the outer end of the sleeve 2; the sleeve 2 having its end fitted over the ferrule 3 assists in holding the body against displacement from the socket in the ferrule 3 and also serves as a support for the outer end of the body 1; and the frictional engagement of the two parts 1 and 2
5 resists sliding of the sleeve on the body.

Having thus described my invention, what I claim is:

10 An eraser comprising two telescopically and frictionally relatively longitudinally slidable sections having corresponding ends formed of erasive material, said sections being relatively adjustable
15 selectively to arrange said corresponding ends complementally to each other to provide a large area of erasive surface or to project one end of the inner section beyond the corresponding end of the outer section to provide an erasive surface
20 of smaller area.

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