

(No Model.)

R. H. RYAN.
PENCIL CASE.

No. 531,136.

Patented Dec. 18, 1894.

Fig. 1.

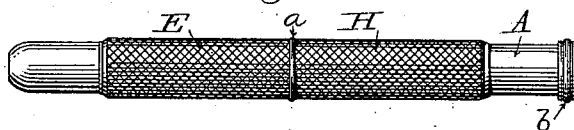


Fig. 2.

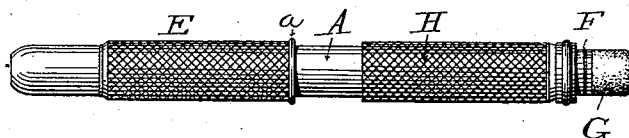


Fig. 3.

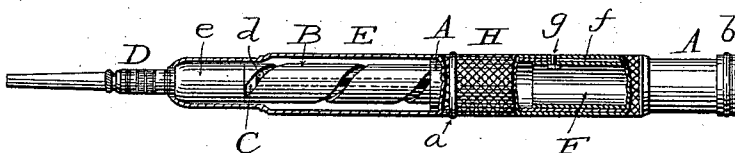
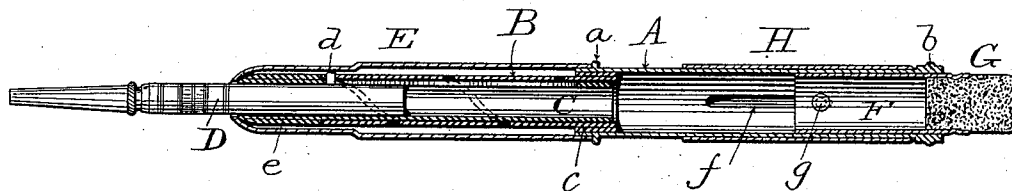


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

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PENCIL-CASE.

SPECIFICATION forming part of Letters Patent No. 531,136, dated December 18, 1894.

Application filed May 29, 1894. Serial No. 512,931. (No model.)

To all whom it may concern:

Be it known that I, RICHARD H. RYAN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Pencil-Cases, of which the following is a specification.

My invention relates to what are generally known as pen and pencil cases, and consists in a novel construction of the same, as hereinafter set forth and claimed. It has long been desired by dealers and manufacturers in this class of goods, which are usually made up in gold or silver, to provide the pencil case with a rubber eraser, but so far as I am aware, no one prior to my invention has succeeded in combining the eraser with a pencil movement.

In carrying out my invention the main body, shell, or case of the pencil is left open at one end to receive the eraser, while the opposite end carries a spirally slotted tube forming a part of the movement. Fitting within the spirally slotted tube is a longitudinally slotted tube, through which and the spirally slotted tube, a pin carried by the pencil projects. A sleeve or tube is connected at one end to the outer end of the longitudinally-slotted tube, and is journaled at its inner end upon the shell or case, so that by holding the shell or case and turning the sleeve or tube, or vice versa, the pencil will be carried into or out of the end of the sleeve or tube. As the pencil is carried inward, its inner end is permitted to project into the main body or shell, thus allowing me to employ a long pencil in connection with a very short movement, whereby I am enabled to use long leads in the pencil and at the same time have an extended bearing for the pencil to insure steadiness and rigidity.

The eraser is designed to be moved into and out of the main body or shell as desired, without affecting the position of the pencil; and to secure this result, the eraser holder is provided with a pin which passes through a longitudinal slot in the body or shell, and is connected with a sleeve or band which encircles the body or shell. This sleeve or band is of a length considerably greater than that of the slot, whereby the slot shall remain covered or

concealed at all times, thereby excluding the dust or dirt from the pencil movement. Other means may be employed for moving the eraser into and out of the main body or shell.

Referring now to the drawings, which represent the simplest and preferred embodiment of my invention—Figure 1 is a side elevation of my improved device ready for insertion in the pocket; Fig. 2, a similar view with the eraser projected; Fig. 3, a side elevation partly in section; and Fig. 4, a longitudinal sectional view on a larger scale.

A indicates the main body, shell, or case, from one end of which projects the spirally-slotted tube B, Fig. 4. At a short distance from one end of the case is a circumferential rim or flange *a*; while at the opposite end is an ornamental band or ring *b*, as shown in all the figures. The spirally-slotted tube B is of less diameter than the shell or case A, and is secured at its inner end to a collar *c* which is fast to the case. Within the tube B is a tube C slotted longitudinally to receive a pin *d* carried by the pencil or pencil holder D, as clearly shown in Fig. 4, and as is common in this class of devices, the construction and arrangement being such that by holding one of the tubes and turning the other, the pencil will be carried inward or outward, according to the direction of rotation.

Secured to the end of tube C is a collar *e*, Figs. 3 and 4, against which the outer end of tube B abuts, and to which the outer end of the sleeve or tube E is secured by soldering or otherwise; the said sleeve E encircling at its opposite end the inner end of the shell or case A and abutting against the rim or flange *a*.

The shell or case A is provided with a straight slot *f* to receive a pin *g* carried by the eraser holder F, Figs. 3 and 4, which latter will consist simply of a short tube which shall fit snugly within the case A, and by which the eraser proper G, is carried.

Encircling the case or shell A is a tube or sleeve H to which the pin *g* is secured, the length of the sleeve exceeding that of the slot so that when the said sleeve is moved lengthwise upon the case A, between the rim or flange *a* and the ring *b*, the slot shall remain concealed or covered by the sleeve.

From the foregoing it will be seen that the

eraser may be projected from the case independently of the pencil, as in Fig. 2; that the pencil may be projected independently of the eraser as in Fig. 3; and that they may be projected or retracted simultaneously.

Having thus described my invention, what I claim is—

1. In a combined pencil and eraser, the combination with shell or tube A provided with spirally slotted tube B; of the straight slotted tube C within tube B; the pencil D provided with pin *d* to engage the slotted tubes B C; the sleeve E journaled upon the end of the shell A and connected with tube C; the eraser holder F provided with pin *g* to enter a slot in the shell A; and the encircling sleeve H connected with the pin *g*, said parts being adapted to co-operate substantially as shown and described.

2. In a combined pencil and eraser, the combination with shell A provided at one end with spirally-slotted tube B, and the rim *a* and ring *b*; of a longitudinally-slotted tube C fitting freely within tube B; a pencil D provided with a pin to engage the slotted tubes; an eraser mounted within the shell A; a sliding sleeve H encircling the tube between the rim *a* and ring *b*, and connected with the eraser

by a pin; and a rotatable sleeve E journaled at one end upon the shell and connected at the opposite end with the tube C, said parts being arranged to co-operate substantially as shown and described.

3. In combination with shell A provided with collar *c*; the tube B secured to the collar and projecting beyond the end of the shell; the tube C within tube B; the collar *e* at the outer end of tube C; the pencil D provided with pin *d* to engage the slotted tubes B C; and the sleeve E journaled upon the end of the case A and connected at its opposite end to the collar *e*.

4. In combination with a pencil case provided with a pencil movement and a pencil at one end; a hollow eraser-holder within the case at the opposite end and means for moving said holder longitudinally, whereby the pencil may be retracted into that portion of the case in which the eraser holder is mounted.

In witness whereof I hereunto set my hand in the presence of two witnesses.

RICHARD H. RYAN.

Witnesses:

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