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G. LARSEN

1,876,698

PENCIL

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Fig. 1.

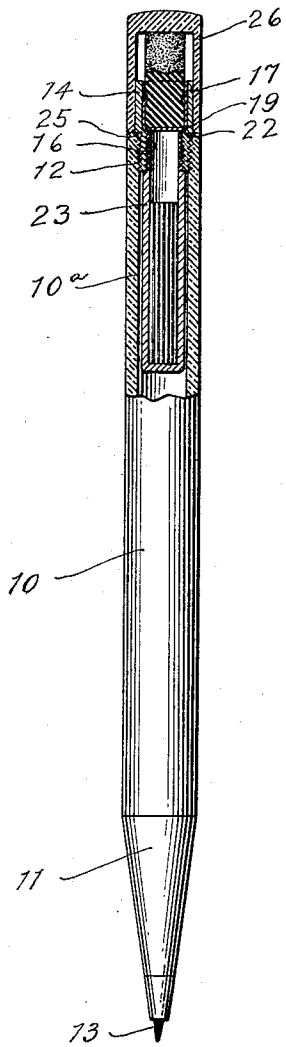
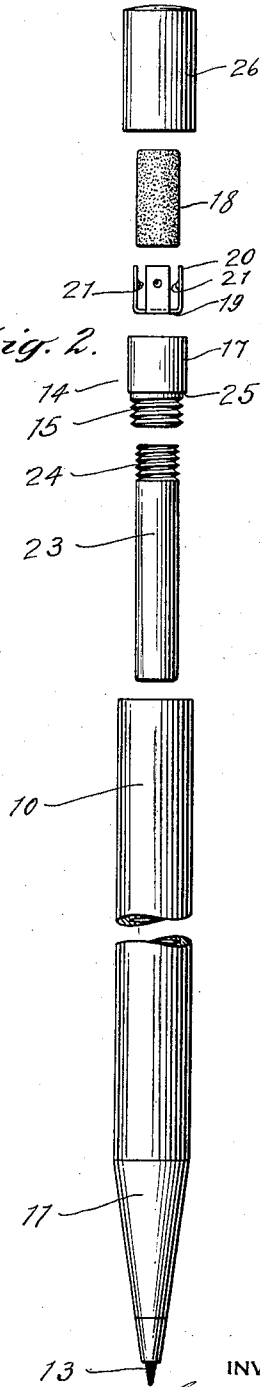


Fig. 2.



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UNITED STATES PATENT OFFICE

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PENCIL

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My invention more particularly relates to a combined eraser and magazine for leads.

My invention consists of certain novel parts and combination of parts particularly pointed out in the claims.

The following is a description of a pencil embodying my invention in the form at present preferred by me, but it will be understood that various modifications and changes may be made therein without departing from the spirit of my invention and without exceeding the scope of my claims.

My invention will best be understood by reference to the accompanying drawing, in which I have illustrated the preferred embodiment thereof, and in which Fig. 1 is a side view, partially in section, of a pencil embodying my invention, and Fig. 2 is an exploded view illustrating the parts particularly embodying my invention.

Like reference characters indicate like parts throughout the drawing.

Referring now to the drawing, 10 is a pencil the pointed end of which is indicated at 11, and the upper end of which is provided on its interior with screw threads as at 12. The lower end of the lead for the pencil is indicated at 13.

I have not illustrated the operating mechanism for the pencil, as the same constitutes no part of my present invention.

A hollow member 14 is preferably screw-threaded at one end both on its exterior, as at 15, and its interior, as at 16, the upper end of the member being preferably offset from the lower portion, as at 17, and adapted to receive an eraser 18. Preferably, the eraser is seated in a cupped metallic member 19, which is preferably formed from a stamped metal sheet with projecting tongues which are bent upwardly, as at 20, and each provided with an inwardly extending projection 21 which retains the eraser in position. The cupped member 19 containing the eraser is received in the offset portion 17 of the member 14, the lower end of the cupped member engaging a shoulder 22 formed on the interior of the member 14 between the offset portion and the screw-threaded portion.

An open-ended magazine 23 for leads is preferably screw-threaded at its upper end, as at 24, the latter engaging the interior screw threads 16 on the member 14.

When the parts are assembled by inserting the eraser 18 in the cupped metallic member 19, which is in turn inserted in the member 14, and the lead magazine 23 is inserted in the opposite end of the member 14, the member 14 is then inserted in the upper end of the barrel of the pencil, the member being screwed into the pencil barrel until an exterior shoulder 25 formed between the screw-threaded portion and the offset portion of the member 14 engages the top of the barrel of the pencil.

A cap 26 is adapted frictionally to engage the upper offset portion of the member 14 and form a closure for the eraser and the end of the pencil.

I claim:

1. In a pencil, a barrel adapted to carry a writing lead at its lower end, a member disposed at the upper end of the barrel, a magazine for spare leads normally disposed within said barrel below said member, means for detachably securing said magazine to said member, means on said member adapted to hold an eraser thereon so that it will extend beyond the end of the barrel, and means for detachably securing the member, with associated magazine and eraser, to the barrel.
2. In a pencil, a barrel adapted to carry a writing lead at its lower end, a member disposed at the upper end of the barrel and extending upwardly beyond said upper end, a magazine for spare leads normally disposed within said barrel below said member, means for detachably securing said magazine to said member, means on said member adapted to hold an eraser thereon so that it will extend beyond the end of the barrel, means for detachably securing the member, with associated magazine and eraser, to the barrel, and a cap frictionally engaging said member beyond the end of the barrel and covering said eraser.
3. In a pencil, a barrel adapted to carry a writing lead at its lower end, a member dis-

posed at the upper end of the barrel, a magazine for spare leads normally disposed within said barrel below said member, means for detachably securing said magazine to said member, means on said member adapted to hold an eraser thereon so that it will extend beyond the end of the barrel, and means for detachably securing the member, with associated magazine and eraser, to the barrel, and a cap frictionally engaging said member beyond the end of the barrel and covering said eraser.

posed at the upper end of the barrel and having threaded engagement therewith, a magazine for spare leads normally disposed within said barrel below said member and threaded thereto, and means for detachably securing said eraser to said member.

4. In a pencil, a barrel adapted to carry a writing lead at its lower end, a member disposed at the upper end of the barrel and having threaded engagement therewith, a magazine for spare leads normally disposed within said barrel below said member and threaded thereto, and means on said member adapted to hold an eraser thereon so that it will extend beyond the upper end of the barrel.

5. In a pencil, a barrel adapted to carry a writing lead at its lower end, a member disposed at the upper end of the barrel and having a tubular portion extending within the barrel and into threaded engagement therewith, and a magazine for spare leads normally disposed within said barrel below said member and extending within the tubular portion of said member and in threaded engagement therewith.

6. In a pencil, a barrel adapted to carry a writing lead at its lower end, a member disposed at the upper end of the barrel and extending upwardly therefrom, said member having a portion extending within the barrel and in threaded engagement therewith and also having a shoulder adapted to contact with the end of the barrel to limit movement of the member into the barrel, and a cap in frictional engagement with the portion of the member beyond the end of the barrel and in contact with said end of the barrel.

7. In a pencil, a barrel adapted to carry a writing lead at its lower end, a tubular member threaded into the upper end of the barrel and having a portion extending upwardly beyond the end of the barrel, a magazine for spare leads normally disposed within said barrel below said member and threaded within said member, and a shoulder within said member above said magazine and adapted to hold an eraser disposed in said member against downward movement.

8. In a pencil, a barrel adapted to carry a writing lead at its lower end, a tubular member threaded into the upper end of the barrel and having a portion extending upwardly beyond the end of the barrel, a magazine for spare leads normally disposed within said barrel below said member and threaded within said member, a shoulder within said member above said magazine and adapted to hold an eraser disposed in said member against downward movement, and a shoulder on the outside of said tubular member adapted to engage the end of the barrel.

9. In a pencil, a barrel screw-threaded on its interior and upper end, a hollow member provided at one end both on its exterior and

interior with screw threads, the external screw threads being adapted to engage the screw threads at the upper end of said barrel, and an open-ended magazine for leads provided on its exterior and adjacent to the open end with screw threads adapted to engage the screw threads in said member.

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