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CUSHIONED LEAD PENCIL

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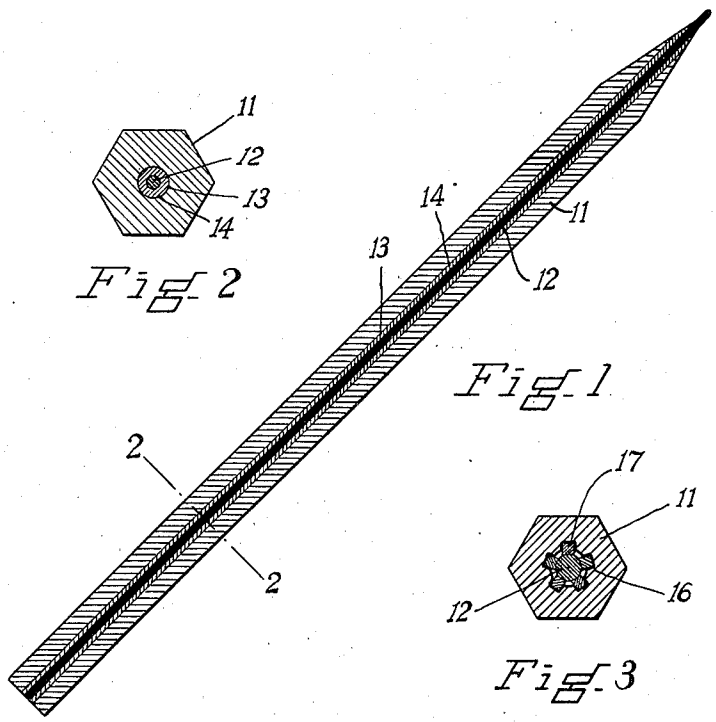


Fig. 2

Fig. 1

Fig. 3

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CUSHIONED LEAD PENCIL

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2 Claims. (Cl. 120—83)

This invention relates generally to writing implements such as commonly designated as lead pencils of either the standard wood or paper, or the mechanical type.

In such devices the writing medium or lead, is solidly mounted between sections of wood or encased in metal, plastic or other suitable material. The continued use of such devices over great periods of time, by authors, stenographers and the like causes fatigue, and quite often results in the breaking of the writing medium at the point where the same emerges from the mounting.

Therefore, the particular object of this invention resides in the new and novel means of supporting the writing stylus on a resilient, shock absorbing medium of any satisfactory composition or other useful material.

Since most writing styli are of round configuration and therefore extend over 360° it becomes obvious that this resilient support may take up all of the 360° or any part thereof.

Another object of this invention is to provide a writing implement giving great comfort to the user and one which will reduce fatigue when used for long periods.

A further object of this invention resides in the increased efficiency and utility of the device constructed in accordance with our invention.

A still further object of our invention is the provision of resilient features coacting with the mounting or supporting structure and the writing medium or stylus-proper.

Accordingly, the principal object of the present invention is to provide a writing device wherein the writing medium is either partially or completely resiliently mounted or supported. These and other objects of our invention will become more fully apparent from the specification and accompanying drawing, which discloses a preferred form of a pencil made in accordance with our invention.

In the drawing Figure 1 is a diagrammatic view of one form of pencil constructed in accordance with our invention.

Fig. 2 is a cross section along the line 2—2 of Fig. 1, and

Fig. 3 is a modified form of application of our invention.

In general our invention comprises an improved lead pencil. Referring particularly to Fig. 1 of the drawing, we use the usual form of cylindrical or polygonal body 11, such as is standard practice in the manufacture of lead pencils. This body we provide with a bore 14 of any suitable configuration and sufficiently large in diameter to accommodate the writing stylus 12 of graphite or whatever satisfactory material. It may be desirable, though not necessary, to hold the cross-sectional dimension of stylus 12 smaller in diameter than the bore 14.

This, as will be seen particularly by inspection of Figure 2 which is an enlarged cross-section thru Figure 1 along the line 2—2, will leave a void or space between the inner surface of the bore 14 and the outer surface of writing stylus 12.

In one form of practice of our invention we provide or embed the writing stylus 12 within a resilient mass or means 13 extending either partially or completely around the surface of stylus 12, filling in partially or completely the space or void existing between surfaces 12 and 14 in such a manner, so as to hold the stylus 12 securely but resiliently within the supporting structure 11.

It will be readily seen that a pencil manufactured in accordance with our invention will provide an article possessing superior features and in which the pressure which is ordinarily imparted upon the supporting structure 11 and the stylus 12 during the process of writing or drawing is compensated by the resilient mounting 13 of the stylus 12. This in addition to the fatigue reducing feature will greatly minimize the possibility of breaking of the writing point.

In Figure 3 of the drawing we show a modified form of a practice of our invention, being a cross-section and wherein the supporting structure 11 is provided with one or more chases 16 in which are mounted one or more elastic cushions or the like 17 for the purpose of resilient support of stylus 12 as previously described in connection with Fig. 1.

It should be understood that the herein described device is illustrative merely of the manner of carrying out our invention and is not to be construed in a limiting sense, as we contemplate any device properly within the scope of the appended claims.

We claim:

1. A pencil comprising a substantially rigid casing, a writing element lengthwise within the casing, and a plurality of resilient mediums within the casing intermediately of the casing and writing element and spaced circumferentially of the latter.

2. A pencil comprising a substantially rigid casing, a writing element lengthwise within the casing, and a plurality of resilient mediums within the casing intermediately of the casing and writing element and spaced circumferentially of the latter and substantially coextensive lengthwise with the writing element.

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