May 15, 1956 M. V. NELSON 2,745,198

MERCHANDISE DISPLAY CAP FOR MECHANICAL PENCILS

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Fig. 1

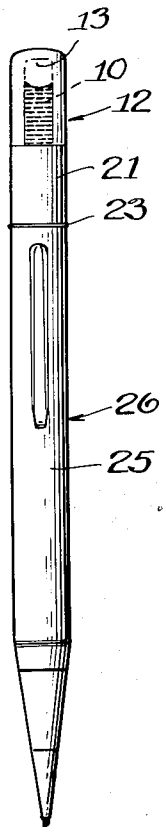


Fig. 2

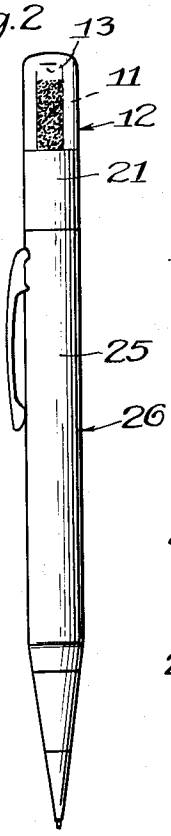


Fig. 3

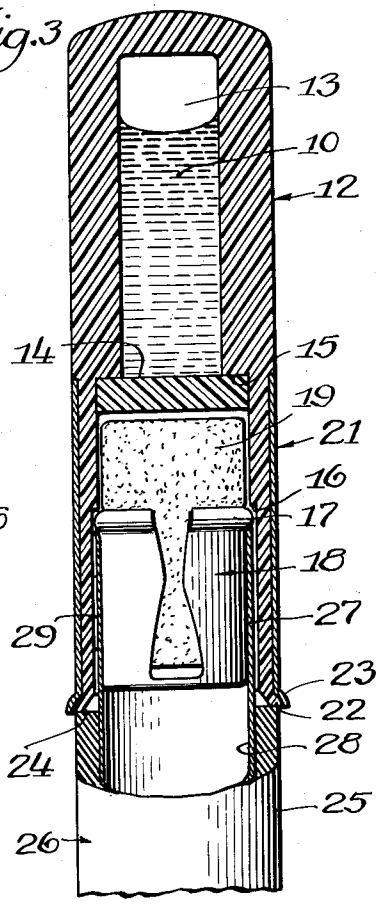
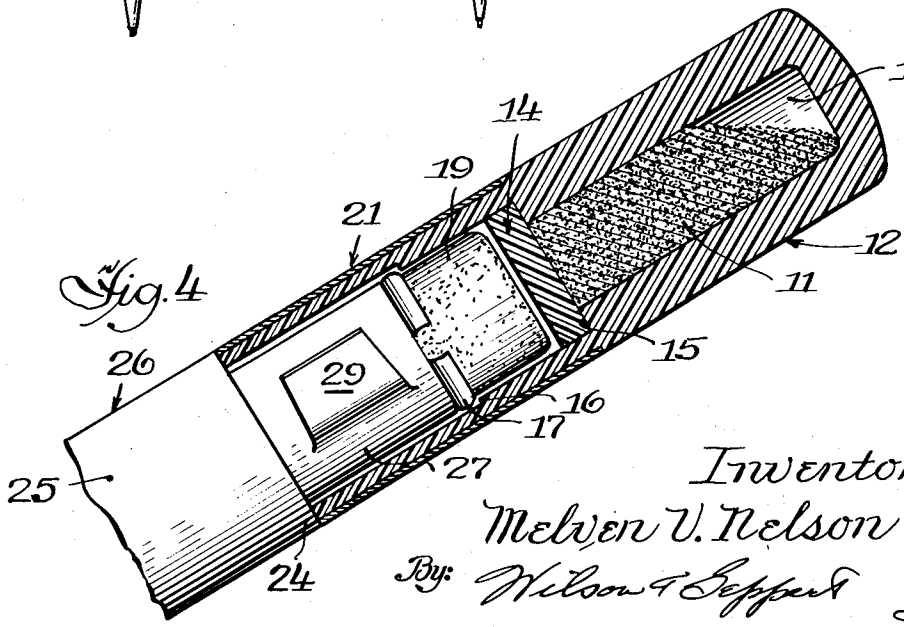


Fig. 4



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MERCHANDISE DISPLAY CAP FOR MECHANICAL PENCILS

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1 Claim. (Cl. 40—19)

The present invention relates to a novel merchandise display cap for a mechanical pencil in which the cap is transparent for visual display and provided with a cavity at one end forming a sealing enclosure for receiving and displaying any suitable merchandise such as either a liquid or flowable mass of solid particles or granular material, and at its other end adapted to receive and enclose the eraser of the pencil.

Among the objects of the present invention is the provision of a novel merchandise display cap for a mechanical pencil comprising a hollow capsule providing a most effective display means as well as a protective cap or enclosure for the eraser.

The present invention further comprehends the provision of a novel construction and assembly of a merchandise display cap including a hollow or recessed transparent capsule having a band of metal or the like encompassing the lower, open end of the capsule to provide for the display of suitable advertising or printed matter and for reinforcing the capsule.

Further objects are to provide a construction of maximum simplicity, efficiency, economy and ease of assembly and operation, and such further objects, advantages and capabilities as will later more fully appear and are inherently possessed thereby.

In the drawing:

Figure 1 is a view in front elevation of a mechanical pencil equipped with the novel display cap containing a liquid such as oil.

Fig. 2 is a view in side elevation of the pencil equipped with a similar display cap but containing flowable solid particles or granular material.

Fig. 3 is a fragmentary enlarged view in vertical or longitudinal cross section through the novel display cap and the adjacent upper end of the pencil to show the manner in which the eraser is received within the enlarged cavity or hollow lower end of the cap of Fig. 1.

Fig. 4 is a fragmentary enlarged view in vertical cross section of the display cap of Fig. 2 but with the pencil and cap disposed in an inclined plane and showing the position assumed by the flowable mass of solid particles or granular material in the capsule.

Referring more particularly to the novel display cap illustrated in the several views of the drawing, the only difference between the form or embodiment of Figs. 1 and 3 and that of Figs. 2 and 4, is that the cap of Figs. 1 and 3 is provided at its lower end with an outwardly flared portion and the encompassing metal band is provided with a ferrule tightly embracing this flared end portion. Although the embodiment of Figs. 1 and 3 is shown containing and displaying a liquid such as oil **10** and that of Figs. 2 and 4 is shown as containing and displaying a flowable mass of granular material or solid particles **11**, it will be evident that either a liquid or a flowable solid mass may be employed and sealed in either embodiment, depending upon the product of the particular manufacturer or advertiser to be displayed.

The display cap of the present invention comprises a transparent capsule **12** formed of any suitable plastic composition capable of withstanding the hard usage and abuse to which such a cap may be subjected in use, and to positively seal and maintain the contents against leakage. The contents to be received and displayed, whether an oil or other liquid **10**, or a flowable mass of solid particles or granular material **11**, is sealed within the cavity **13** at the upper or outer end of the capsule. Such sealing is effected by a closure or disc **14** conformably received in a shoulder or ledge **15** and cemented or adhesively affixed to the shoulder to assure a tight seal.

As shown in Figs. 3 and 4, the hollow interior of the capsule is provided with stepped enlargements formed by the shoulder, ledge or offset **15** and a second annular shoulder or offset **16** spaced from the shoulder or offset **15** and adapted to receive and form a stop for the bead **17** of an eraser bushing **18**, the exposed upper end of the eraser **19** being received within the capsule in the space beneath the sealing closure or disc **14** and between it and the shoulder or offset **16**.

The exterior of the capsule is reduced in diameter for approximately the lower half of its length to receive a band or sleeve **21** preferably of metal or material adapted to receive any suitable or desirable advertising matter. The lower open end of the capsule of Figs. 1 and 3 is flared at **22** and the band or sleeve **21** is provided at its lower end with a ferrule or bead **23** encompassing the flared portion. In Figs. 2 and 4, the lower end of both the capsule and of the band or sleeve are straight, but in both forms of the invention the lower end thereof abuts the upper end **24** of the barrel **25** of the pencil **26** with the head **27** of the pencil projecting upwardly into the capsule and at its upper end receiving the bushing **18** and its eraser **19**. This head is preferably formed integral or as the projecting end of a metal tube **28** conformably received and secured to or affixed in the hollow barrel **25**, and is provided with spaced spring tongues **29** projecting outwardly from the head **27** to provide an expanding gripping means tensionally engaging the adjacent interior wall of the cap and retaining the latter upon the pencil.

From the above disclosure, it will be apparent that the present display cap assembly provides a novel means and manner for receiving and displaying the contained liquid or flowable or shiftable mass of solid or granular particles, as well as a novel cap assembly for receiving and protecting the eraser of the pencil.

It is to be noted that the cavity of the capsule whether containing a liquid or solid or granular particles, is not completely filled therewith. A floating air bubble is provided in the liquid filler which shifts or moves as the pencil is moved to or held at different angular positions. Similarly, the flowable mass of solid particles or granular material when displayed in the present novel capsule, does not completely fill the cavity provided therefor so that this mass is mobile and may shift its position as shown in Figs. 2 and 4.

Having thus disclosed the invention, I claim:

A display cap detachably and frictionally mounted on and encompassing the upper end of a pencil and enclosing an eraser and its bushing in the upper end of the barrel of the pencil with the eraser exposed upon removal of the cap, said cap visably displaying a product contained therein and comprising a transparent cylindrical capsule providing a removable cap slidably and frictionally mounted on the eraser end of the pencil and removable therefrom to expose the eraser, the interior of the capsule being hollow to provide an upper display cavity and a lower enclosure for the eraser, its bushing and the adjacent upper end of the barrel, the interior of said capsule having spaced annular shoulders providing stepped enlargements with the upper shoulder located at the lower end of the cavity, the

upper cavity receiving and displaying a flowable mass partially filling the cavity and viewable through the transparent wall, a closure for the lower end of the display cavity and affixed to the upper shoulder in the interior of the cap to seal the cavity and its contents against leakage, the hollow interior of the cap below the closure conformably receiving and protecting the eraser on the upper end of the barrel with another of said shoulders being located below said closure and between it and the lower end of the cap to provide a stop for the upper end of the eraser bushing and locating the eraser within the hollow of the cap beneath the closure, the lower portion of the exterior of the cap from adjacent the closure to the lower end of the cap being reduced in diameter and provided with a band of non-transparent material tightly encompassing and reinforcing the end of the cap of reduced

thickness and concealing the eraser, its bushing and the adjacent upper end of the barrel.

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