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2,465,597

DETACHABLE CASING FOR CONSUMABLE ELEMENTS

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FIG. 1

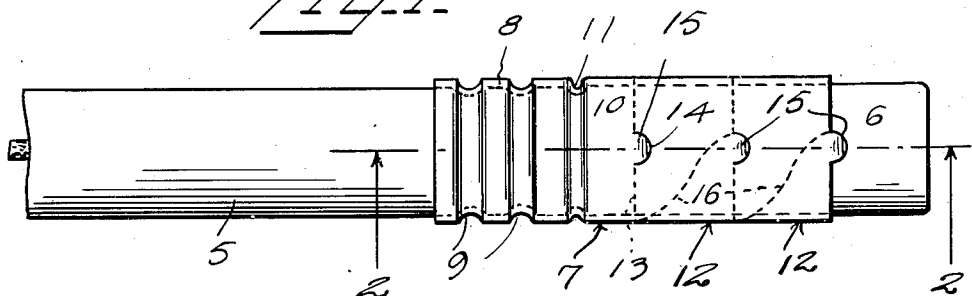


FIG. 2

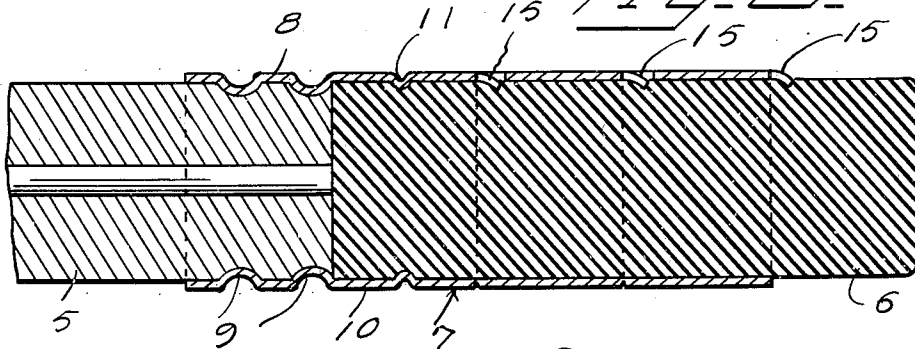


FIG. 3

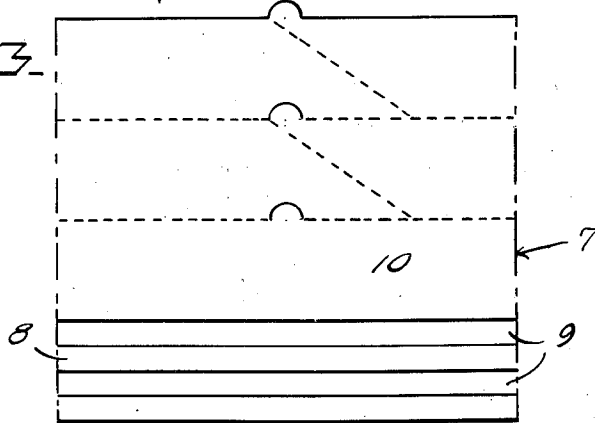
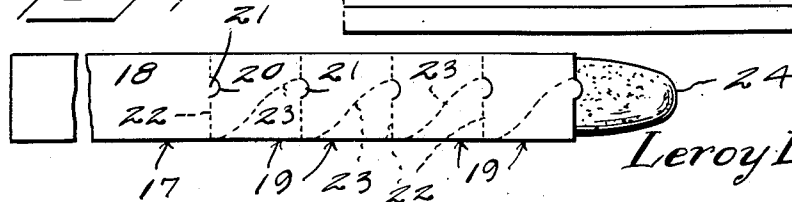


FIG. 4



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DETACHABLE CASING FOR CONSUMABLE ELEMENTS

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3 Claims. (Cl. 120—38)

1

This invention relates to a casing formed of detachable sections adapted for use with consumable elements such as erasers for pencils, grease marking pencils, lipsticks, crayons, belt dressing sticks or similar consumable elements, and has for a particular object to provide an improved construction of casing capable of being detached in sections as the element is consumed to leave only a limited portion of the element exposed and to provide a casing or holder which will protect the unexposed portion of the element against breakage or other injuries.

Another object of the invention is to provide a casing or holder of the aforescribed character of extremely simple construction and which may be formed of thin metal or plastic.

Still another aim of the invention is to provide a holder or casing having means forming a part of each of the detachable sections thereof for effectively anchoring the consumable element adjacent its exposed end to the casing; said anchoring means also functioning to facilitate removal of the detachable section of which it forms a part.

Various other objects and advantages of the invention will hereinafter become more fully apparent from the following description of the drawing, illustrating preferred embodiments, of the invention, and wherein:

Figure 1 is a fragmentary plan view of a portion of a pencil and showing one embodiment of the invention applied thereto for mounting an eraser on an end of the pencil;

Figure 2 is an enlarged longitudinal, substantially central sectional view taken substantially along a plane as indicated by the line 2—2 of Figure 1;

Figure 3 is a plan view of the blank from which the casing or holder of Figures 1 and 2 is formed, and

Figure 4 is a plan view of another form of the holder.

Referring more specifically to the drawing, and first with reference to the form of the invention as illustrated in Figure 1 to 3, for the purpose of illustrating this embodiment of the invention, a portion constituting one end of a conventional lead pencil 5 and a conventional type of eraser 6 is illustrated in Figures 1 and 2. The eraser 6 differs from the conventional eraser applied to an end of a lead pencil in that it is of a substantially greater length made possible by its being supported by the holder or casing, designated 7 and comprising the invention.

The casing or holder 7 is formed from a thin strip of sheet metal or may be formed of plastic

2

which is rolled into cylindrical form, as illustrated in Figures 1 and 2. The cylindrical holder 7 is open at its ends, and one end thereof, forming the portion 8, it is adapted to be applied over an end of the lead pencil 5. The portion 8 is provided with spaced annular indentations or inwardly extending ribs 9 which are imbedded in the outer part of the lead pencil 5 for anchoring the holder 7 thereto. The eraser 6 is disposed in the holder or casing 7 from the portion 8 to the opposite end thereof and has one end projecting outwardly from said opposite end of the holder and its opposite end abutting against the inclosed end of the pencil 5. The holder 7 includes a cylindrical portion 10, located adjacent the portion 8 and constituting a continuation thereof and in which the inner or butt end of the eraser 6 is contained and anchored by an annular indentation 11 in said portion 10 which is imbedded in the wall portion of the eraser 6 for effectively anchoring said eraser to the portion 10.

One end of the holder or casing 7 is composed of a plurality of individually detachable sections, each designated 12 and each of which is formed by scoring the holder 7 along a circumferential line 13 between the ends of an arcuate line 14 along which the holder 7 is completely cut through or severed and which is formed in the inner edge portion of each detachable section 12. An arcuate cut line 14 forms a tab 15 that projects from the outer edge of each section 12 and another forms a tab 15 that projects from the outer edge of the holder section 10. The tabs 15 are pressed inwardly, as seen in Figure 2, so as to be imbedded in longitudinally spaced portions of the periphery of the eraser 6 for combining with the indentation 11 to anchor the eraser in the holder 7 and to provide additional means for anchoring the eraser in each undetached section 12 and also just beyond the outermost undetached section 12. Each of the sections 12 is also provided with a scored line 16 which is a helix and extends from one end of the tab 15 of said section across a longitudinal line passing centrally through the tabs 15 and which terminates at the opposite scored line 13 of the section at a point angularly spaced a distance from the tab 15 thereof.

From the foregoing it will be readily apparent that the exposed end of the eraser 6 may be used in a conventional manner until it is worn down substantially to the outer edge of the outer detachable section 12. The protruding tab thereof is then bent outwardly and out of engagement with the eraser 6 and by exerting an outward pull

3

on the tab 15, said outer section 12 will be torn along its scored line 16 and thence along the scored line 13 connecting it to the next section 12, so that said outer section 12 may be entirely stripped and detached from the holder 7. It will then be readily apparent that the next tab 15 will be disposed beyond the new outer end of the holder 7 so that this operation can again be repeated when the eraser 6 is worn down to the next detachable section 12. Obviously, the number of detachable sections 12 may be varied, depending upon the length of eraser desired, and the width of the individual sections 12 may likewise be varied.

Another embodiment of the holder, designated 17, is illustrated in Figure 4 and which is adapted to be used with crayons, grease pencils, lipsticks, belt dressing sticks and other consumable elements of a similar nature. The holder 17 may likewise be formed from a thin sheet of metal or plastic which is formed in a cylinder and includes a shank end 18 forming the holder handle and which may be disposed around an end of a consumable stick 24 of any of the items previously mentioned. Likewise, if desired, the unexposed end of the stick 24, not shown, may extend only part way to the free end of the shank portion 18, which is preferably closed, so that a minimum of wastage will result, since the shank portion 18 may be utilized as a handle or holder when the stick 24 is substantially consumed. The remaining portion of the holder 17, in which a substantial portion of the stick 24 is encased, is composed of a plurality of detachable sections 19, each similar in construction to the sections 12 and which are cut along arcuate lines 20 to form the tabs 21 and scored along lines 22 and 23, corresponding to the scored lines 13 and 16, respectively, to enable the sections 19 to be individually detached in order from the outer to the inner ends thereof. The tabs 21 are preferably pressed inwardly initially for engagement with the stick 24 for anchoring said stick in the holder 17 in the same manner and for the same purpose as previously described in reference to the holder 7.

Various modifications and changes are con-

4

templated and may obviously be resorted to, without departing from the spirit and scope of the invention as hereinafter defined by the appended claims.

I claim:

1. A holder for consumable sticks or the like comprising a hollow substantially tubular casing adapted to engage closely around a portion of the stick and from one end of which an end of said stick projects, a portion of the casing extending to said end being formed of a plurality of individually detachable sections formed by scoring and severing the casing along a plurality of spaced, substantially circumferential lines and by scoring the individual detachable sections, formed by the aforementioned scored and severed lines, along helical lines extending between said first mentioned severed and scored lines whereby the outermost section may be torn away initially along its helical scored line and thereafter along a substantially circumferential scored line for stripping it from the remainder of the casing.

2. A holder as in claim 1, the severed portions of said first mentioned severed and scored lines being arcuate and forming a tab extending into the next outwardly disposed section of the holder and the outermost detachable section having a tab protruding therebeyond and adapted to be grasped to facilitate the tearing of the section along its scored lines for detachment thereof.

3. A holder as in claim 1, the severed portions of said first mentioned severed and scored lines being arcuate and forming a tab extending into the next outwardly disposed section of the holder, and the outermost detachable section having a tab protruding therebeyond, and said tabs being initially pressed inwardly and imbedded in the stick for anchoring the stick in the holder.

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