

N^o 3690



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COMPLETE SPECIFICATION.

“Improvements in Pencil Cases”.

I, EDUARD PENKALA, of 15, Franz-Josefsplatz, Agram, Croatia, in the Empire of Austria, Imperial Technical Contrroller, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

5 This invention relates to pencil cases of the kind wherein the lead is held in a socket or sheath inserted in the case which is provided with a pin or the equivalent extending into the inner end of the said socket or sheath so as to bear upon the rear end of the lead in such a manner that as the point of the said lead becomes worn a fresh portion can be exposed by pushing the
10 socket or sheath into the case.

My invention comprises improvements in pencil cases of this type and has for its object to so construct the same that the lead is automatically advanced as it becomes worn. To this end the aforesaid socket or sheath in which the lead is held is adapted, when the pencil is used for writing, to bear at its
15 lower end upon the surface being written upon whereby it is pushed into the case, by the pressure exerted in writing, and in so doing constantly exposes the point of the lead.

In the accompanying drawing, I have shown a suitable form of pencil case made according to the invention.

20 Figure 1 is a sectional elevation of the complete pencil case, and

Figures 2, 3 and 4 are sections on the lines A—B, C—D, and E—F respectively of Figure 1, drawn to a larger scale.

1 is the pencil holder which is made of any suitable material and is provided with the longitudinal hole or bore 2 extending partially through the
25 same and 3 is the metal sheath, socket or the like which is inserted in the said longitudinal bore 2. This sheath is formed with the narrow hole or bore 4 which receives at one end the lead 5 the point only of which projects therefrom and at the other end a wire 7 located in the bore 2 and the upper end of which is applied against the end 6 of the said bore. The lower end of the
30 sheath 3 is coned or pointed and this end, when the device is in use, is in contact with the surface upon which the pencil is being used, the actual lead 5, by reason of the inclination at which the pencil is held when the user is writing only projecting to an extent necessary for its proper use.

The pencil is employed in the usual way. Let it be assumed that a fresh
35 lead 5 has been introduced into the bore 4 of the sheath 3. On using the pencil the sheath, by reason of its contact with the surface of the paper or the like and of the pressure which is exerted by the user in writing, is pushed into the bore 2 in proportion as the lead is worn away until its inner end 8 comes into contact with the end 6 of the bore 2 of the case, which occurs when the
40 whole of the lead 5 has been used up. As the sheath 3 is pushed into the holder 1 the wire 7, which partially extends into the bore 4 of the said sheath and is always located between the lead 5 and the end 6 of the bore 2, exposes so much of the said lead 5 as is necessary for writing, that is to say, only the point thereof; the lead is of such a thickness that it does not require to be
45 pointed.

The lead proper 5 and the wire 7, are not liable to fall from the case when

[Price 8d.]



Penkala's Improvements in Pencil Cases.

writing or when the pencil is being freely handled, owing to the friction which exists between the surfaces in contact. The retention of these parts in position, however, can be ensured by coating the upper end of the lead 5 and of the wire 7 with wax so that they adhere to the parts in which they are placed.

Having now particularly described and ascertained the nature of my said 5 invention and in what manner the same is to be performed, I declare that what I claim is:—

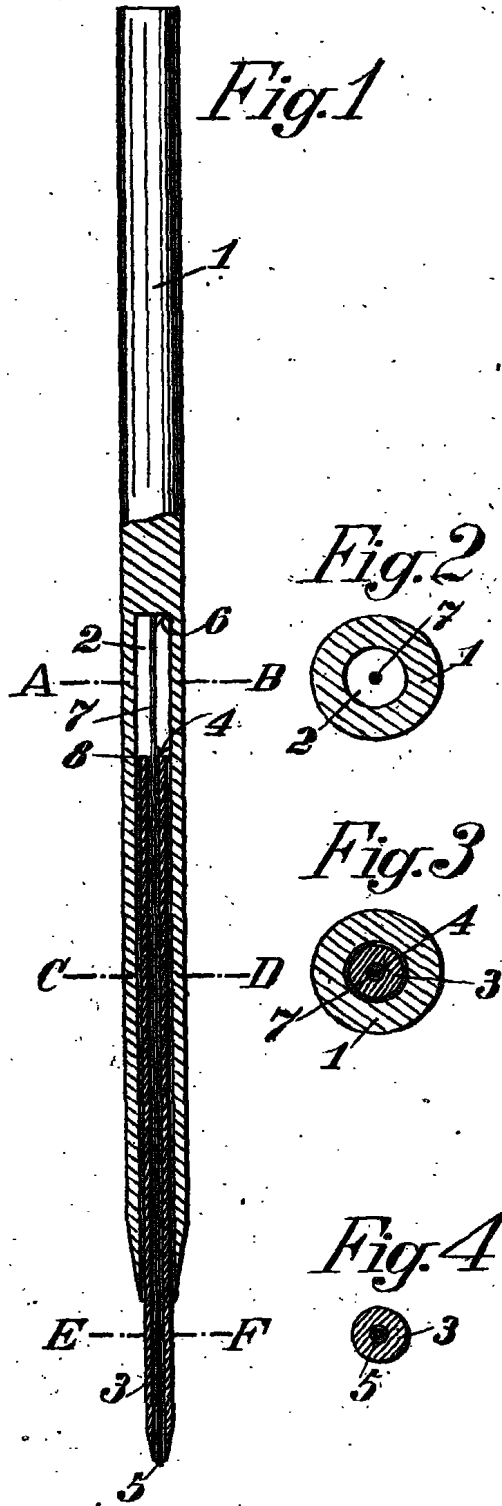
1. A pencil case having a sheath movable in a central hole or bore thereof and having a central hole or bore for containing the lead and a wire or the like the upper end of which bears against the end of the bore of the case, the 10 lower end of the said sheath being in contact with the surface being written upon and, by reason of the pressure exerted in the operation of writing, being pushed into the bore of the case as the lead is consumed, substantially as hereinbefore described.

2. The improved pencil case hereinbefore described and illustrated in the 15 accompanying drawing.

Dated the 14th. day of February, 1906.

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[This Drawing is a reproduction of the Original on a reduced scale.]



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