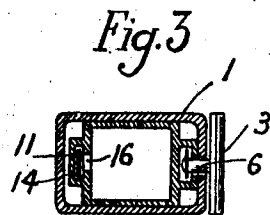
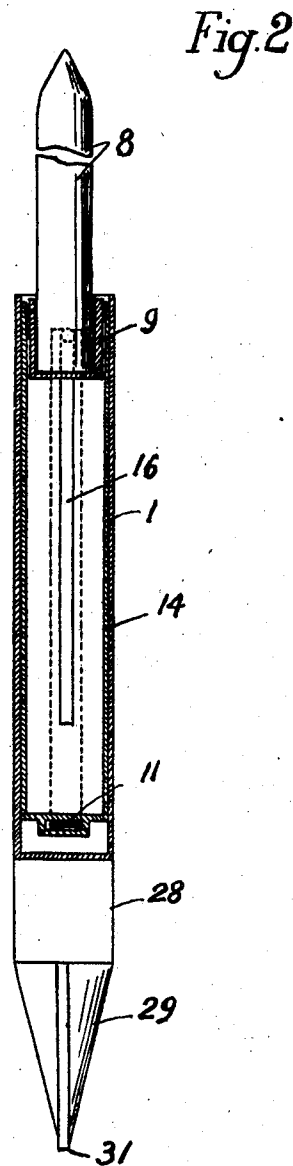
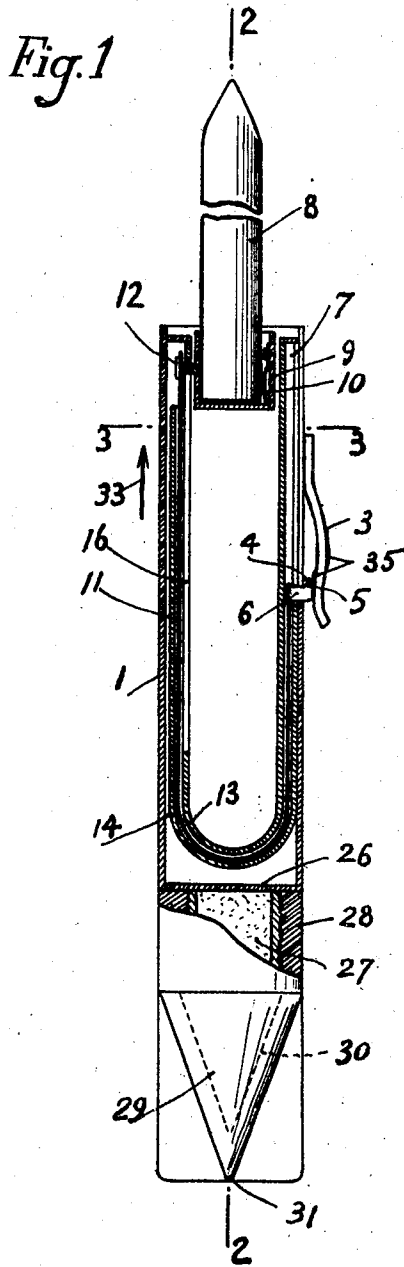


Sept. 16, 1930.

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SHEATH CRAYON HOLDER
Filed Feb. 14, 1930

1,776,098

2 Sheets-Sheet 1



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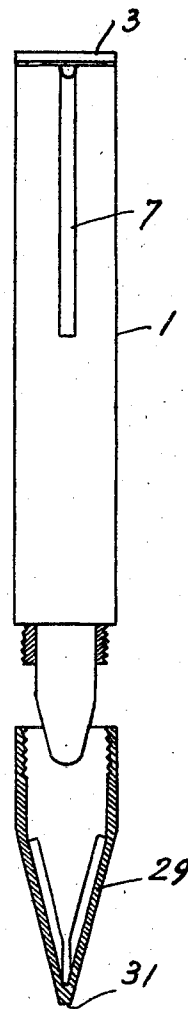
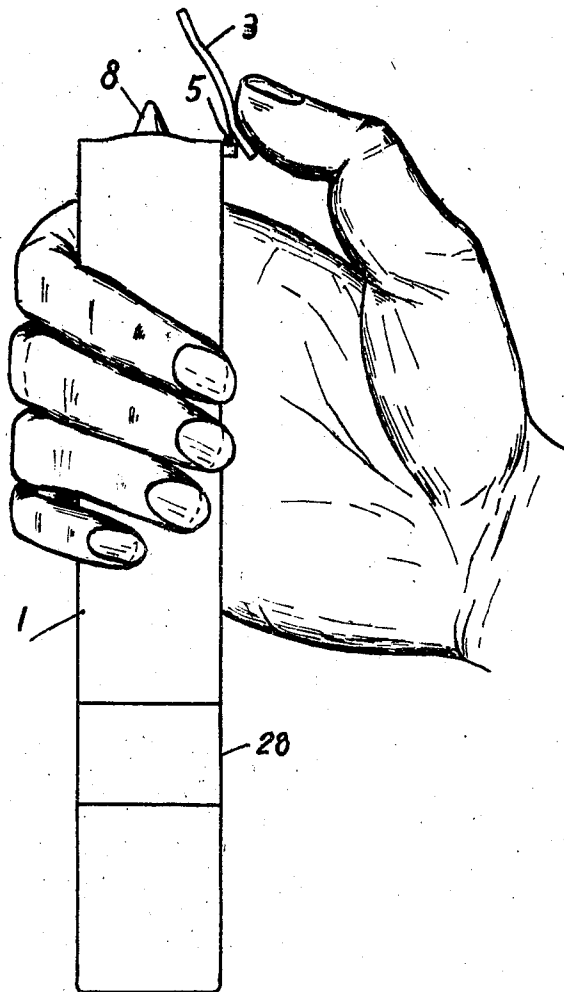
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2 Sheets-Sheet 2

Fig. 4

Fig. 5



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UNITED STATES PATENT OFFICE

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SHEATH CRAYON HOLDER

Application filed February 14, 1930. Serial No. 428,315.

The present invention relates to improvements in sheath holders for charcoal and other crayons and similar articles for drawing or other purposes.

5 More particularly, the object of the invention is to provide by a very simple construction a practical and easily manipulated sheath crayon holder.

10 An object is also to simplify the opening and closing of the sheaths of crayon holders as hitherto constructed.

A further object is to avoid any possibility of spoiling and breakage of the crayon or the like on opening and closing the sheath by 15 avoiding any possibility of contact between the crayon and the cover.

20 Finally an object of the invention is to produce a sheath crayon holder capable of being employed for other uses by the draughtsman.

A sheath crayon or the like holder for the above purposes has the features described in the following description and set forth particularly in the claims annexed to the end 25 thereof.

A sheath crayon or the like holder according to the preferred form of the invention is illustrated on the accompanying drawings, in which:—

30 Fig. 1 is an elevation of the sheath crayon holder open, the upper portion being in section.

Fig. 2 is a vertical section of the crayon holder sheath along the line 2—2 of Fig. 1.

35 Fig. 3 is a transverse section of the sheath crayon holder along the line 3—3 of Fig. 1.

Fig. 4 is a view showing the opening of the crayon holder for enabling it to be used for the purpose of making a drawing.

40 Fig. 5 is an elevation of the closed crayon holder ready for use as an eraser.

The sheath 1 of the crayon holder shown rectangular in cross section with rounded edges is closed by a cover 2 embossed at 3 45 against which the thumb of the user can be applied for opening such cover.

The cover 2 is pivoted at 4 to a plate 5 sliding along the face of the sheath 1 and provided with a stem 5 which itself slides in a 50 slot 7 in the sheath 1. The cover can thus

either close the sheath 1 (Fig. 5) or on the contrary open it (Fig. 4), the thumb of the user bearing then against the boss 3; in both cases the cover is maintained applied against the sheath 1 by a spring 35 enwrapping the 54 hinge 4 and bearing against the cover.

The crayon 8 is inserted in a cup 9 and held therein by small plate springs 10, the cup being slidable longitudinally of an inner tubular portion 13 mounted in the sheath 1 60 and provided with a slideway 14.

The connection between the cover 2 and the crayon 8 is provided by a band 11 arranged in the slideway 14 and secured on one side of the holder to the guide stem 6 of the slide 65 plate 5 and on the other side to a screw 12 screwed into the cup 9.

The band 11 is displaceable between the tube 13 mounted inside the sheath 1 and a 70 slideway 14 also secured inside the sheath 1, such arrangement ensuring the guidance of the band 11 on its displacement.

Two slots 15 and 16 are formed respectively in the slideway 14 and in the inner tube 13 which permit the guide stem 6 of the 75 cover 2 and the screw 12 of the cup 9 to slide freely.

The sheath crayon holder has at its lower end an externally screw threaded socket 25, which is secured by any suitable means, such 80 as soldering, on the base 26 of the sheath.

A rubber 27 is mounted in the socket 25 for erasing pencil or ink marks.

Finally on the socket is screwed by its internally screw threaded cylindrical portion 85 28, a truncated conical crayon sharpener 29, provided with blades 30 and having an aperture 31 for the escape of chips from the sharpened crayon.

The sheath crayon holder thus constructed 90 is used in the following manner: The draughtsman takes the closed sheath (Fig. 4) in the hand, applies the thumb to the boss 3 of the cover 2, which causes the cover to tilt in the direction of the arrow 32 about the 95 hinge 4, then the sliding of the whole cover 2 and slide plate 5 in the direction 34 along the face of the sheath 1, the guide stem 6 itself sliding in the longitudinal grooves 7 and 15 of the sheath and of the slideway 14. 100

The band 11 is thrust by the cover 2 during this movement and itself slides in the direction of the arrow 33 between the inner tube 13 and the slideway 14. The cup 9 participates in this movement and carries therewith the crayon 8 which thus is projected from the sheath 1. The sheath crayon holder is thus open and can be used by the draughtsman for the making of any drawing whatever.

In order to close the sheath 1 it suffices to carry out the above operations in the reverse direction.

The band 11 being positively connected to the cup 9 by the screw 12, draws the cup and the crayon 8 in the inverse direction to arrow 33; the crayon thus progressively recedes into the sheath without liability of coming in contact at any time with the cover 2 nor of being broken by such cover, the movements of the crayon 8 and of the cover 2 being simultaneous and opposite in direction.

The guidance of these various sliding movements is effected in a sure and precise manner by the band 11 sliding between the inner tube 13 and the outer slideway 14 and by the sliding of the stem 6 and of the screw 12 respectively in the grooves 7, 15 and 16.

It is to be noted that this movement is very convenient; the draughtsman can in fact effect it with one hand, without any difficulty.

It happens that after a certain time of use the crayon has need of being sharpened.

In such case the draughtsman has recourse to the crayon sharpener 28 which is located at the lower end of the sheath. For this purpose he unscrews the crayon sharpener which embraces the socket 25 applied to the bottom of the sheath 1 and uses it in the usual manner, that is to say by turning the crayon sharpener 28 with blades 50 on the crayon 13. The chips escape by the aperture 31.

Finally it may happen in the course of his work that the draughtsman may desire to make alterations in his drawing. In such case he can erase the incorrect work by using the rubber 27 which is mounted in the socket 25 at the lower portion of the sheath 1.

To summarize, by the present invention a very practical and very conveniently used sheath crayon holder is provided. This invention also avoids any possibility of the holder spoiling the crayon by the fact that the crayon can never enter into contact with the cover nor scrape against the sides of the sheath. Finally this invention enables the artist or draughtsman to have combined in a single article, indispensable accessories such as a crayon sharpener and rubber.

The above device has been described assuming that the invention is applied to a crayon holder. But the invention extends obviously to various mechanical details of the device, particularly to that connecting the cover 2 to the cup 9, in one or the other direction of dis-

placement, whatever be the nature of the article constituting the rod 8; in particular such rod instead of being a stick of crayon may be a lip-stick. The mechanism in such case still avoids any contact between the cover and the lip-stick and any spoiling of such stick thereby.

Claims:

1. In a sheath holder for a crayon, an outer sheath body having a slot, a slide displaceable along the slot, a cover mounted on the slide so that the cover can slide along the sheath, and connecting means interposed between the cover and the rod so that said rod issues from the sheath or recedes thereinto according to the direction of displacement of the cover.

2. In a sheath holder for a crayon, an outer sheath body having a slot, a slide displaceable along the slot, a hinge provided on the slide, a cover pivoted on said hinge and having a boss which enables the cover to be slid along the sheath then to tilt easily about the hinge for closing the mouth of the sleeve, and connecting means interposed between the cover and the rod so that said rod issues from the sheath or recedes thereinto according to the direction of displacement of the cover.

In testimony whereof I have signed this specification.

RAYMOND BARBAS.