G. A. TUCKER.

CRAYON HOLDER.

APPLICATION FILED NOV. 30, 1909.

955,617. Patented Apr. 19, 1910.

FIG. 1.

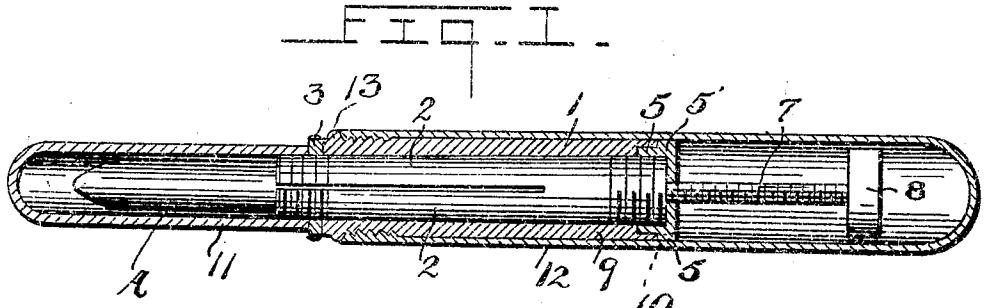


FIG. 2.

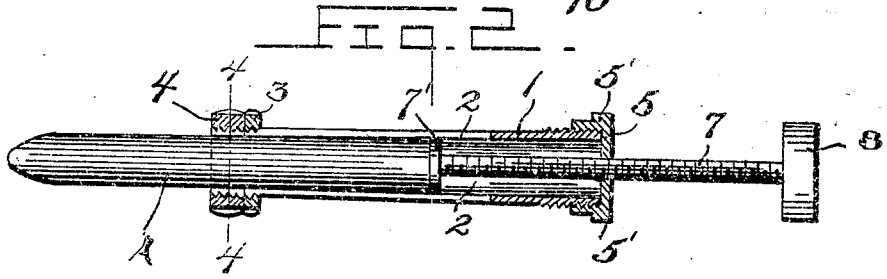


FIG. 3.

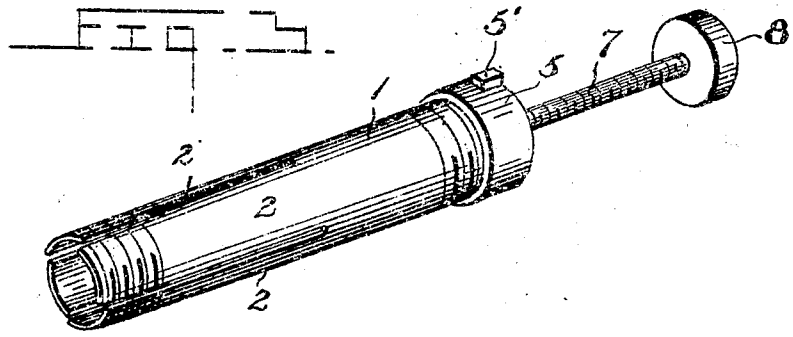
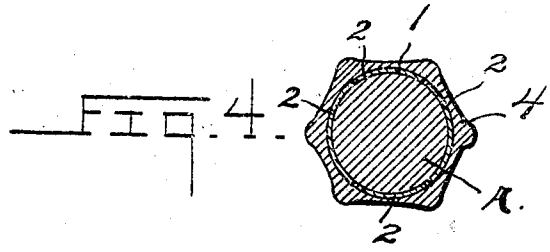


FIG. 4.



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UNITED STATES PATENT OFFICE.

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CRAYON-HOLDER.

955,617. Specification of Letters Patent. Patented Apr. 19, 1910.

Application filed November 30, 1909. Serial No. 530,531.

To all whom it may concern:

Be it known that I, GEORGE A. TUCKER, a citizen of the United States, residing at Apalachicola, in the county of Franklin and State of Florida, have invented certain new and useful Improvements in Crayon-Holders, of which the following is a specification.

This invention relates to new and useful improvements in crayon holders and has for its object to provide a device of this class wherein the crayon may be adjusted outwardly from one end of the holder as the same is used, and may be securely held in its adjusted position.

A further object is to provide a crayon holder, which is inclosed within an outer casing when not in use so that the same may be conveniently carried within the pocket.

With these and other objects in view, the present invention consists in the combination and arrangement of parts as will be hereinafter more fully described and more particularly pointed out in the appended claim, it being understood that changes in the specific structure shown and described may be made within the scope of the claim, without departing from the spirit of the invention.

In the drawings Figure 1 is a longitudinal section through my improved crayon holder, the inclosing casing being shown thereon, Fig. 2 is a similar view with the outer casing removed illustrating the manner of adjusting the crayon in the barrel. Fig. 3 is an enlarged perspective view of the crayon holding barrel and adjusting screw, Fig. 4 is a transverse section on the line 4—4 of Fig. 2.

Referring to the drawings, 1 indicates a cylindrical tube or barrel which is preferably constructed of steel. The end of the barrel 1 is split to form four transversely arcuate plates 2 which act in the nature of metallic springs and bear upon the chalk or crayon which may be contained within the barrel. Two of the plates 2 are in opposed relation to each other and are inclined inwardly toward the longitudinal center of the barrel and are of greater spring tendency than the remaining plates. Each of the plates 2 are provided with screw threads to receive a screw threaded collar 3 and the clamping nut 4 which is adapted to hold the plate 2 in secure engagement with the chalk. The rear end of the barrel is also provided with external screw threads to receive the cap 5, which is provided with oppositely disposed projections 5′ by means of which the same may be readily unscrewed from the barrel when desired.

Centrally disposed within the barrel 1 and extending longitudinally thereof, is the screw threaded adjusting rod 7 upon one end of which is formed a plunger head 7′ of such diameter that it is adapted to have sliding contact with the inner periphery of the barrel 1, whereby the chalk may be forced from the open end thereof. The rod 7 extends through the cap 5 in which it has threaded engagement and is provided at the other end thereof with the adjusting knob 8 by means of which the rod is threaded into or out of the barrel 1.

When it is not desired to use the holder, the sleeve 9 is disposed slidably on the barrel 1, and is held against longitudinal movement between the collar 3 and the cap 5, one end of said sleeve having slots 10 formed at diametrically opposite points to receive the lugs 5′ formed on the cap 5. The nut 4 is removed from the end of the barrel, and the point cover 11 which is provided with internal threads is screwed upon the end of the barrel 1. The adjusting rod is now threaded into the end of the barrel a sufficient distance so that the outer casing 12 may be placed over the sleeve 9, the end of which has threaded engagement with the threads formed upon the outer periphery of the sleeve 9. A bead 13 is also formed upon the sleeve 9 and is adapted to limit the movement of the outer casing 12.

It will be seen that when the adjusting rod 7 is threaded into the barrel, the chalk or crayon A contained therein is adjusted out of the open end of said barrel into the cover 11. The chalk, however, is held by means of the spring members 2, so that the movement will be checked when the inward movement of the adjusting rod ceases.

With the parts assembled as above described it will be seen that a cylinder of chalk of practically constant length may be provided and may be conveniently carried in the vest pocket where it is always at hand for instant use.

When it is desired to use the crayon for marking purposes, it is only necessary to remove the cover 11, exposing the crayon. For adjusting the length of the crayon the outer casing 12 is first removed, the tube 11 and collar 3 are also removed from the outer

end and the sleeve 9 may then be slipped off of the barrel 2, though this may not be necessary. The crayon within the barrel may be projected from the open end thereof by proper rotation of the rod 7 as described, after which the nut 3 is threaded upon the members 2 until the crayon is securely clamped in the barrel. When fresh crayon is inserted in the barrel 1, it is necessary to remove the cap 5 from the rear end thereof. The crayon is now placed within the barrel and is forced from the open end thereof, when the cap may be readjusted in position. The head 7′ of the adjusting rod 7 is of course disposed in contact with the rear end of the crayon and the milled head 8 manipulated until the proper length of crayon protrudes from the open end of the barrel. When the first portion projected is used up the adjusting rod is threaded inward to present a fresh marking portion until the crayon has been entirely consumed.

Thus it will be seen that I have provided a crayon holder wherein the chalk will be securely held in position when it is desired to use the same, and may be rapidly adjusted in the tube or barrel so that the same may be always ready for instant use. The parts comprising my improved holder are very few and of extremely simple construction, which are very quickly assembled or disassembled. The sleeve 9, cover 11, and outer casing 12 are all to be made of aluminum, whereby the device is rendered extremely light, so that the same may be quickly handled.

The nut 4, cap 5 and adjusting rod 7 are preferably constructed of brass, though it will of course be understood that the same may be formed of any other material applicable to the purposes for which the same are designed.

The barrel 1 would preferably be formed of sheet steel to secure the proper resiliency of the plates 2.

After the crayon has been properly adjusted from the end of the barrel, the sleeve 9 and the outer casing 12 may be replaced to provide a smooth surface by which the holder may be firmly grasped and manipulated.

When the parts are assembled as shown in Fig. 1, the recesses 10 formed in the end of the barrel 9 receive the lugs 5′ formed upon the cap 5, and when the casing 12 is removed for the purpose of adjusting the crayon from the end of the barrel, any rotative movement of the cap and barrel will be prevented.

It will be understood that the crayon may be of any convenient size and that the proportions of the various parts may be altered without materially effecting the construction or operation of the holder.

Having thus described my said invention, what I claim as new and desire to secure by United States Letters Patent is:

A holder of the character described comprising a hollow split barrel, a clamping nut adapted to have threaded engagement with one end of said barrel, a cap upon the other end of said barrel, lugs integrally formed with said cap at diametrically opposite points, an adjusting rod threaded through said cap, said rod having a plunger head upon its inner end, a collar disposed upon said barrel, a cylindrical sleeve surrounding said barrel and extending between said cap and said collar, said sleeve having recesses formed in one end thereof adapted to receive the lugs formed upon said cap, a tube provided with internal screw threads adapted to be threaded upon the split end of said barrel, and a casing disposed over said barrel in threaded engagement with sleeve.

In testimony whereof I affix my signature, in presence of two witnesses.

GEORGE A. TUCKER.

Witnesses:
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