Dec. 25, 1951 W. N. HERBERT ET AL 2,580,092

POINTER FOR FUSIBLE CRAYONS, CANDLES AND THE LIKE

Filed April 25, 1950

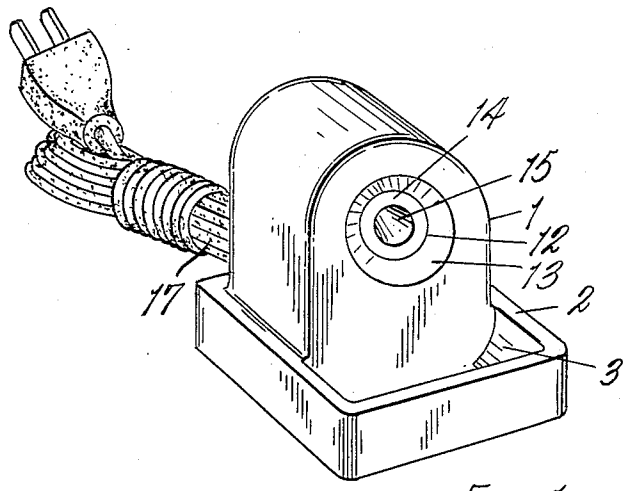


FIG. 1

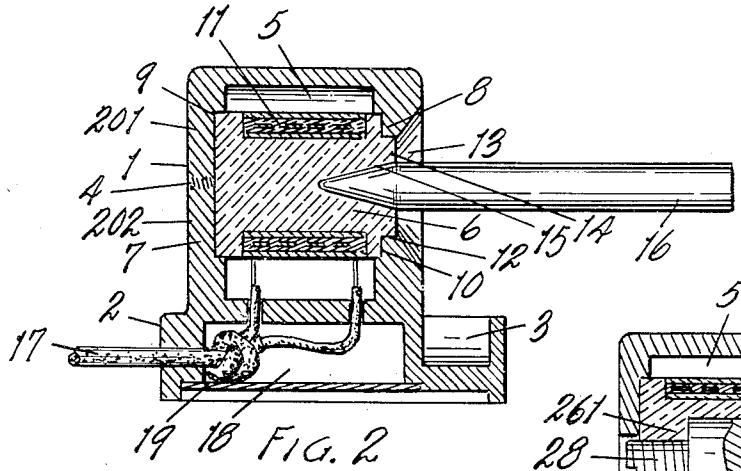


FIG. 2

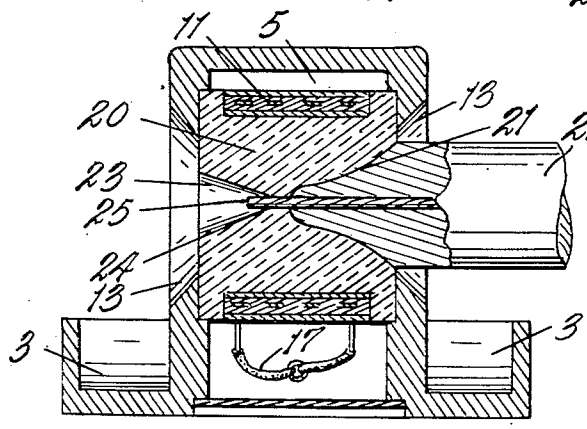


FIG. 3

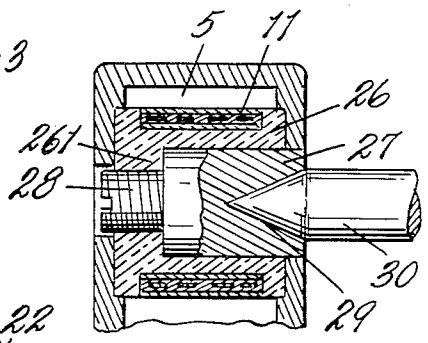


FIG. 4

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Patented Dec. 25, 1951

2,580,092

UNITED STATES PATENT OFFICE

2,580,092

POINTER FOR FUSIBLE CRAYONS, CANDLES AND THE LIKE

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Application April 25, 1950, Serial No. 157,856

6 Claims. (Cl. 219—19)

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This invention relates to improvements in pointer for fusible crayons, candles and the like.

The main objects of this invention are:

First, to provide a pointer for fusible crayons such, for example, as those formed of colored wax or pigment bearing wax, in which the crayon is effectively pointed without cutting or shaving away any of the material.

Second, to provide a device for pointing fusible or plasticizable crayons, candles or the like, the use of which results in uniform points or tips.

Third, to provide a device of the above stated character which may be economically produced and is highly efficient for the purpose.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a perspective view of a pointing device embodying our invention.

Fig. 2 is a vertical central section thereof, a crayon being shown in full lines, the wiring being also indicated in full lines.

Fig. 3 is a vertical section of a modified form or embodiment of my invention adapted for the pointing of candles as well as crayons.

Fig. 4 is a fragmentary view mainly in vertical section of a modified form or embodiment of our invention as embodied in a crayon pointer.

The embodiment of our invention illustrated in Figs. 1 and 2 comprises a body member 1 provided with an integral base 2 having a trough 3 at one end thereof. This body member is desirably formed of plastic and is shown in one piece but in practice it would be made up of sections 201 and 202 joined together by a fused joint as indicated at 4. The chamber 5 is of such dimensions as to receive the shaper member 6 desirably formed of insulating material. The opposed walls 7 and 8 of the body member have recesses 9 and 10 therein receiving the ends of the shaper member. The shaper member illustrated is spool-like in shape and has a heating element 11 of the resistance type wrapped around the same. The wall 8 of the body member has an opening 12 therein flared outwardly at 13, this opening being aligned with the recess 10 in the wall and receiving the reduced end 14 of the shaper member. The shaper member has a conical recess 15 adapted to receive a crayon 16.

The circuit connections for the heating element 11 are indicated at 17, the body member being provided with a chamber 18 closed by the plate 19. The circuit connections to the heating element are formed before the casing is closed. One of the purposes in thus forming the casing is to prevent children or others contacting or disturbing the heating element. In use the current is turned on to the heating element and the shaper heated to such temperature as will fuse the crayon to be pointed. The crayon is then inserted in the recess 15 and manipulated back and forth with rotative movement which results in the partial fusing or plasticizing of the tip portion of the crayon and in effect molds it into the desired point.

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The diameter of the shaper cavity 15 at its outer end is desirably approximately the diameter of the crayon or candle or other object to be pointed. This prevents the fused material from flowing out of the recess and retains it to properly mold into the point. The trough 3 is provided so that in the event the crayon or other object is unskillfully manipulated and the material allowed to flow out of the recess it will be caught by the trough; however, a little experience soon enables the effective pointing of crayons or the like without this occurring and without loss of material.

It is contemplated that the economical procedure is to point a number of crayons after the shaper becomes properly heated, for example this work may be done by a janitor or caretaker in schools or the like.

In the modification shown in Fig. 3 the shaper 20 is provided with one shaping recess 21 adapted to receive work such as a candle 22. The other end of the shaper is provided with a recess 23 adapted to receive a crayon. The recesses 20 and 23 are connected by the opening 24 through which the wick 25 may extend. In this case the recess 21 is shaped to produce a concaved taper.

In the embodiment shown in Fig. 4 the shaper 26 is provided with a metal core 27 which is secured in the insulating block portion 261 of the shaper by means of the screw 28. The screw 28 is formed integrally on the metal core 27 and threadingly engages the hole provided therefor in the insulating block 261. The shaping recess 29 is formed in the metal core 27 and is adapted to receive crayons or other work indicated at 30.

The device of our invention not only enables the effective pointing of work formed of fusible or plasticizable material but it results in a very

substantial saving of material as substantially none of the material is cut away and substantially none of it is lost when the device is used with reasonable skill. It results in repointing or reshaping of the work.

We have illustrated and described our invention in highly practical embodiments thereof. We have not attempted to illustrate or describe other embodiments or adaptations which we contemplate as it is believed that this disclosure will enable those skilled in the art to embody or adapt our invention as may be desired.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent, is:

1. A pointer for fusible crayons, candles and the like comprising a chambered body member provided with a supporting base portion, opposed walls of the chamber having aligned inwardly facing recesses therein, one of the recessed walls having an opening to the outer side thereof therein aligned with its recess, a shaper member of insulating material disposed with its ends in said opposed recesses in said body member walls and having a reduced portion projecting into the said opening in the said one wall, the end of said shaper member disposed in said opening having a conical work receiving recess therein, and a heating element disposed around said shaper member for heating the same, said base having a trough disposed below the said wall opening.

2. A pointer for fusible crayons, candles and the like comprising a chambered body member, opposed walls of the chamber having aligned inwardly facing recesses therein, one of the recessed walls having an opening to the outer side thereof therein aligned with its recess, a shaper member of insulating material disposed with its ends in said opposed recesses in said body member walls, the end of said shaper member disposed in said opening having a conical work receiving recess therein, and a heating element disposed around said shaper member for heating the same.

3. A pointer for plasticizable crayons, candles and the like comprising a chambered body member provided with a supporting base portion, opposed walls of the chamber having aligned inwardly facing recesses therein, one of the recessed walls having an opening therein, a shaper member of insulating material disposed with its ends in said opposed recesses in said walls and having a conical recess therein exposed through said body member, and a heating element disposed around said shaper member for heating the same.

4. A pointer for fusible material comprising a body member having an opening therein, a shaper member disposed within said body member and having a continuous smooth walled conical work receiving recess tapering to a small pointed end adapted to receive an element to be pointed, and a heating element operatively associated with said shaper member for heating the same, said heating element having capacity to heat said shaper member and the surface of the work recess therein to a temperature to melt and liquefy the surface of the work.

5. A pointer for fusible crayons, candles and the like comprising a chambered body member, a shaper member mounted within said body member and having a smooth walled conical work receiving recess therein tapering to a small pointed end, said body member having an opening therein affording access to said recess in said shaper member, and a heating element for said shaper member, said heating element having capacity to heat said shaper member and the surface of the work recess therein to a temperature to melt and liquefy the surface of the work.

6. In a pointer for plasticizable crayons, candles and the like, the combination of a shaper member having an exposed smooth walled conical work recess therein tapering to a small pointed end, and a resistance heating element operatively associated with said shaper member for heating the same, said heating element having capacity to heat said shaper member and the surface of the work recess therein to a temperature to melt and liquefy the surface of the work.

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