

- [54] **STYLUS FOR WAX WRITING, GOLD SCROLLING AND THE LIKE**

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- [58] **Field of Search** 401/1, 2, 258-260,
401/265-726, 290; 248/302, 303, 360

- [56]
- References Cited**

UNITED STATES PATENTS

- | | | | |
|-----------|--------|------------------------|-----------|
| 410,330 | 9/1889 | Porterfield et al..... | 401/1 |
| 1,135,523 | 4/1915 | Henderson..... | 248/302 X |
| 1,528,142 | 3/1925 | Bourquin..... | 401/259 |
| 1,815,589 | 7/1931 | Saachy..... | 401/1 X |
| 3,385,954 | 5/1968 | Rabinowitz et al. | 401/2 X |

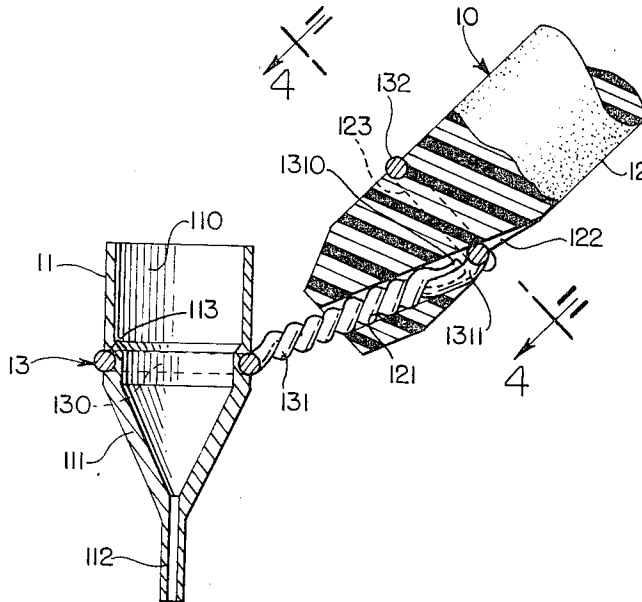
2,947,505 8/1960 Sheets.....248/302 X

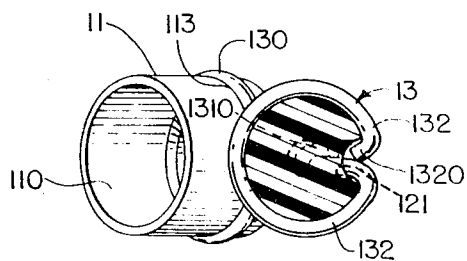
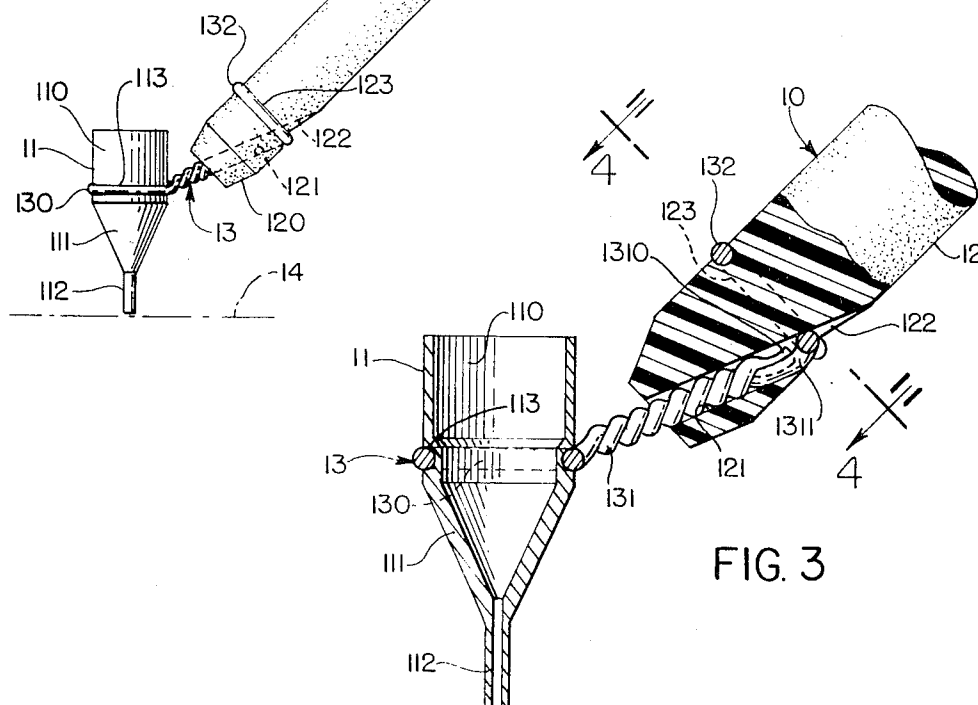
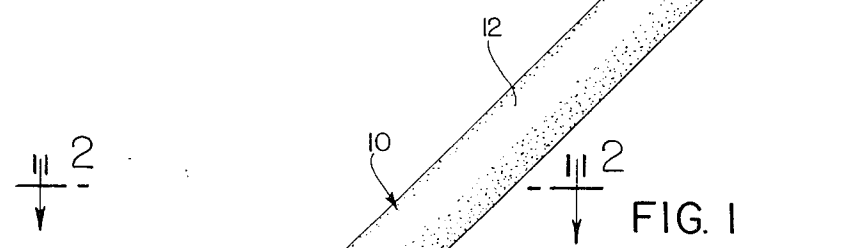
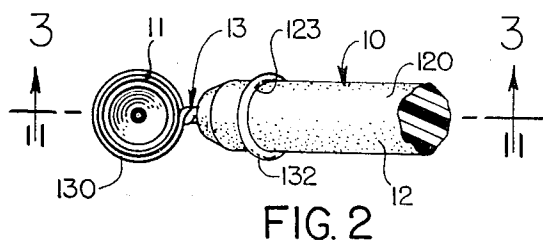
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[57] **ABSTRACT**

An improved stylus for wax writing on eggs, fabric and paper, for liquid gold and other color scrolling on ceramics, and for other uses in the fine arts consisting of a reservoir scribing head including a cylindrical reservoir open at its upper end and formed conical shaped at its lower end terminating in a hollow depending scriber point through which molten wax, liquid gold, india ink or the like flows during contact with the article being scribed when the stylus is in use. The scribing head is secured firmly in spaced relationship to the lower end of a preferably plastic shaft by means of a looped and partially twisted wire extending into and through a diagonal bore in the lower end of said plastic which permits heating of the scribing head for melting wax and scooping it therein whereby to charge the scribing head for wax writing use.

3 Claims, 4 Drawing Figures





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STYLUS FOR WAX WRITING, GOLD SCROLLING AND THE LIKE

BRIEF SUMMARY OF THE INVENTION

The improved stylus consists of a scribing head formed with an upper cylindrical cup or reservoir for liquid wax or the like having a conical lower end terminating in a hollow central depending scribing point, the said scribing head having an anchorage wire receiving groove therearound preferably located at the lower portion of the reservoir. A suitable preferably plastic shaft or handle is provided having a diagonal bore preferably beginning at the center of the lower end thereof and extending diagonally upwardly therefrom and extending outwardly through the lower side thereof. A wire receiving anchorage groove is formed around the periphery of the plastic shaft which intersects the said diagonal bore as it breaks through the lower side of the plastic shaft. To provide an effective and positive securement of the scribing head in spaced relationship to the lower end of the plastic shaft, an annealed steel wire is looped around the scribing head, is twisted and telescoped firmly into the bore at the lower end of the plastic shaft. An untwisted end of the said anchorage wire extends outwardly from one side of the break-through of the diagonal bore of the plastic shaft, is wrapped around the intersecting anchorage groove thereat, and has its free end hooked into the wall of the plastic shaft at the other side of the said break-through.

BRIEF DESCRIPTION OF THE DRAWINGS

In the drawings:

FIG. 1 is a side elevational view of a stylus of the invention disposed in the attitude it assumes when it is held during use;

FIG. 2 is a fragmentary top elevational view taken on the line 2—2 of FIG. 1;

FIG. 3 is an enlarged cross sectional view taken on the line 3—3 of FIG. 2; and

FIG. 4 is a sectional view taken on the line 4—4 of FIG. 3.

DESCRIPTION OF THE PREFERRED EMBODIMENT

The particular stylus 10 for wax writing, gold scrolling and the like is shown in FIG. 1 of the drawings in the position of use and consists in general of a scribing head 11, a shaft or handle 12, and an improved wire securing means 13 fixing the scribing head firmly on and extending from the lower end of the shaft 12. In use, the shaft 12 is held in the hand of the user in a manner generally similar to that employed in writing or drawing with a pencil or pen, the scribing head 11 being positioned normal or substantially normal to the surface 14 of an item being wax written or scrolled.

The scribing head 11 is preferably formed of brass or other heat retaining material, and consists of an upper cylindrical reservoir 110 having a lower conical portion 111 terminating in a hollow central depending scribing point 112. The outer periphery of the scribing head 11 is preferably grooved at 113 near the bottom of the upper reservoir 110 to accommodate the lower loop 130 of the wire securing means 13.

The shaft or handle 12 is preferably formed of a suitable plastic or hard wood having its lower end formed frusto-conical in shape at 120, and is provided with a diagonally upwardly disposed bore 121 starting centrally of the said lower frusto-conical end 120 and extending diagonally upwardly therefrom, breaking through the lower side of the said shaft 12 at 122. The said shaft 12 is provided with a wire anchorage groove 123 to accommodate the upper wire anchorage loop 132 as hereinafter described in detail.

Referring now particularly to FIGS. 3 and 4, the preferably annealed steel wire securing means 13 is first firmly looped at 130 in the groove 113 of the scribing head 11. The said wire securing means 13 is then tightly twisted into a twisted wire arm at 131 having a diameter that will permit it to fit snugly and firmly when the said twisted wire arm 131 is manually telescoped within the diagonally upwardly disposed bore 121

of the shaft 12. The twisted wire arm 131 of the wire securing means 13 extends below the frusto-conical lower end portion 120 of the shaft 12 a sufficient distance to suitably space the scribing head 11 from the shaft or handle 12. One strand 1310 of the twisted wire arm 131 is cut off so that it terminates within the diagonally upwardly disposed bore 121 in the handle 12, while the other strand 1311 of the twisted wire 131 extends through the bore 121 of the shaft 12 and is formed into an upper wire anchorage loop 132 which is positioned into the wire anchorage groove 123 in the shaft 12 and has its otherwise free end 1320 hooked in anchorage relationship within upper end or break-through portion of the diagonally disposed bore 121 in the shaft or handle 12.

In using the improved stylus for wax scrolling, the head of the stylus is preferably heated in a candle flame or the like for 10 to 15 seconds, and is immediately placed sideways into a block of suitable scrolling wax such as beeswax. When the wax around the stylus head has melted, liquid wax is scooped-up into the reservoir of the scribing head. The hollow scribing point is wiped clean with a suitable cloth, and the stylus is held manually by its handle in the manner of writing with a pencil with the scribing point in a substantially vertical position. The wax writing can now begin by causing the stylus to glide slowly over the egg shell, paper or fabric upon which wax writing is desired.

When using the stylus for liquid scrolling on ceramics or other surfaces, the stylus is first thoroughly cleaned, and the reservoir is slightly filled with liquid gold, india ink or other medium, and the writing or sketching is accomplished by lightly touching the hollow scribing point of the stylus onto the item to be scrolled, and moving it lightly thereon to produce the desired writing or pattern.

Styls of the invention are necessarily of several sizes, the size used for any class of work being dependent upon the type of work and the medium employed.

Although but a single embodiment of the invention has been disclosed and described herein, it is obvious that many changes may be made in the size, shape, detail and arrangement of the various elements thereof, all without departing from the spirit and scope of the appended claims.

I claim:

1. A stylus for wax writing on eggs, fabric and paper, and for gold and other color scrolling on ceramics and the like comprising

a scribing head consisting of a cylindrical cup-shaped reservoir including a conical lower portion terminating in a hollow central depending scribing point,

a shaft for holding the stylus in scribing position during use having a diagonal aperture therein beginning centrally of the lower end of said shaft and breaking through the bottom of the stylus shaft providing an elongate tapered groove therein,

a wire securing means fixing said scribing head in angular spaced relationship to the lower end of said shaft, the outer periphery of the lower portion of said cup-shaped reservoir being grooved to accommodate the lower loop of said wire securing means,

the outer periphery of said shaft being grooved therearound transversely of said elongate tapered groove therein to accommodate the upper loop of said wire securing means, the said wire securing means having a lower loop disposed around said reservoir in said groove therein and doubled and twisted beginning at said lower loop and extending substantially through said diagonal bore in the lower end of said shaft with a single strand of wire extending therefrom into and around the said anchorage groove in said shaft with the free end portion of said single strand of wire forming said upper loop and being hooked at its extreme end to said shaft at said elongate tapered groove therein,

the said twisted portion of said wire securing means being of a length sufficient to hold said cup-shaped reservoir in spaced relationship from the lower end of said shaft with

the said scribing point disposed diagonally below the lower end of said shaft.

2. A stylus as claimed in claim 1 wherein the wire securing means is formed of an annealed steel wire.

3. A stylus as claimed in claim 1 wherein the scribing head is 5 formed of brass of a suitable thickness to retain heat intermittently applied thereto for a sufficient length of time to admit of a reasonable wax writing time between heats.

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