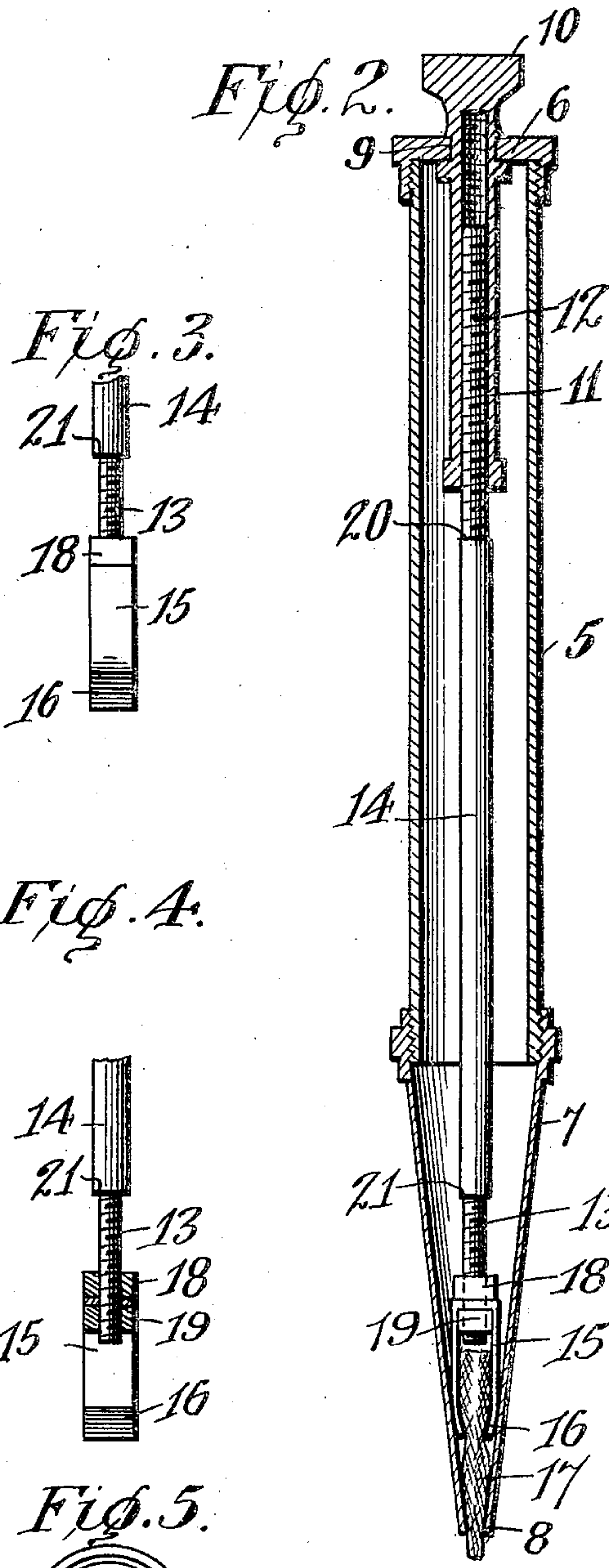
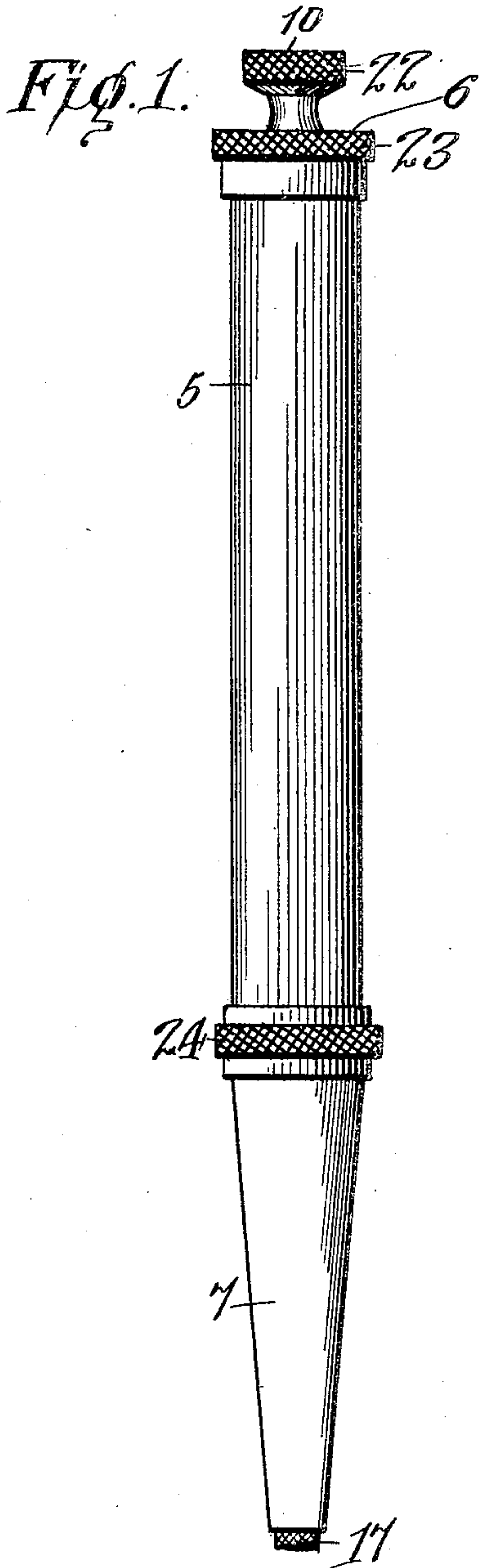


A. G. GUNN.
SELF FEEDING MARKER.
APPLICATION FILED OCT. 31, 1908.

938,846.

Patented Nov. 2, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

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SELF-FEEDING MARKER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ADELBERT G. GUNN, citizen of the United States of America, residing at Coffeyville, in the county of Montgomery and State of Kansas, have invented certain new and useful Improvements in Self-Feeding Markers, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to box markers, and the object thereof is to provide a device of this character which is self-feeding, and which furthermore will permit of the adjustment of the marking fabric.

The invention is further directed to a device as set forth which is constructed of a minimum number of parts in order to render the same simple, and economical in manufacture.

To the accomplishment of the recited objects, and others coördinate therewith, the preferred embodiment of my invention resides in that construction and arrangement of parts hereinafter described, illustrated in the accompanying drawings, and embraced within the scope of the appended claims.

In said drawings:—Figure I is a vertical elevation of the invention, and Fig. II is a longitudinal section thereof. Fig. III is a fragmentary detail elevation of the plunger rod and clamp. Fig. IV is a similar view showing the clamp and its appurtenances in section, and Fig. V is a bottom plan view of the liquid directing terminal.

Referring more particularly to the drawings for a detail description of my invention, the numeral 5 designates a cylindrical casing or sheath which is provided at its ends with external screw threads for engagement with the complementary screw threads of the cap or cover (6) and the conical shaped nozzle (7), the latter being flattened or otherwise contracted at its lower terminal to present a substantially elliptical shaped orifice (8), as clearly exhibited in Fig. V of the drawings. Rotatably mounted or swiveled relative to the screw cover (6), as at 9, and projecting upwardly therethrough is a boss (10) having an internal screw threaded tubular shank (11) depending therefrom and occupying a position medially of the casing (5). Having its upper extremities screw threaded, as at 12, for engagement with the corresponding screw threads of the shank (11) and its lower extremity screw threaded, as at 13, is a plunger

rod (14) which when assembled, as shown in Fig. II of the drawings, has the appearance of a substantial continuity of said shank (11). On the lower screw threaded terminal (13) of the plunger rod (14) I have mounted a U-shaped clamp (15) having integrally formed curvilinear converging terminals (16) which are designed to exert a yieldable clenching action on the wick, brush or other suitable absorbent material (17). This clamp (15) is movable longitudinally of the screw threaded extremity (13) and may be adjusted along its extent by the proper sequential manipulation of the supernut (18) and the subnut (19). The screw threaded extremities (12) and (13) of the plunger rod (14) are rabbeted, or in other words, of slightly less diameter than the body or intermediate portion of said rod, and by virtue of this construction shoulders (20) and (21) are formed to serve as a limit for the hereinbefore mentioned adjustments.

The outside portions of the clamp (15) are devised to lie contiguous the flattened or contracted sides of the lower part of the nozzle (7) so as to insure a perfect guidance of the clamp and wick (17) and an independent rotatable adjustment of the plunger rod (14), the said clamp obviously impinging against the said inside contracted portions of the nozzle (7).

The boss (10), the cap (6) and the nozzle (7) are all preferably thumb checkered, as at 22, 23 and 24 to permit of the ready adjustment of these parts.

In practical operation, the nozzle (7) is preferably detached from the sheath (5), when the latter is inverted so as to receive any suitable coloring liquid. The sections are then subsequently reassembled in an obvious manner to preclude the efflux of the liquid from the opening (8). Or if desired the cap (6) and the tubular shank (11) carried thereby may be removed, respectively, from the sheath (5) and the plunger (14), and the coloring matter poured in with impunity, the wick (17) manifestly gravitating or occluding the opening (8). Now assuming that the receptacle is partly filled with the coloring matter and that the component parts thereof occupy the relative positions disclosed by Fig. II of the accompanying drawings the discharge of the liquid is entirely governed and controlled by screwing or unscrewing the boss (10), such operation causing the wick (17) to recede or pro-

trude from the exit (8). If occasion should require the adjustment of the clamp (15) with respect to the rod (14) this operation may be attained with facility by securing
 5 an appropriate adjustment of the nuts (18) and (19).

From the foregoing it will appear evident that my invention is constructed of but few parts which may be readily associated or dis-
 10 associated with facility, and expeditiously adjusted to perform its recited function as a marker for boxes, packages, and the like.

Having thus described my invention what I claim as new is:—

15 1. In a device of the character described, the combination with a casing, having a nozzle, of a screw-threaded plunger rod having a yieldable clamp mounted in said nozzle, said nozzle constructed for holding said
 20 clamp against rotary movement, and means for adjusting said plunger.

2. In a device of the character described, the combination with a casing having a nozzle, of a plunger rod having a yieldable
 25 clamp, a wick carried by said clamp, and means for adjusting said plunger.

3. In a device of the character described, the combination with a casing having a nozzle, of a plunger rod having a yieldable
 30 clamp, said clamp being adjustable longitudinally of said rod, a wick carried by said clamp, and means for adjusting said plunger.

4. In a device of the character described, the combination with a casing having a detachable nozzle provided with a flattened
 35 and contracted terminal, of a plunger rod

having a yieldable clamp, the sides of said clamp lying contiguous the inner surfaces of said nozzle terminal, means for adjusting
 40 said plunger, and a wick carried by said clamp.

5. In a device of the character described, the combination with a casing having a nozzle provided with a flattened and contracted
 45 terminal, of a plunger rod having a yieldable clamp equipped with curvilinear convergent extremities which are designed to lie contiguous said nozzle terminal, means for adjusting said plunger, and a wick carried by said clamp, the latter being adjust-
 50 able relative to said rod.

6. In a device of the character described, the combination with a casing, having a nozzle, of a plunger rod provided with a
 55 clamp mounted in said nozzle, said nozzle constructed for holding said clamp against rotary movement, and means for adjusting said plunger.

7. In a device of the character described, the combination with a casing having a flat-
 60 tened nozzle, of a plunger rod having a clamp, the sides of said clamp lying contiguous the inner surfaces of said nozzle, a wick carried by said clamp, and means for adjusting said plunger.
 65

In testimony whereof I have affixed my signature in presence of two witnesses.

ADELBERT G. GUNN.

Witnesses:

A. E. HASTINGS,
 PHILIP H. CARR.