Oct. 21, 1924. 1,512,085

H. LE R. CLARY

TWO-COLOR STAMP

Filed Oct. 4, 1921 3 Sheets-Sheet 1

Fig. 1.

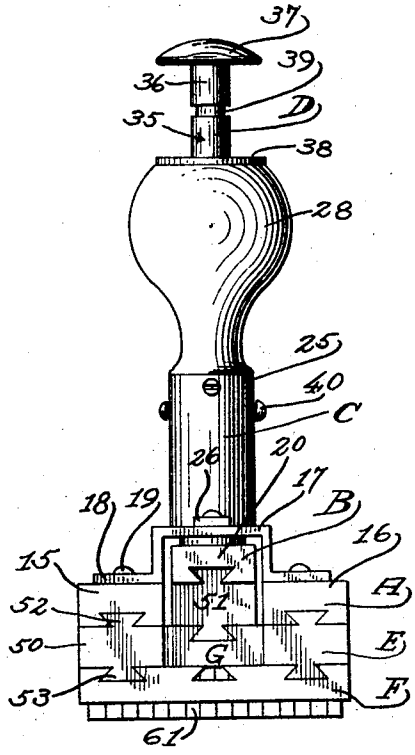


Fig. 2.

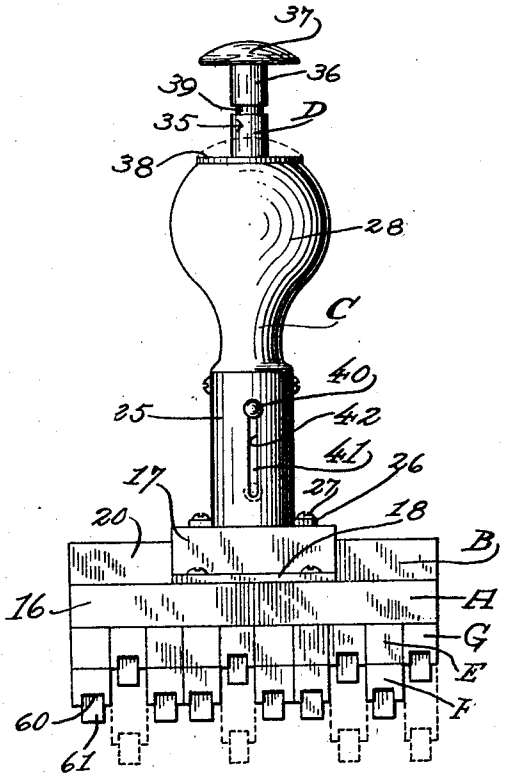


Fig. 6.

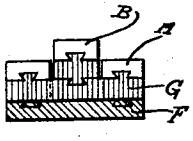


Fig. 7.

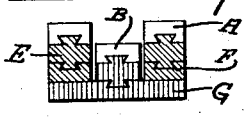
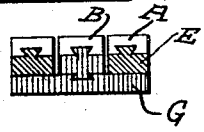


Fig. 8.



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Fig. 3.

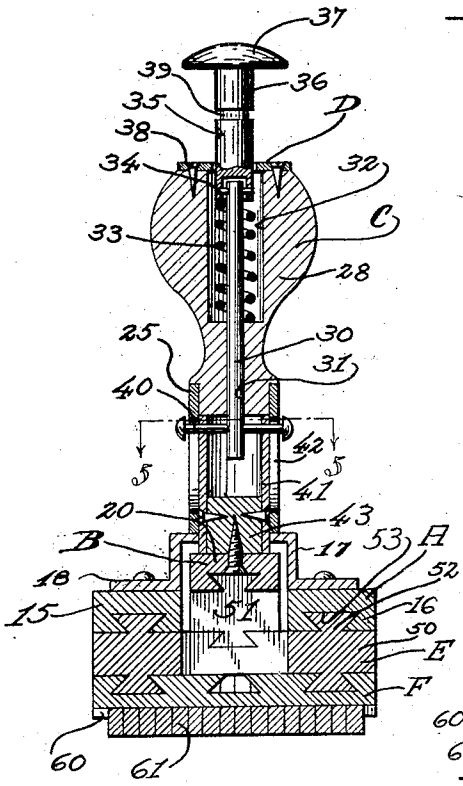


Fig. 4.

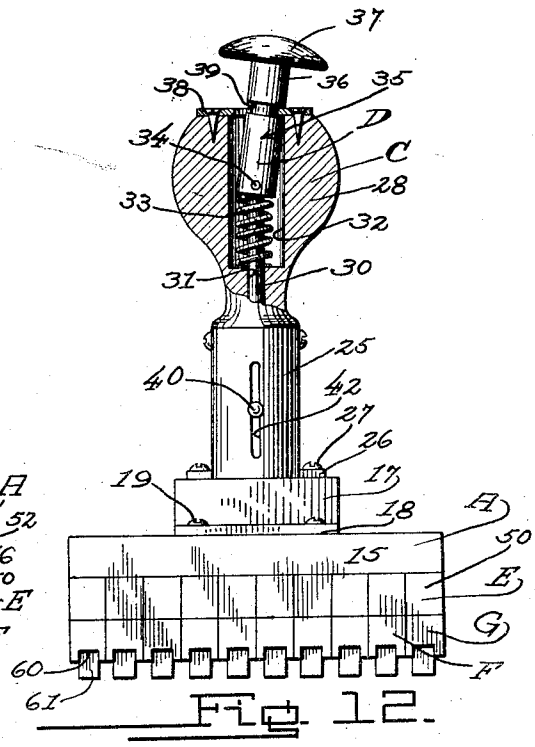


Fig. 12.

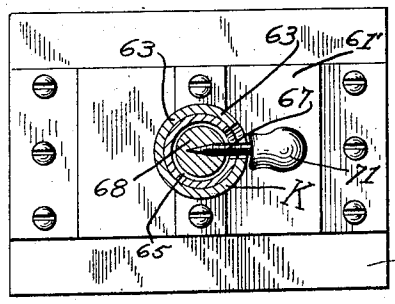
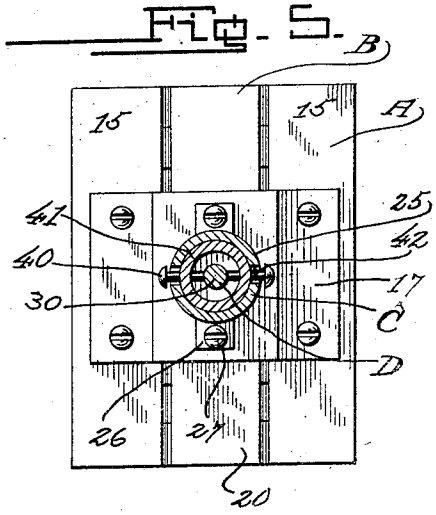


Fig. 5.



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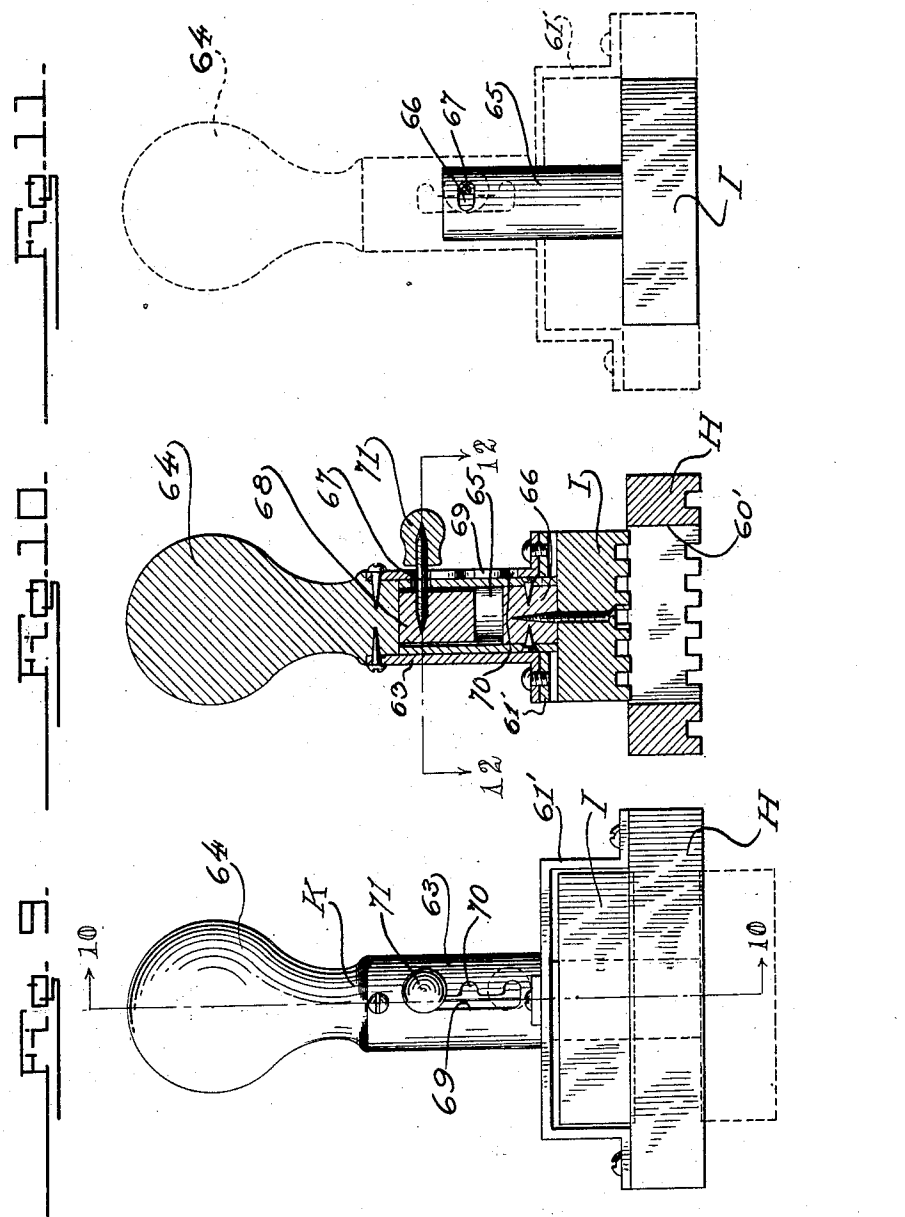
Attorneys

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H. LE R. CLARY

TWO-COLOR STAMP

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Patented Oct. 21, 1924. 1,512,085

UNITED STATES PATENT OFFICE.

HUBERT LE RON CLARY, OF WELDON, NORTH CAROLINA.

TWO-COLOR STAMP.

Application filed October 4, 1921. Serial No. 505,357.

To all whom it may concern:

Be it known that I, HUBERT L. CLARY, a citizen of the United States, residing at Weldon, in the county of Halifax and State of North Carolina, have invented certain new and useful Improvements in Two-Color Stamps, of which the following is a specification.

This invention relates to printing, and the primary object of the invention is to provide an improved stamp either of the hand or mechanical type for printing in different colors, so that novel and effective printing matter can be printed therewith, which will attract instant attention.

Another object of the invention is to provide a novel stamp embodying a main printing base and handle, and a second printing base, which is movable in relation to the first printing base and a novel means for adjusting and holding the second printing base in relation to the first printing base, whereby different colored inks can be readily applied to the printing bases, to permit an advertisement or other printing matter to be printed with a single operation in different colors.

A further object of the invention is to provide a novel means for forming the printing bases and for arranging the same in relation to each other, so that a novel arrangement of the printing type can be had, which will allow different lines of printing to be printed in different colors, or the letters in the words forming the sentences to be printed in different colors.

A still further object of the invention is to provide a novel hand stamp of the above character, which will be durable and efficient in use, one that will be simple and easy to manufacture, and one which can be placed upon the market at a reasonable cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed and illustrated in the accompanying drawings, forming a part of this specification, in which drawings:

Figure 1 is an end elevation of the improved stamp.

Figure 2 is a side elevation of the improved stamp.

Figure 3 is a central vertical transverse section through the stamp.

Figure 4 is a side elevation of the improved stamp showing all of the type bars in the same plane for permitting the matter to be printed, parts of the handle being shown in section, to illustrate the means of holding the movable printing base or type bars in their adjusted position.

Figure 5 is a plan view of the improved stamp, showing the handle in section, taken on the line 5—5 of Figure 3.

Figures 6, 7 and 8 are diagrammatic views illustrating the various positions of the movable stamping base, in relation to the stationary stamping base, whereby the stationary stamping base and the movable stamping base can be readily inked and brought into the same plane for the printing operation.

Figure 9 is a side elevation of the modified form of stamp.

Figure 10 is a vertical transverse section through the modified form of stamp, taken on the line 10—10 of Figure 9.

Figure 11 is a side elevation of the movable printing member with the other parts of the stamp shown in dotted lines, and

Figure 12 is a plan view of the modified form of stamp, with the handle in section, taken on the line 12—12 of Figure 10.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter A indicates the stationary stamping base; B, the movable stamping base; C, the handle; D, the operating and locking means mounted in the handle for the movable stamping base; and E, the means for securing the type bars F and G to the stamping bases A and B.

The stationary stamping base A includes a pair of spaced longitudinally extending supporting bars 15 and 16, and these bars can be made of any desired material, such as wood, metal or fiber, and are united together by means of a U-shaped strap or bracket 17. The terminals of the U-shaped bracket or strap 17 are provided with outwardly extending feet 18, through which the fastening elements 19 extend to secure the bars 15 and 16 to the bracket. The bracket or strap 17 also supports the handle C, as will be hereinafter more fully described.

The movable stamping base B consists of a longitudinal single block 20, which is arranged intermediate the blocks 15 and 16.

This block 20 has connected thereto the operating and locking means D, which will be hereinafter more fully described.

The handle C includes the cylindrical hollow shank portion 25, which is preferably, but not necessarily formed of metal. The inner end of the hollow cylindrical shank portion 25 is provided with outwardly extending attaching feet 26, through which fastening elements 27 are extended. These fastening elements 27 extend into the connecting bracket or strap 17, and firmly unite the handle to the strap. The upper end of the shell 25 has connected thereto in any preferred manner the hand grip 28. This hand grip is preferably formed of wood or fiber.

The operating means D as stated, is carried by the handle and consists of an actuating plunger 30. This plunger 30 is slidably mounted in a longitudinally extending bore 31 formed in the hand grip 28, and extends into the hollow cylindrical shell 25. The outer end of the bore 31 is enlarged as at 32, for the reception of an extension coil spring 33, which is coiled about the plunger 30. The upper end of the plunger 30 has pivotally connected thereto by means of a pin 34, an operating knob 35. This knob 35 consists of a shank portion 36, the inner end of which extends into the enlarged portion 32 of the bore 31, and a head 37. The outer end of the spring 33 bears against the inner end of the operating knob 35, and thus tends to normally urge the same outwardly of the hand grip 28. An annular reinforcing plate 38, preferably formed of metal, is secured to the outer end of the hand grip 28 and surrounds the enlarged portion 32 of the bore 31, and this reinforcing plate or washer is adapted to be engaged by the walls of the annular groove 39 formed in the shank portion 36 of the operating knob 35.

It can be seen that when the head 37 of the operating knob 35 is pushed downwardly, the knob 35 can be rocked on the pivot pin 34, so as to swing the walls of the groove into engagement with the inner periphery of the locking plate or washer 38, as clearly shown in Figure 4 of the drawings, thus holding the plunger 30 in an adjusted position, the purpose of which will be hereinafter more fully described.

The inner end of the plunger 30 has connected thereto by means of outwardly extending pins 40 a sleeve 41, which is slidably mounted within the shell 25. These pins 40 slidably extend through slots 42 formed in the shell 25 and provides means for preventing turning movement of the plunger. The lower end of the sleeve 41 is connected with a knob 43, which is in turn secured in any preferred manner to the longitudinally extending block 20 forming the movable base member B. Thus it can be seen that during operation of the plunger, the movable base or printing block will be actuated.

The means E for securing the type bars F and G to the stamping bases A and B consists of spacing blocks 50 and 51. The spacing blocks 51 for connecting the type bars G to the movable stamping base B are disposed intermediate the spacing blocks 50 which are utilized for connecting the type bars F to the stationary stamping base A. These blocks 50 and 51 are constructed identically the same, and may be secured in any preferred manner to the stamping bases A and B and to the type bars F and G. As shown, the spacing blocks 50 and 51 are provided with dove tailed tongues 52, which are adapted to fit in dove tailed grooves 53, formed respectively in the stamping bases A and B and in the type bars F and G.

The type bars F and G extend transversely of the stamping bases A and B, and any preferred arrangement of these type bars may be had in relation to each other to permit the desired arrangement of different colored printing to be had. These type bars F and G can be either constructed of wood or metal, and the outer faces thereof are preferably grooved as at 60 to receive type 61, which also can be formed removable if so desired. The type may be either formed of rubber or of metal. Now, the spacing blocks 51 are so disposed that the same will lie intermediate the spacing blocks 50 of the stamping base B, so that the type bars G carried by the blocks 51 will lie intermediate the type bars F of the stamping base A.

In use of the improved stamp, the operating knob 35 is actuated, so as to move the walls of the grooves 39 from out of engagement with the locking plate or washer 38, which permits the spring 33 to urge the plunger upwardly, which carries the type bars G above the plane of the type bars F. The hand is then placed around the hand grip and the type carried by the type bars F are forced on a suitable inking pad or roller of the desired color. The head 37 is then pressed downwardly, until the same comes into engagement with the locking plate, which will compress the spring 33 and force the type bars G of the movable stamping base B below the plane of the type bars F of the stationary stamping base A, as shown in the diagrammatic view in Figure 7. The type carried by these bars are then inked the desired color, after which pressure is gradually released from the head 37, until the groove 39 comes into alignment with the locking plate or washer 38, at which time the pressure is exerted so as to rock the operating knob to bring the walls of the groove into engagement with the locking plate, which will lock the plunger against move-

ment. When the walls of the groove 39 are swung into locking engagement with the locking plate or washer 38, the type bars G of the movable stamping base B will be flush with the type bars F of the stationary stamping base A, thus allowing the simultaneous printing of all of the type bars.

From the foregoing, it can be seen that a stamp has been provided, which will permit convenient printing in different colors, thereby allowing attractive advertisement to be printed.

In Figure 6 is shown, diagrammatically, the type bars G in their raised position, in order to permit the type bars F to be inked, and in Figures 6 to 8 inclusive, the type bars F have been shown to designate a green color, while the type bars G have been shown to designate a red color, thus clearly indicating that the type bars F and G are to receive different colored ink.

In Figure 7, the type bars G are shown arranged in a plane below the type bars F, in a position to be inked, while in Figure 8, the type bars F and G are shown in the same plane ready for the printing operation.

It is obvious from the foregoing, that any arrangement of type bars desired, may be had, and that the type bars can be formed, so that the type carried thereby can be interchanged, whereby various different characters of printing may be had.

It can be seen that each type bar can carry a line of printing, so that different lines of the printed matter will be in different colors, or that the different type bars can carry different letters of the same word, so that the different words can be printed in different colors.

While in Figures 1 to 5 inclusive, has been shown one means of operating and locking the type bars and stamping bases in relation to each other, it is obvious that I can accomplish the operating and actuating means in a different manner, and in Figures 9 to 11 inclusive, I have shown a modified form.

In Figures 9 to 11 inclusive, a base H has been provided, which is provided with a central longitudinally extending opening 60′, through which the movable stamping base I is adapted to extend.

These bases H and I are in the nature of plates and can carry any preferred arrangement of type or type bar. Disposed longitudinally of the printing base H is disposed the U-shaped attaching bracket 61′, to which is secured the handle K. This handle K includes the cylindrical shell 63, which is secured in any preferred manner to the U-shaped bracket 61′. The upper end of the shell is secured in any preferred manner to any type of hand grip 64. Slidably mounted within the shell 63 is disposed a second slidable shell 65. The inner end of this shell is secured to a knob 66, which in turn is connected in any preferred manner to the movable stamping base I. The sliding shell 65, is provided with an arcuate horizontally disposed slot 66, through which extends an operating pin 67. This operating pin 67 has its inner end anchored in a rotatable block 68, which is disposed within the sliding shell 65. This pin also extends through a vertically disposed slot 69, formed in the outer or stationary shell 63, and this slot 69 is provided with a plurality of laterally extending notches 70, which constitute locking members. The outer end of the locking pin 67 has secured thereto in any preferred manner, an actuating knob 71.

Now, in this construction, when it is desired to ink the type carried by the stationary printing base H, the knob 71 is actuated, so as to move the pin 70 to the highest point, within the slot 69, and the block 68 is turned, so as to permit the pin 71 to ride in the uppermost notch 70. This will hold the movable printing base I above the printing base H. The ink of the desired color is then applied to the printing base H in the ordinary manner. After the ink has been applied to the printing base H, the knob 71 is again grasped, and actuated so as to move the pin 67 from out of the uppermost notch 70 and to move the pin to the lowermost point in the slot 69, after which the pin is moved, so as to fit in the lowermost notch 70. This will position the printing base I below the plane of the printing base H, and the ink is then applied to the printing base I, in the ordinary manner. After the ink of the desired color has been applied to the printing base I, the knob 71 is again grasped, and the pin 67 slid upwardly in the slot 69, and positioned in the intermediate notch 70. This positions the printing base I in the same plane as the printing base H, and the stamp is then ready for the printing operation.

In both forms of my invention, it can be seen that a simple and compact means has been provided, arranged in the handle of the stamp for actuating the movable printing base, and for locking said printing base in any desired position in relation to the stationary printing base.

Changes in details may be made without departing from the spirit or scope of this invention; but,

I claim:

1. A stamp for printing in various colors comprising a stationary printing base, a movable printing base disposed within the marginal edges of the stationary printing base and adapted to be disposed above, below or flush with the stationary printing base, a U-shaped bracket carried by the stationary base, a hollow handle carried by the bracket, an actuating plunger slidably

mounted within the hollow handle and connected with the movable printing base, an actuating member carried by the plunger and slidably associated with the handle for actuating the movable printing base, and means carried by said handle adapted to be engaged by said actuating means for locking the movable stamping base in relation to the stationary stamping base.

2. A stamp for printing in different colors comprising a stationary printing base, type carried by said printing base, a movable printing base, type carried by the movable printing base, a hollow handle connected with the stationary printing base, a sliding plunger mounted within said handle and associated with the movable printing base, spring means normally urging the plunger in a raised position, and the movable printing base in a plane above the stationary printing base, a pivoted actuating knob secured to the plunger including a shank having an annular locking groove formed therein, and an annular stationary locking plate carried by the handle and arranged to engage in said groove when the knob is moved to a canted position in relation to the plunger.

3. A stamp for printing in different colors comprising a stationary printing base, type carried by the printing base, a movable printing base, type carried by the movable printing base, a hollow handle carried by the stationary printing base, a sliding plunger carried by the hollow handle and connected with the movable printing base, a pivoted knob secured to the plunger including a head and a shank having an annular locking groove formed therein, an expansion spring coiled about said plunger arranged to engage the shank portion of said knob to normally hold the movable printing base in a raised position, an annular locking plate rigidly secured to the upper end of the handle adapted to engage in said groove when the locking knob is swung on its pivot pin, and means carried by said plunger for preventing turning movement thereof in relation to said handle.

4. A stamp for printing in different colors comprising a stationary stamping base including a pair of spaced longitudinally extending blocks, a movable stamping base including a single longitudinally extending block disposed intermediate the first mentioned block, a plurality of transversely extending type bars, spacing blocks detachably connecting the type bars to the first and second mentioned longitudinally extending blocks, type carried by said bars, and means for operating the second mentioned longitudinally extending block for moving the type bars carried thereby above, below and flush with the lower surface of the type bars carried by the first mentioned longitudinally extending blocks.

5. A stamp for printing in different colors comprising a stationary printing base including a pair of spaced longitudinally extending blocks, a movable printing base including a single longitudinally extending block disposed intermediate the first mentioned blocks, a plurality of transversely extending type bars, removable spacing blocks for connecting the type bars with the first and second mentioned longitudinally extending blocks, type carried by the type bars, a bracket connecting the first mentioned longitudinally extending blocks together, a handle connected with said bracket including a hollow shank portion and a hand grip, the hand grip having a longitudinally extending bore formed therein, the outer end of the bore being enlarged, a sliding plunger mounted in said bore, a pivoted knob secured to the plunger extending interiorly of the hand grip, means connecting the plunger with the second mentioned longitudinally extending block, means for preventing rotary movement of the plunger in relation to the handle, a spring coiled about said plunger and disposed in enlarged portion of the bore of said hand grip arranged to engage one end wall of the enlarged portion of the bore and the pivoted knob, an annular locking plate secured to the hand grip, the locking knob having an annular locking groove formed therein arranged to receive the locking plate.

HUBERT LE RON CLARY.