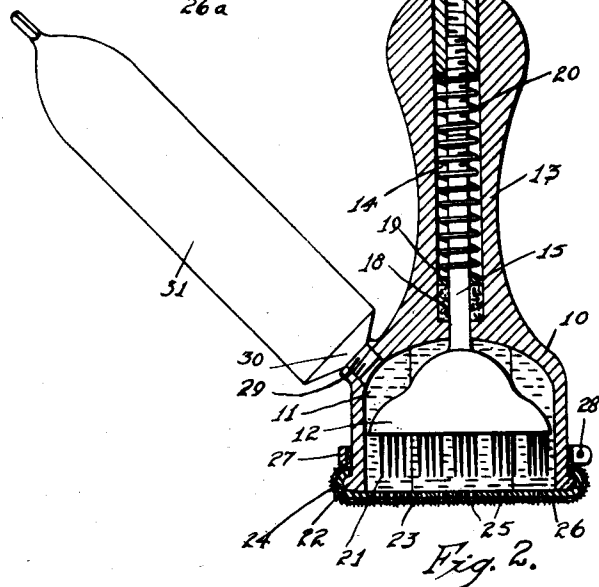
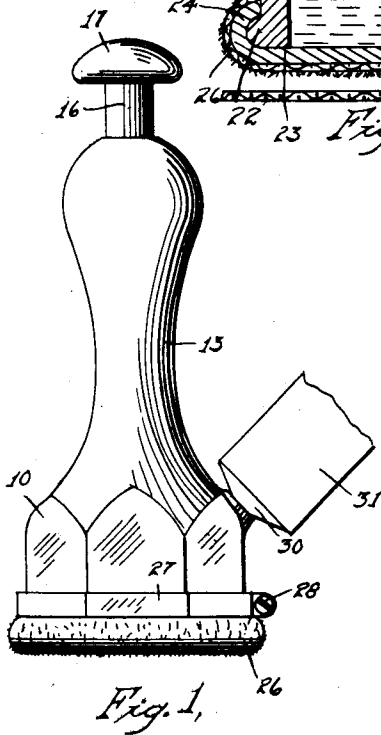
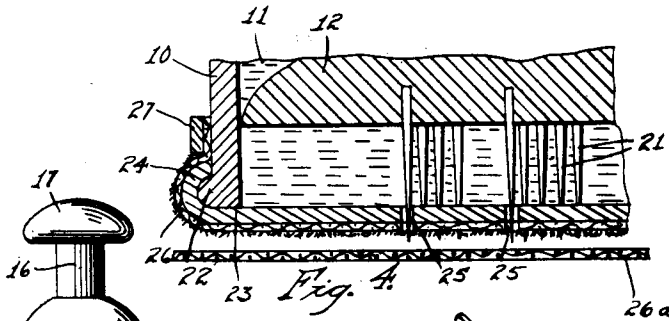
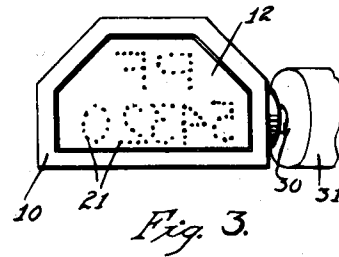
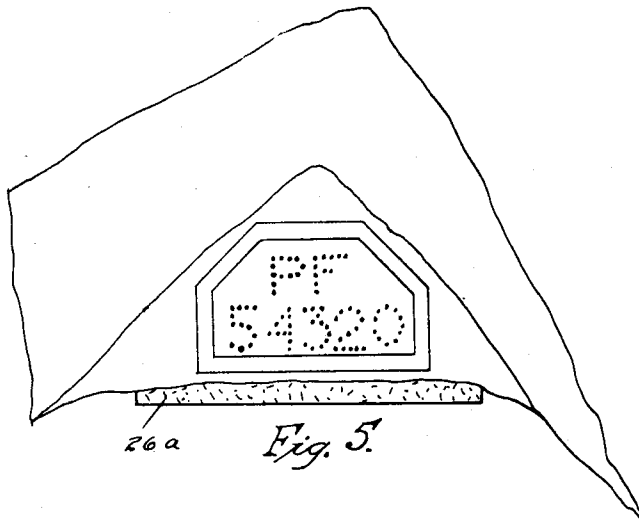


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J. S. NAYLOR
STOCK AND POULTRY MARKER

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UNITED STATES PATENT OFFICE.

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STOCK AND POULTRY MARKER.

Application filed November 22, 1927. Serial No. 234,972.

The object of my invention is to provide a stock and poultry marker of simple, durable and inexpensive construction, so constructed and arranged that a mark will be easily and quickly applied to the membrane to be marked without injuring the adjacent muscles.

A further object is to provide a marker of compact form, having the marking ink carried by a suitable container forming a part of the marker, and in connection therewith improved means for rubbing the ink into the perforations formed by the marking needles.

My invention consists in the construction, arrangement and combination of the various parts of the device, whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which:

Figure 1 is a side elevation of my improved marker.

Figure 2 is a vertical sectional view of the same.

Figure 3 is a bottom view of the marker.

Figure 4 is an enlarged, detail, sectional view showing the manner in which the perforating needles are passed through the ink distributing pad.

Figure 5 is a diagrammatical view showing the manner in which the marker may be placed on the membrane portion of a fowl's wing.

My improved device comprises a body portion 10, one side of which is formed rectangular while its opposite side is formed angular. The body portion is provided with a cavity 11 for forming the ink well and for retaining the perforating die 12. The top of the body portion 10 is provided with an upwardly extending handle 13 which has a central opening 14 in which is slidably mounted a shaft 15. The lower end of the shaft 15 is connected to the die 12. The upper end of the shaft is screw threaded and provided with a sleeve 16, the upper end of which terminates in a knob 17.

Packing 18 is mounted in the lower end of the opening 14 around the shaft 15 and is designed to support a washer 19. A spring 20 is mounted in the hole 15 with one end against the said washer and its opposite end against the lower end of the sleeve 16. Said spring provides means for yieldably supporting the shaft 15 and the die 12 in their elevated position of movement. The sleeve 16 is adjustably connected on the shaft 15, so that the

knob 17 provides limiting means for the downward stroke of the die 12.

The die 12 is designed to loosely fit the interior of the body portion 10, and has its under face provided with a series of downwardly extending needles or punches 21, said needles being arranged in groups, each group having the formation of a marking character, such as numerals or letters.

The lower edge of the body 10 is provided with an outwardly projecting flange 22. A plate 23 is designed to close the lower end of the chamber 11 and has its edges provided with upwardly curved portions 24, which are somewhat yieldable and are designed to surround the flanges 22 for supporting the plate in position. The plate 23 is provided with openings 25, one for each of the needles 21, the openings being in alignment with said needles so the needles may pass through them as the die 12 is moved downwardly. The plate 23 is covered with a piece of fabric 26, such as plush, with the nap portion projecting downwardly. The edges of the fabric 26 are folded upwardly over the members 22 and secured in position adjacent to the lower end of the body 10 by means of a flexible band 27 detachably secured in position by means of a suitable bolt 28.

The top of the body portion 10 is provided with screw threaded opening 29 designed to receive the nozzle 30 of a collapsible ink tube 31. The opening 29 is so arranged that the tube 31 may be supported preferably in an inclined position, as shown in Figure 2.

In operation the tube 31 is placed in the opening 29 and the chamber 11 filled with ink from said tube, after a pad 26^a is then placed on the operating table. The wing of the fowl is then spread in a natural position to stretch the web over the pad 26^a. The body portion of the marker is then placed carefully between the muscular portions of the wing with the fabric 26 resting on the web. The members 22 act as guides to prevent the needles from entering the muscular portions. The handle 13 is then grasped and downward pressure applied to the body to firmly grip the web. The knob 17 is then forced downwardly until it engages the upper end of the handle 13. The die 12 will be moved downwardly causing the needles 21 to enter openings 25 and to perforate the fabric 26 and enter the skin of the web, after which the knob 17 may be released and the spring 20 returning the die to its upper limit of movement

and withdrawing the needles so that they are supported entirely within the chamber 11, before the pressure on the handle 13 is released, and before the gripping pressure between the fabric and pad is released. Pressure may then be applied to the upper end of the collapsible tube 31, which will cause ink to be forced downwardly through the openings 25 and into the openings in the skin of the membrane, after which a side movement may be imported to the handle 13 of the body 10, causing the fabric to be rubbed over the upper surface of the membrane and the ink to be thoroughly rubbed into the perforations, after which the instrument may be removed. The ink is of that kind commonly used for tattooing.

Thus it will be seen that I have provided a marker for poultry and stock of simple, durable and inexpensive construction, which is so constructed and arranged that the thin membrane of a fowl's wing or foot may be marked or tattooed without danger of accidentally perforating or injuring the muscular portion.

It will also be seen that I have provided a marker of very compact form and which may be easily and quickly dissembled for cleaning purposes if so desired. The packing 18 prevents the ink from entering the opening 14 while the sleeve 16 is made adjustable so that the depth of the perforations may be easily and accurately regulated.

I claim as my invention:

1. A marker comprising a body portion having a handle and an ink chamber formed therein, one side of said body portion being provided with groups of perforations to form indicating characters, a needle supporting die slidably mounted within said chamber having needles entering said perforations, a fabric covering the perforated portion of said body, a collapsible ink container in communication with said ink chamber, and means for actuating said die to cause the needles to move into and out of said perforations.

2. A marker comprising a body portion having a handle and an ink chamber formed therein, one side of said body portion being provided with groups of perforations to form marking characters, a needle supporting die slidably mounted within said chamber having needles entering said perforations, a fabric covering the perforated portion of said body, a collapsible ink container in communication with said ink chamber, means for actuating said die to cause the needles to move into and out of said perforations, and adjustable means for limiting the movement of said die.

3. A marker comprising a body portion having an ink chamber, one side of said body

portion having perforations arranged in groups to form marking characters, a die movably mounted within said chamber having perforating needles for entering said perforations, means for actuating said die, a fabric for covering said perforations, and means for detachably supporting said fabric.

4. A marker comprising a body portion having an ink chamber open at one end, a needle supporting die slidably mounted in said ink chamber having a series of outwardly extending perforating needles, a plate for covering the opening of said ink chamber, said plate having perforations corresponding with the needles of said die, means for detachably connecting said plate, a fabric for covering said perforated plate, means for detachably supporting said fabric, and means for moving said die to cause the needles to enter said perforations and said fabric and to project a slight distance beyond said fabric.

5. A marker comprising a body portion having an ink chamber open at one end, a needle supporting die slidably mounted in said ink chamber having a series of outwardly extending perforating needles, a plate for covering the opening of said ink chamber, said plate having perforations corresponding with the needles of said die, means for detachably connecting said plate, a fabric for covering said perforated plate, means for detachably supporting said fabric, means for moving said die to cause the needles to enter said perforations and said fabric and to project a slight distance beyond said fabric, and means for supplying ink to said chamber under pressure.

6. A marker comprising a body portion having its under surface perforated and covered with a fabric, a die having a series of perforating needles designed to enter the perforations in said fabric, a pad supported below said fabric, said fabric and said pad being designed to receive the web of a fowl's wing or foot between them, means for applying downward pressure to said fabric to grip the web and hold it against movement, and means for moving said perforating needles downwardly to perforate said web.

7. A marker comprising a supporting pad adapted to receive and support the outstretched web of a fowl's wing or foot, a second pad to grip and hold said web against movement, a series of needles to enter one of said pads and to perforate said web, the needles being arranged to form groups of perforations in the web in the form of designating characters, means for moving said needles to perforating position, and means for injecting and rubbing a marking material into said perforation.

JOSEPH S. NAYLOR.