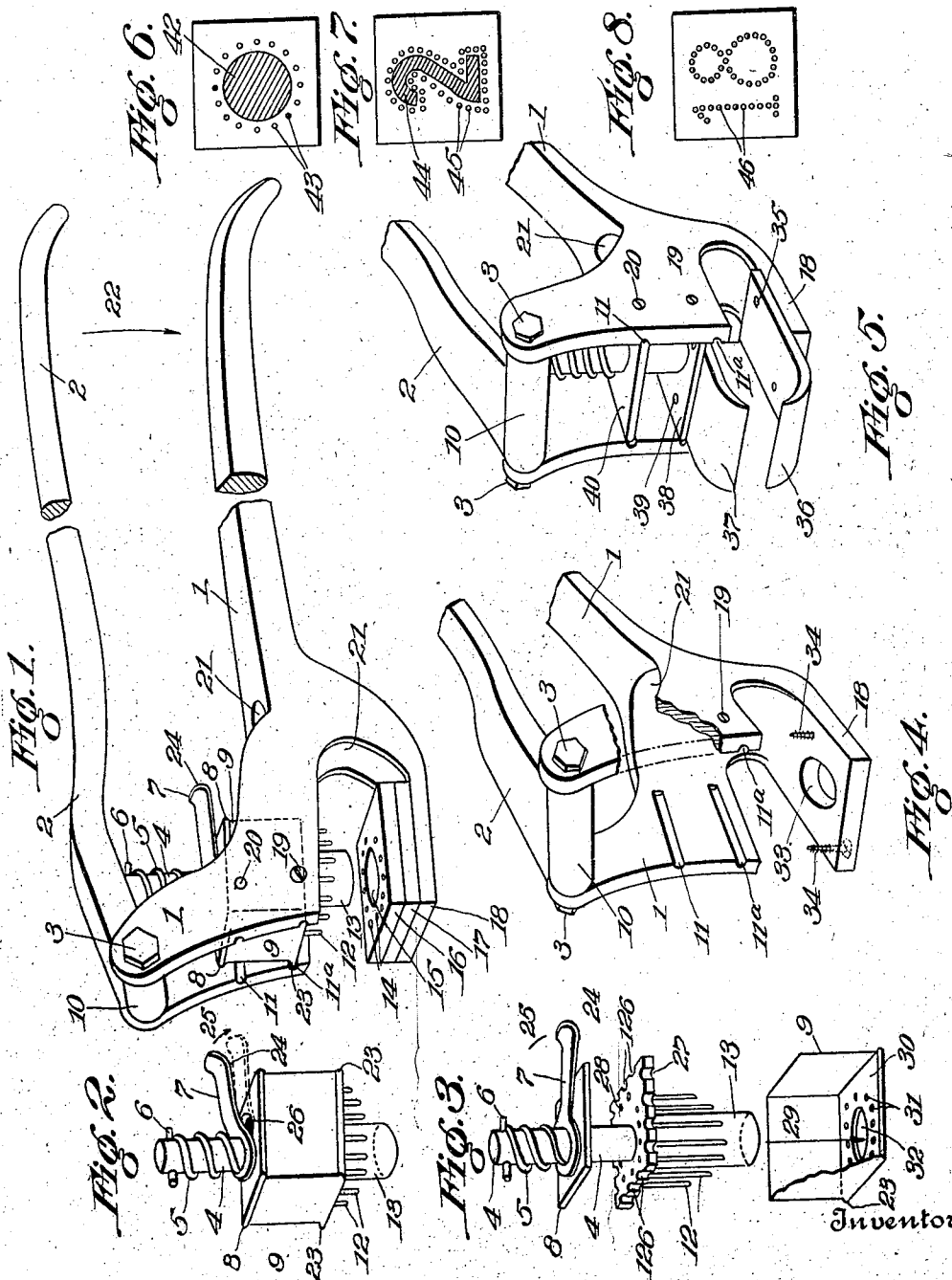


T. F. AMOEDO.
 DEVICE FOR MARKING ANIMALS AND THE LIKE.
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1,378,166.

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DEVICE FOR MARKING ANIMALS AND THE LIKE.

1,378,166.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, TOMÁS FERRADÁS AMOEDO, a citizen of Argentina, and residing at Buenos Aires, have invented a new and useful Device for Marking Animals and the like.

The invention relates to a device for marking animals and the like.

The object of the present invention is to provide a simple, practical and efficient marking device of strong and durable and comparatively inexpensive construction, designed for marking the ears of animals and analogous purposes and adapted to cut or perforate a figure or design and simultaneously feed ink or similar liquid whereby a distinct accurate mark may be readily produced.

With these and other objects in view the invention consists in the novel construction, combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention:

In the drawing in which like characters of reference designate corresponding parts in the several figures:

Figure 1 is a perspective view of a marking device constructed in accordance with this invention.

Fig. 2 is a detail view illustrating the construction of the ink reservoir.

Fig. 3 is a similar view, the reservoir casing being separated to illustrate the mounting and the arrangement of the piercing and cutting means.

Fig. 4 is a detail perspective view of the front portion of the pincers.

Fig. 5 is a similar view showing cutting members applied to the pincers.

Fig. 6 is a detail view illustrating one form of design of the cutting and piercing means.

Fig. 7 is a similar view illustrating another design.

Fig. 8 is a detail view illustrating still another design.

In the accompanying drawing in which is illustrated the preferred embodiment of the invention the marking device comprises

in its construction, bars or members 1 and 2 connected together by a pivot 3 and forming a pair of pincers. The bar or member 1 is provided at its front end with spaced upwardly extending arms between which forming a form and between the arms of the sides of the fork is arranged an eye 10 of the bar 2. The pivot 3 which passes through the eye 10 is preferably in the form of a screw or bolt but any suitable shape may, of course, be employed and the said bar or member 2 is adapted to swing toward and from the bar member 1, as indicated by the arrow 22, the inner portion of the bars or members 1 and 2 being shaped to form handles or grip portions and adapted to be gripped by the operator similar to an ordinary pair of pincers for actuating a punch 4. The punch 4 which is movable upwardly and downwardly is arranged beneath the outer or front portion of the bar or member 2 and it has a coiled spring 5 disposed on its upper portion and bearing against a bolt or pin 6 which pierces the upper end of the punch. The spring is arranged to be compressed on the downward or inward movement of the bar or member 2 and is adapted to lift the punch when the said bar or member 2 is moved upwardly or away from the bar or member 1 as will be readily understood.

The lower end of the spring bears against a valve or closure 7 arranged to cover and uncover a filling opening 26 in the cover 8 of an ink reservoir 9 and the said valve or closure which projects beyond the cover 8 is provided with an opening through which the punch passes. The cover 8 of the ink reservoir or receptacle is provided with a central opening for the punch and the reservoir or casing is preferably rectangular as shown, but it may of course be of any suitable configuration.

The sides or arms of the fork of the bar or member 1 is provided at their inner faces with spaced parallel longitudinal grooves 11 and 11^a which are adapted to permit parts of the device to be slidably mounted in the said form. As shown in Fig. 1 when the ink reservoir or receptacle is employed the grooves 11^a slidably receive opposite ribs 23 of said reservoir or receptacle which is secured between the sides or arms by means of the screws 19 and 20 adapted to permit the reservoir or receptacle to be readily detached when desired. The plunger 4 carries

a male cutter 13 and a plurality of tattoo pins 12 which depend from and are mounted at their upper ends in a plate or support 126 provided at its edges with grooves or notches 27 forming outlets or channels for discharging of the said ink or other marking fluid contained within the reservoir or receptacle. The bottom 30 of the receptacle or reservoir is provided with perforations 31 for the passage of the tattoo pins and it has a central opening 32 through which the male cutter passes. The male cutter also passes through a central opening 33 of a supporting arm 18 formed integral with the bar or member 1 and located below and in spaced relation with the fork to which the bar or member 2 is pivoted. The supporting arm 18 has mounted on it a female die 15 and a cushion 16 of rubber or other suitable material, a steel die plate 17 being interposed between the cushion 16 and the supporting arm 18. The female die and cushion are provided with central openings and apertures arranged similar to the openings and apertures of the bottom of the ink reservoir or receptacle and they cooperate with the male cutter and the tattoo pins in the operation of the device. The central opening in the bottom of the reservoir or receptacle constitutes a guide for the male die as indicated by the arrow 29 and the perforations 31 guide the tattoo pins. The upper ends of the tattoo pins are preferably secured in perforations 28 in the support or plate 126 but they may be fastened in any other desired manner. The spring 5 which lifts the plunger or punch, also serves to maintain the valve or closure 7 tightly against the cover 8 to prevent leakage of the ink or other liquid content of the reservoir or receptacle and the lower face of the valve is preferably provided with a lining 24 of cork or other suitable material for hermetically sealing or closing the filling opening. The valve or closure 7 which is shown in its open position in Fig. 2 of the drawing is movable in the direction of the arrow 25 to close or cover the said filling opening.

The supporting arm 18 is pierced by screws 34 or other suitable fastening means for securing the female die and the cushion to the supporting arm.

The grooves 11 and 11^a are adapted to receive the ink reservoir or receptacle and also plates 38 and 40 as illustrated in Fig. 5 of the drawing in which cooperating cutters or knives 38 and 40 are employed. The knife 36 is mounted upon the supporting arm 18 and is secured to the same by screws 35 while the knife 37 is arranged at the lower face of the plate 38 and is secured to the punch or plunger. The plate 38 is provided with screw holes 39 adapted to receive screws for the attachment of spare parts. The outer portions of the knives 36 and 37

are curved toward each other and are provided with transverse cutting edges as shown. The plate 40 is provided with a central opening for the reception of a plunger or punch which is also guided by the plate 38. The bar or member 1 is preferably hollowed out at 21 to increase the space at the fork and the supporting arm.

The device is adapted for marking the ears of animals and for various other purposes and in Figs. 6, 7 and 8 of the drawings are shown different designs which may be employed. In Fig. 6 the punch cuts a circular opening 42 and an annular series of perforations 43. The opening 44 and perforations 45 are shown in Fig. 7 in the form of a numeral and in Fig. 8, numerals 46 are formed by the tattoo pins.

What is claimed is—

1. A device of the class described including a bar provided with a fork and having a supporting arm extending beneath the fork, a punch, means mounted in the fork for guiding the punch, a bar pivoted in the fork and arranged to actuate the punch, a cutter carried by the punch and a cooperating cutter mounted on the supporting arm.

2. A device of the class described including a bar provided with a fork having opposite guides, a punch operating in the fork, means mounted in the said guides for receiving and guiding the punch, a bar pivoted in the fork and arranged to actuate the punch and means carried by the first mentioned bar for cooperating with the punch.

3. A device of the class described including a bar having a fork provided with guides, a reservoir slidably interlocked with the said guides, a plunger extending through and guided by the said receptacle, a bar pivoted in the fork and arranged to actuate the punch.

4. A device of the class described including a bar having a fork provided with guides, a reservoir slidably interlocked with the said guides, a plunger extending through and guided by the said reservoir, a bar pivoted in the fork and arranged to actuate the punch, a spring mounted on the punch for lifting the same and a valve also mounted on the plunger and engaged by the said spring for covering the aperture in the said reservoir.

5. A device of the class described including a bar having a fork, a reservoir mounted in the fork, a punch extending through the reservoir and provided with the interiorly arranged support and marking devices mounted on and depending from the said support and extending through the bottom of the reservoir.

6. A device of the class described including a bar having a fork, a reservoir mounted in the fork, a punch extending through the reservoir and provided with the interiorly

arranged support and marking devices mounted on and depending from the said support and extending through the bottom of the reservoir, a supporting arm extending from the bar and located beneath the fork and means carried by the supporting arm for cooperating with the marking devices.

7. A device of the class described including a bar having a fork, a reservoir mounted in the fork, a punch extending through the reservoir and provided with the interiorly arranged support and marking devices mounted on and depending from the said support and extending through the bottom of the reservoir, a supporting arm extending from the bar and located beneath the fork, a female die mounted on the supporting arm and a cushion of elastic material arranged upon the female die and conforming to the configuration thereof.

8. A die of the class described including a bar provided with a fork and having a supporting arm extending beneath the fork, a reservoir mounted in the fork, a punch extending through the reservoir, a plate arranged within the reservoir and carried by the punch and having ink passages, a cutter depending from the plate, pins also depending from the plate, said cutter and pins ex-

tending through the bottom of the reservoir or receptacle, a bar pivoted in the fork for actuating the punch and a die member mounted on the supporting arm and cooperating with the cutter and pins.

9. A die of the class described including a bar provided with a fork and having a supporting arm extending beneath the fork, a reservoir mounted in the fork, a punch extending through the reservoir, a plate arranged within the reservoir and carried by the punch and having ink passages, a cutter depending from the plate, pins also depending from the plate, said cutter and pins extending through the bottom of the reservoir, a bar pivoted in the fork for actuating the punch and a die member mounted on the supporting arm and cooperating with the cutter and pins, a spring disposed on the punch for lifting the same and a valve engaged by the said spring and maintained by the same in tight contact with the reservoir for closing an aperture in the same.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

TOMÁS FERRADÁS AMOEDO.

Witness:

JOHN W. CONNELLY, Jr.