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J. E. COVEY

1,855,475

BRANDING DEVICE

Filed June 27, 1931

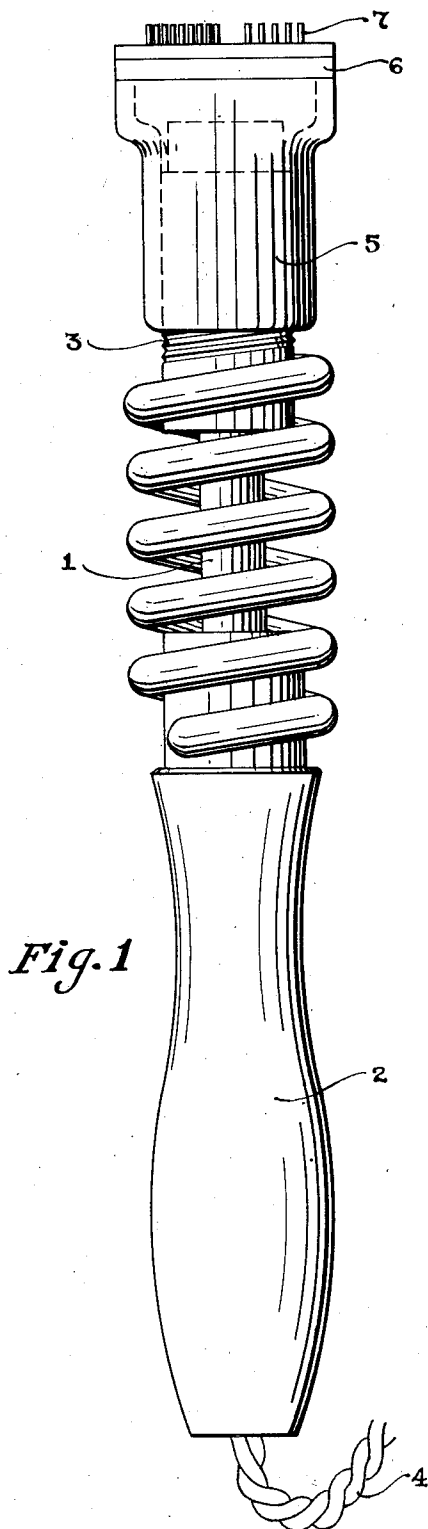


Fig. 1

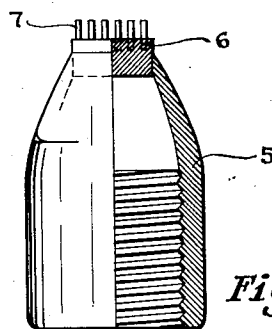


Fig. 2

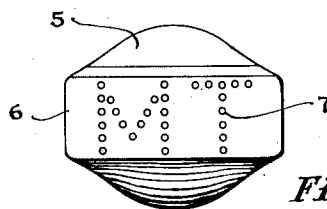


Fig. 3

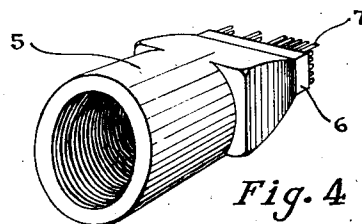


Fig. 4

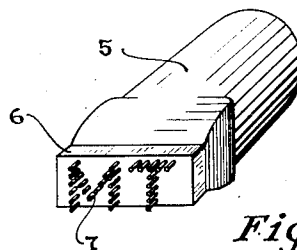


Fig. 5

WITNESS
H. C. Meiser.

John E. Covey,
INVENTOR,

BY *For W. Johns.*
ATTORNEY

UNITED STATES PATENT OFFICE

JOHN E. COVEY, OF CHICAGO, ILLINOIS, ASSIGNOR TO SWIFT AND COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS

BRANDING DEVICE

Application filed June 27, 1931. Serial No. 547,247.

The present invention relates to branding devices and more particularly to the type utilizing electricity as the thermal producing agent.

5 The invention provides a device of the character aforesaid, which is light, simple and capable of ready manipulation and which admits of easy and quick substitution and replacement of parts, as may be necessary in practice.

10 The invention relates to a hot-point device for producing a dot brand and in which the heat flows continuously and directly to the branding points, thereby providing an efficient instrument capable of continuous use.

15 While the invention is particularly designed for branding poultry and delicate meat bodies as it produces a clear and well defined mark without discoloration or blur, it is not restricted in this respect since it is susceptible of general application when sear marking is desirable.

20 The invention consists of an instrument of the well-known soldering iron type in which the branding tip is of peculiar formation, and readily detachable for replacement and substitution to adapt the device for marking different designs.

25 For a full understanding of the invention and the merits thereof, reference is to be had to the drawings hereto attached and the subjoined description in which corresponding parts are designated in the several views of the drawings and referred to in the specification by like reference characters.

30 In the drawings:—

Figure 1 is an elevational view of a branding instrument illustrative of an embodiment of the invention.

35 Fig. 2 is a detail view of the branding tip, partly in section.

Fig. 3 is an end view of the tip.

40 Fig. 4 is a perspective view of the tip looking towards the open end of the ferrule.

45 Fig. 5 is a perspective view of the tip as seen from the branding end.

The instrument comprises a shank 1 having a handle 2 at one end, and a head 3 at its opposite end containing an electric heating element. An electric cord 4 passes through the

shank 1 and handle 2 and connects with the heating element within the head 3 to supply current thereto for heating the device when required.

55 The branding tip is removably fitted to the head 3 and is preferably connected thereto by screw threads. This tip includes a ferrule 5 and branding element which closes the end of the ferrule and comprises a base 6 and searing points 7. The base 6 may be of copper and brazed or otherwise attached to the ferrule to form, in effect, a part thereof so as to offer little or no resistance to the flow of heat. The searing points 7 may be of steel or other preferred metal arranged to conform to the desired mark to be branded. The points 7 usually consist of pins set into the base 6 and projecting therefrom to any desired distance.

60 The body of the device has the general formation of an electric soldering iron, the soldering tip being replaced by a branding tip of desired design. The instrument is plugged into a light socket or other wall outlet, and when heated, is held perpendicular to the surface of the fowl or other meat body or carcass to be marked, and advanced to admit the points 7 to just puncture the skin, thereby searing the same and producing a clear dot brand without discoloration or blur.

65 It will be understood that the invention results in the provision of a branding device which is light, efficient and economical in use, and capable of supplying a number of different branding tips which may be readily applied to the same body.

What is claimed is:

70 A branding device comprising a shank, a handle at one end of the shank, an electric heating head at the opposite end of the shank, a ferrule threaded to the heating head, a base closing the outer end of the ferrule, and pins set into the base and projecting therefrom to provide searing points.

75 Signed at Chicago, in the county of Cook and State of Illinois, this 25th day of June, 1931.

JOHN E. COVEY.