No. 635,060. Patented Oct. 17, 1899.

G. RENNER & W. H. BOYENS.

APPARATUS FOR MARKING SHEEP, &c.

(Application filed June 9, 1899.)

(No Model.)

Fig. 1.

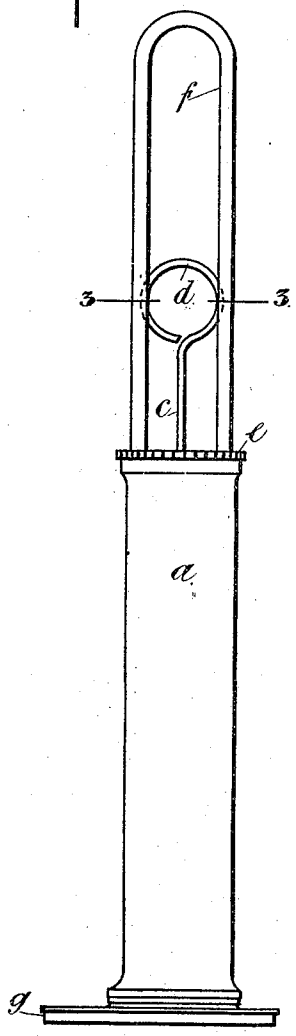


Fig. 2.

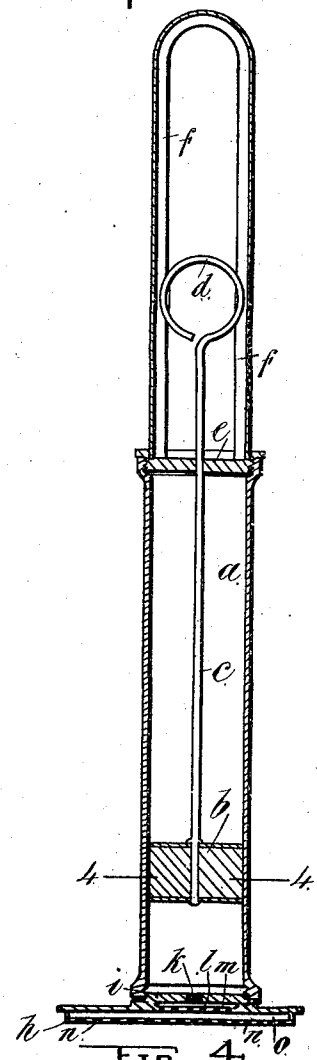


Fig. 3.

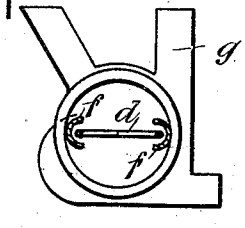
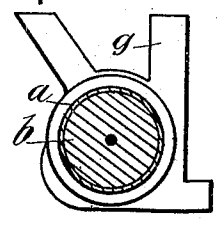


Fig. 4.



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE RENNER AND WILLIAM H. BOYENS, OF CHRISTCHURCH, NEW ZEALAND.

APPARATUS FOR MARKING SHEEP, &c.

SPECIFICATION forming part of Letters Patent No. 635,060, dated October 17, 1899.

Application filed June 9, 1899. Serial No. 719,919. (No model.)

To all whom it may concern:

Be it known that we, GEORGE RENNER and WILLIAM HENRY BOYENS, subjects of Her Majesty the Queen of Great Britain and Ireland, residing at 183 Hereford street, Christchurch, in the provincial district of Canterbury, in the Colony of New Zealand, have invented new and useful Improved Apparatus for Branding Sheep and Packages, of which the following is a specification.

This invention relates to the class of apparatus employed for branding sheep, woolbales, and other objects.

In branding apparatus with which we are acquainted paint or other medium for producing the brand-mark is placed within a reservoir containing an operable pad of porous material, by which some of the paint is transferred to the object to be branded through a stencil-plate. It is found in practice that this apparatus is defective in several respects, principally because the branding fluid is filtered through the pad, which becomes clogged.

According to our invention the branding fluid is drawn into a cylindrical container by a piston which works within it through a perforated plate of the shape necessary to produce the desired brand-mark.

In branding a sheep or other object a slight blow is struck with the brand, which causes some of the fluid to pass through the perforations, thereby producing the brand-mark. The piston checks the fluid from passing out unless the brand is operated as described.

In the accompanying drawings, Figure 1 is a side elevation; Fig. 2, a vertical central section; Fig. 3, a sectional plan on line 3 3, Fig. 1; and Fig. 4, a similar view on line 4 4, Fig. 2.

Similar letters of reference indicate the same parts in all the figures.

A cylindrical container *a* has a piston *b* upon a rod *c*, having a handle *d*, by which it may be operated. A cover *e*, screwed into the top of the container, is provided with a handle *f*, which is of oval section, to form a guard and guide for the handle *d* of the piston-rod. A brand *g*, comprising a shallow chamber *o*, the shape of the brand-mark it is desired to produce, has perforations *n* through the plate *h*, forming its under surface, and a screwed nipple *i*, taking into the screwed bottom of the container *a*. A hole *k* in the nipple *i* is of a size to prevent the branding fluid from flowing too rapidly into the chamber *o*, and perforations *l* in the plate *m*, forming the top of the chamber, fulfil the same purpose. The piston *b* is packed with string or other ordinary packing material.

In operation the branding fluid is drawn into the container *a* through the perforations *n*, the piston gradually descending as the fluid is used.

The piston is not operated by the hand in branding, except to draw fluid into the container.

What we do claim as our invention, and desire to secure by Letters Patent, is—

1. In combination in a branding-stamp, a stencil-plate, an ink-cylinder having an inlet thereto, a piston operating in said cylinder, a piston-rod having a handle extending through the cylinder, and a handle for said stamp forming a protecting-casing for the piston-handle, whereby said handle will be free to permit the downward feed of said piston when said stamp is applied, substantially as described.

2. In combination a cylindrical container for branding fluid a piston working therein a handle upon a cover of said container forming a guard for a handle by which the piston is operated and a branding device at the bottom of said vessel having perforations through which the fluid passes to produce the brand-mark substantially as and for the purposes herein described and illustrated.

Signed at Christchurch, in the provincial district of Canterbury, in the Colony of New Zealand, this 1st day of May, 1899.

GEO. RENNER.
W. H. BOYENS.

Witnesses:
ERNEST J. ANSTISS,
HEURATT RAYWARD.