

J. D. TRAPP.
BRANDING STAMP.

No. 187,785.

Patented Feb. 27, 1877.

Fig. 1.

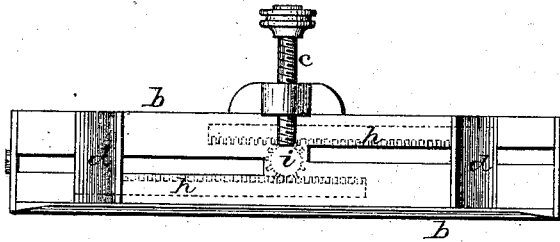


Fig. 2.

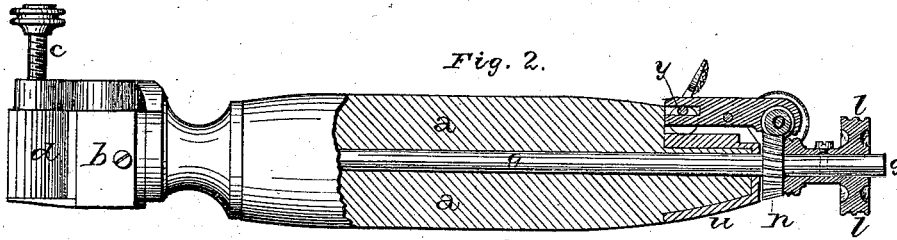
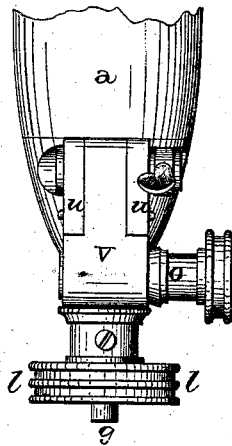


Fig. 3.



WITNESSES:

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INVENTOR:

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per
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att'y.

UNITED STATES PATENT OFFICE.

JOSEPH D. TRAPP, OF LEXINGTON, KENTUCKY.

IMPROVEMENT IN BRANDING-STAMPS.

Specification forming part of Letters Patent No. **187,785**, dated February 27, 1877; application filed January 18, 1877.

To all whom it may concern:

Be it known that I, JOSEPH D. TRAPP, of Lexington, in the county of Fayette and State of Kentucky, have invented certain new and useful Improvements in Lettering-Palettes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in lettering-palettes; and it consists in operating the slides or jaws by means of a shaft that passes through the handle, and which has a pinion on its upper end, for engaging with movable racks that are rigidly fastened to the jaws, whereby the jaws are moved back and forth. It further consists in the devices that are located at the end of the handle farthest away from the jaws, whereby the jaws can be rapidly adjusted or moved more slowly, but with greater power, all of which will be more fully described hereinafter.

The accompanying drawings represent my invention.

a represents a wooden handle, which has the type-bed *b* rigidly secured to one end, together with the set-screw *c*, that moves at right angles to the two jaws *d*. Through the top of the bed are made two slots, out of line with each other, down through which project the extensions from the under side of the jaws, which extensions are each rigidly fastened to a movable rack-bar, *h*, that moves back and forth in a closely-fitting groove made in the head for that purpose. Passing through the whole length of the handle, up into the bed, is a shaft, *g*, which has a small pinion, *i*, fastened to its end within the bed, and which meshes with both racks *h*, for the purpose of moving the two jaws back and forth, to clamp the type that is placed between, while the set-screw *c* clamps them from the side. On the opposite end of the shaft is fastened a large thumb-

wheel, *l*, by means of which the jaws can be rapidly moved back and forth. Secured to the shaft, between the end of the handle and the thumb-wheel, is a worm-wheel, *n*, with which the worm *o* engages, placed at right angles thereto, for the purpose of operating the shaft more slowly, but with greater power. The bearing *v*, in which this worm is placed, is pivoted or otherwise fastened between two ears on the ferrule *u*, and has a cam or other equivalent device, *y*, placed under its inner end, for raising and lowering the worm, so as to throw it in and out of gear with the wheel *n*.

By the arrangement of parts above described the jaws can be rapidly adjusted back and forth, or made to clamp the type with great power. All of the operating parts are removed farthest from the fire, so that the tool can be handled with greater ease and comfort, and great amount of time is saved.

This tool is especially designed for hand-stamping, stamping on leather, and for the use of book-binders.

Having thus described my invention, I claim—

1. In a lettering-palette, the combination of the screw *c*, head *b*, hollow handle *a*, pinion *i*, racks *h*, jaws *d*, shaft *g*, and the thumb-wheel *l*, substantially as specified.

2. A lettering-palette in which the jaws are moved back and forth by means of racks and pinion, substantially as described.

3. In a lettering-palette, the combination of a hollow handle, a shaft passing there-through, and a mechanism, substantially as described, for operating the shaft fast or slowly, substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of January, 1877.

JOSEPH D. TRAPP.

Witnesses:

D. W. STANDFORD,
DAVID C. FROST.