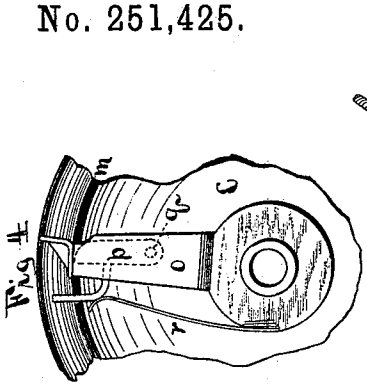
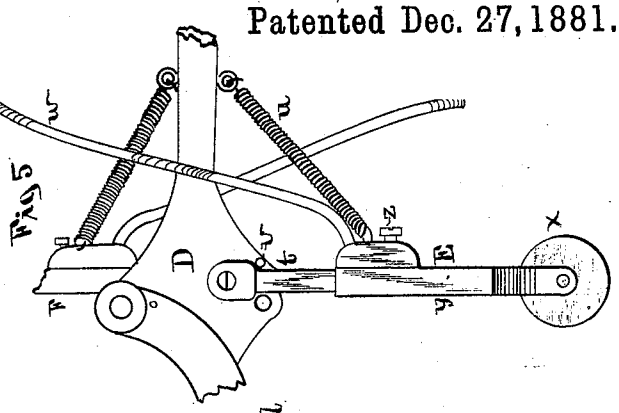
(Model.) 2 Sheets—Sheet 1.

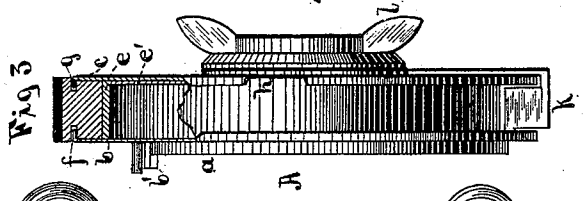
E. FARRAR.

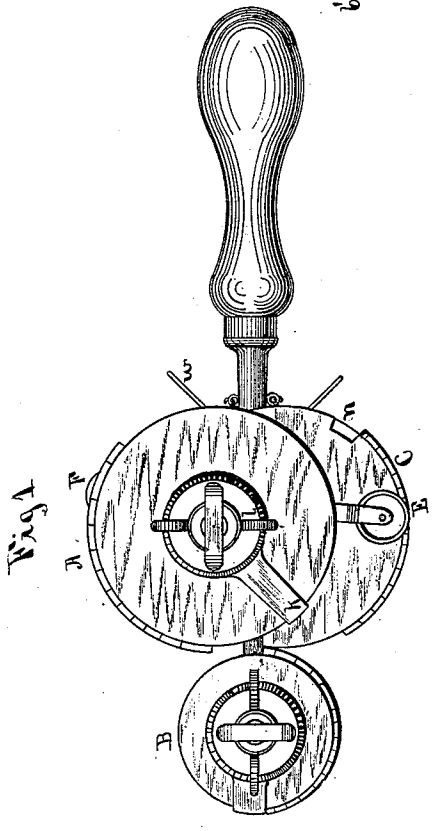
TYPE MARKING MACHINE.

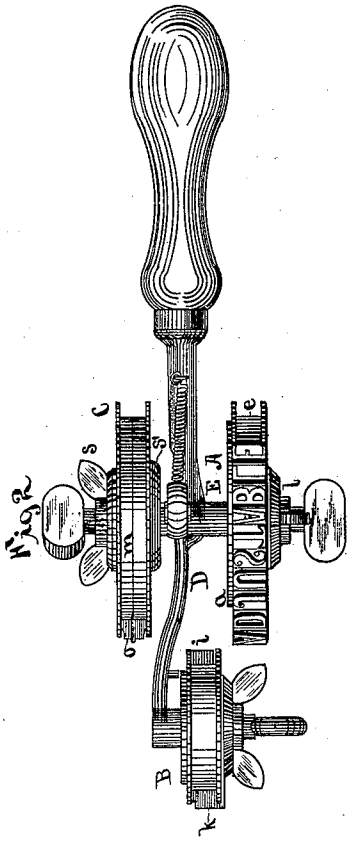
No. 251,425. Patented Dec. 27, 1881.











Witnesses.
William J. Granger
Millard R. Powers

Inventor
Emory Farrar
By George P. Barton
Attorney

N. PETERS. Photo-Lithographer, Washington, D. C.

(Model.) 2 Sheets—Sheet 2.

E. FARRAR.

TYPE MARKING MACHINE.

No. 251,425. Patented Dec. 27, 1881.

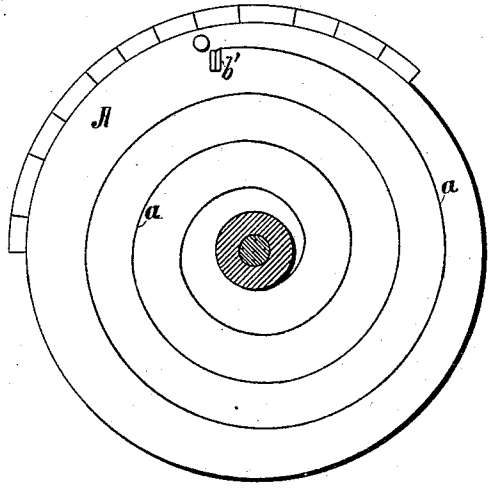


Fig 6

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UNITED STATES PATENT OFFICE.

EMORY FARRAR, OF NEW YORK, N. Y.

TYPE MARKING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 251,425, dated December 27, 1881.

Application filed July 30, 1881. (Model.)

To all whom it may concern:

Be it known that I, EMORY FARRAR, of New York, in the county and State of New York, have discovered a certain new and useful Improvement in Type Marking-Machines, of which the following is a full, clear, concise, and exact description.

My invention relates to type marking-machines or stamps, in which the type are carried upon wheels; and it consists in the combinations of parts hereinafter set forth.

Figure 1 is a side elevation, and Fig. 2 is a view from below, of my type-marker. Figs. 3, 4, 5, and 6 are details of portions thereof.

Like parts are indicated by similar letters of reference.

The frame D is provided with short arms projecting at right angles from its sides. The outer ends of the arms are bored out and tapped to receive wrist-pins. The type-wheels A B C turn upon these pins in parallel planes. Adjustable roller-guides E F are attached to the frame, as shown. The wheels A and B differ only in diameter, and are shown in detail in Fig. 3, in which *a* is the helical spring, a side view of which is shown in Fig. 6, attached to the frame and to the inner disk, *b*, of the wheel, as shown at *b'*. The wheel is run over the ink-pad or surface to be marked against the tension of this spring, and is brought back automatically to its normal position by its recoil.

c is the outer disk of the wheel, and *e* is the rim, which affords a support for the type. The rim *e* may be first placed about the disk *e'*, and then soldered to disk *b*. The edges of the outer disk, *c*, and the inner disk, *b*, project inwardly, as shown at points *f g*. The projecting edge *g* of disk *c* should be removed for a short distance, as shown at *h*, so that the type may be entered. The projecting edges *f g* fit the grooves provided in the type, which may be entered one at a time, and crowded along until the first one entered comes against the stop, which may be attached rigidly to the rim *e*. A stop, *i*, is shown on wheel B, Fig. 2. After the type are entered the clamp *k* is brought against the last one entered. The clamp is held by means of the thumb-screw *l*. The disk *c* moves independently, and the portion *h* may thus be brought to any position in respect to the clamp and stop. When the thumb-screw *l* is tightened the disk is held firmly in position.

Wheel C is divided through the center of the rim M, as shown in Fig. 2. The slot *n* (see Fig. 1) is provided in the wheel C, instead of simply removing a portion of the projecting edge, as shown at *h*, Fig. 3. This slot I find the more convenient form of opening. The type are entered or set one at a time in wheel C, and crowded around till arrested by a stop provided on the rim *m*. This stop is not shown in the drawings. It is similar to stop *i*, and is attached to one side only of the rim *m*. The type are held in place by means of the clamp *o*. (See Fig. 4.) The catch *p* (shown by dotted lines) is pivoted to clamp *o* at point *q*. The spring *r* normally holds this catch or stop *p* in the position shown, so that its upper end comes against the under side of the rim *m*. The clamp *o* is thus held in position. By pulling back on the catch or stop *p* against the tension of spring *r*, the catch or stop is turned on the pivot and the clamp is released. The clamp is designed to hold the type in position when placed upon the wheel.

The outer and inner disks of wheel C are held together by means of a thumb-screw, *s*.

The counterbalance-weight *s'*, Fig. 2, may be used instead of the helical spring to bring the wheel back to position after it has been used.

I place a spiral spring between the outer and inner disks of wheel C, around the hub. This spring tends to hold the two disks apart. By means of the thumb-screw the wheel may be adjusted to type of any size.

When the type are very small washers may be used.

In Fig. 5 adjustable guide E is shown in detail.

The leg *t* is pivoted to the frame, and held by spiral spring *u* against the stop *v*.

While inking a wheel the supporting-wheel may be swung forward by pressing the thumb upon the wire *w*.

The wheel *x* is held, as shown, by sleeve *y*, which may be adjusted at any height upon the leg by means of the set-screw *z*.

The type I find most desirable are of rubber fastened to a metallic base, preferably of brass.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The frame D, provided with parallel wrist-pins for the wheels, in combination with guides E and F, and screws for adjusting the sleeves to the legs, and springs and levers, one spring and one lever for each guide, whereby the guides may be held up while the wheels are passing over the ink-pad, substantially as and for the purpose specified.

2. The frame D, provided with three parallel wrist-pins for the wheels, two of said wrist-pins being on different sides of the widened portion of the frame, one higher than the other, so that only one of the wheels A C at the same time may touch the surface to be marked, the other wrist-pin being at the bent extremity of said frame, whereby the plane of wheel B is brought about midway between the planes of the said wheels A and C.

3. The combination of frame D, type-wheel C, guide-wheel E, spring *u*, lever *w*, and stop *v*, as and for the purpose specified.

In witness whereof I hereby subscribe my name in the presence of two subscribing witnesses.

EMORY FARRAR.

Witnesses:
W. E. FORT,
W. P. CLEAVER.