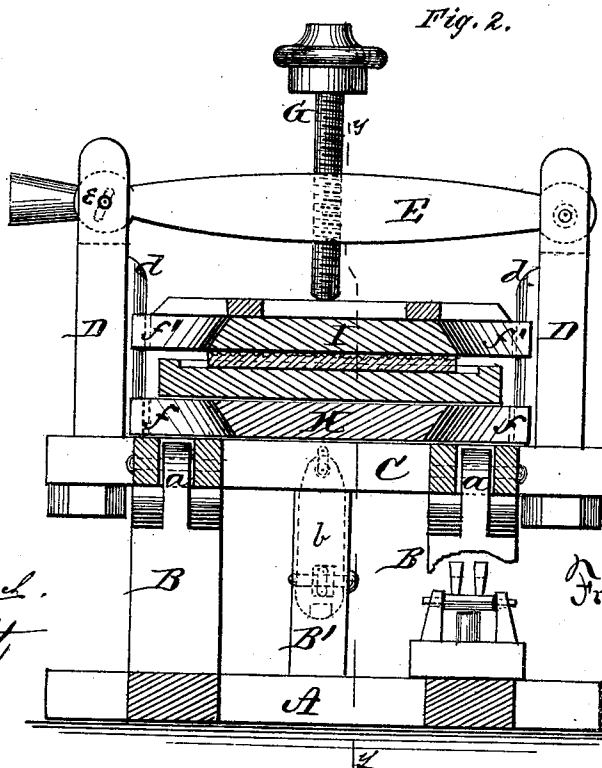
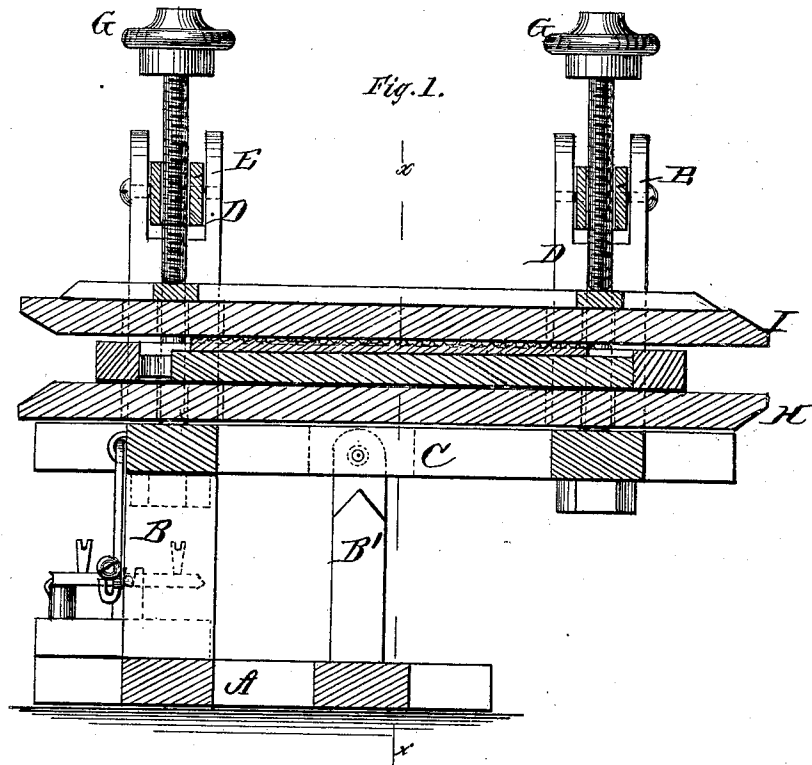


F. J. OTT.
Stereotype Machines.

No. 149,239.

Patented March 31, 1874.



WITNESSES:
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FRIEND JAMES OTT, OF GREENWICH, NEW YORK.

IMPROVEMENT IN STEREOTYPE-MACHINES.

Specification forming part of Letters Patent No. **149,239**, dated March 31, 1874; application filed February 19, 1874.

To all whom it may concern:

Be it known that I, FRIEND JAMES OTT, of Greenwich, in the county of Washington and State of New York, have invented certain new and useful Improvements in Stereotype-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in constructing a stereotype-machine with a bed that may be removed at will for heating purposes, and also with the bed and platen set off from the uprights at such proper distance that the chase and furniture of the form may extend beyond said bed and platen, thereby admitting of a form being worked nearly the whole size of the bed; and in the general construction and arrangement of the machine, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a longitudinal vertical section of my machine, and Fig. 2 is a transverse vertical section of the same.

A represents the bed-frame or base of my machine, upon which are two upright posts or standards, B B. The upper ends of these standards form tenons *a a*, which are passed upward into mortises made in the center of the side pieces of a frame, C, and said frame pivoted to these tenons so that it may be allowed to tilt toward one end. The tilting frame C, when placed in a horizontal position, is supported upon a post or standard, B', on the base A, and fastened to the same by a latch, *b*, or other suitable fastening device. Upon each side of the frame C are two uprights, D D, each provided with a vertical guide, *d*, on its inner side. The upper ends of all the uprights D are forked, and in those upon one side of the frame are pivoted cross-bars E, which are held in the forks of the uprights on the other sides by means of pins *e e*.

Through each of the cross-bars E passes a screw, G, to operate upon the top of the platen. The uprights D D are set off beyond the main part of the tilting frame C, and the bed H is extended out on both sides opposite said uprights, forming, as it were, arms *f f*, which are forked to straddle the guides *d d*. I represent the platen, which is also extended opposite the uprights, forming similar forked arms *f' f'*, to straddle the guides *d d*.

By this arrangement of setting out the uprights and extending certain portions of the bed and platen, the chase and furniture of the form to be stereotyped may project over or beyond the bed, so that the type, wood-engraving, stereotype, electrotype, &c., being copied, may take up nearly the full size of the bed, if necessary, thereby greatly enlarging the working room of the machine.

The arms of the bed and platen keep them in proper place by straddling the guides *d d*, as above described.

It will also be noticed that the bed H is removable, and can be taken out at any time for the purpose of heating.

It is, of course, understood that the machine is to be made of iron, steel, or other suitable metal.

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

1. The upright standards B B, having tenons *a a*, in combination with tilting frame C, bed H, and post B', substantially as and for the purpose herein specified.

2. The combination of the base A, posts B B', tilting frame C, uprights D D, with guides *d*, cross-bars E, screws G, bed H, with arms *f*, and the platen I, with arms *f'*, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

FRIEND JAMES OTT.

Witnesses:

GEO. R. SEAVILLE,
F. ELY.