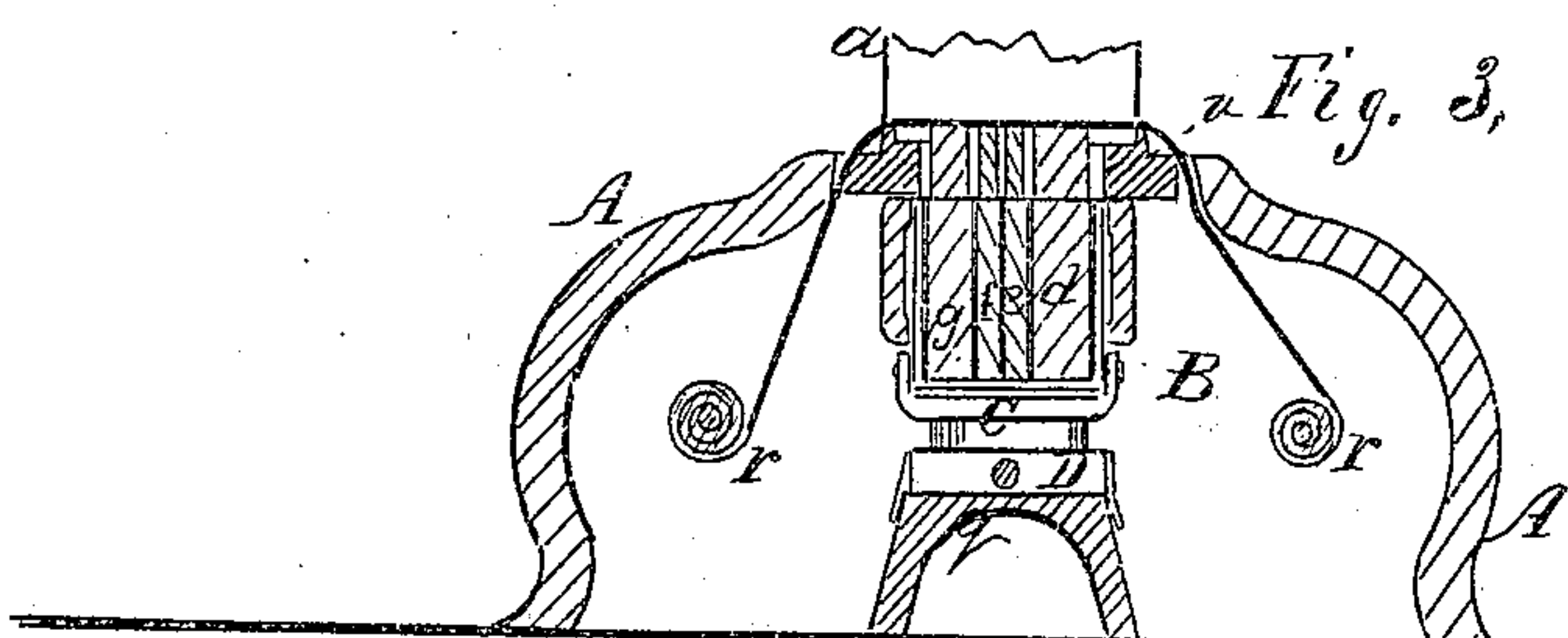
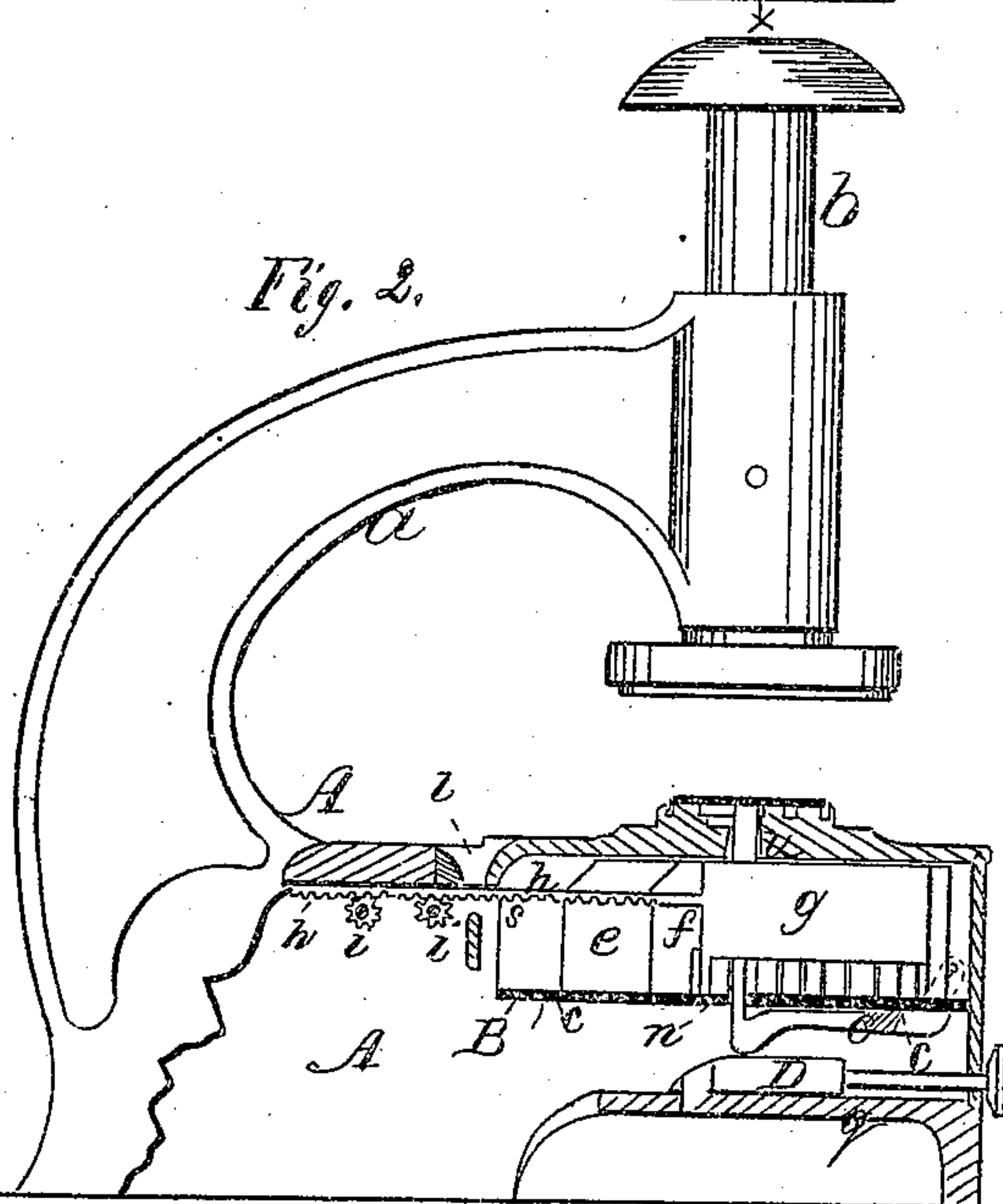
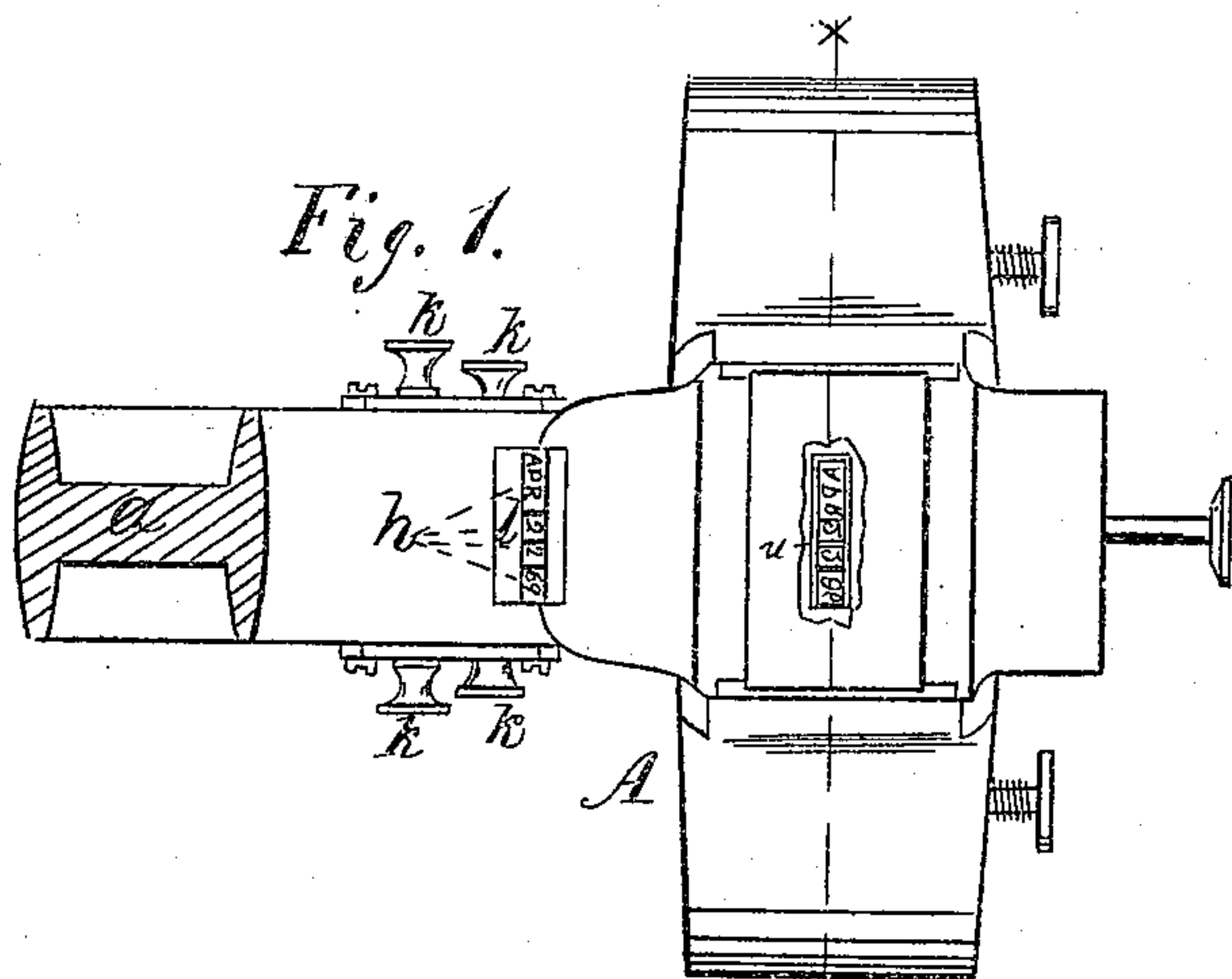


E. Bierstadt,
Hand Stamp.

No. 92147.

Patented July 6, 1869.



Edward Bierstadt
By J. Fowler & Co., attys

Witnesses

Chas. Davis.
Robert Jones

United States Patent Office.

EDWARD BIERSTADT, OF JERSEY CITY, NEW JERSEY, ASSIGNOR TO HIMSELF AND JAMES M. TOWER, OF SAME PLACE.

Letters Patent No. 92,147, dated July 6, 1869.

IMPROVEMENT IN HAND DATING-STAMPS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, EDWARD BIERSTADT, of Jersey City, in the county of Hudson, and State of New Jersey, have invented certain new and useful Improvements in Hand-Stamps; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a plan view.

Figure 2, an elevation of the same, part thereof being shown in section.

Figure 3, a section on the plane of line *x x*, fig. 1.

Like letters of reference indicate corresponding parts in all of the figures.

My improvement relates to the class known as ribbon hand-stamps.

Hitherto, in stamps of this kind, the changes of date have been effected by having the type engraved upon the edge of rotating discs, or upon dies which form the links of an endless chain, or by the removal and replacing of the types which form the word or number to be changed, requiring, in the former instances, complicated mechanism, and in the latter, much time for the accomplishment of a tedious operation; and it is the object of my invention to obviate these objections, and simplify the stamp to that extent that it may be used either for dating or for other purposes, separately or together, by the readiness with which one form or line of type may be brought into or removed from use, at the will of the operator.

My improvement consists in the employment of ordinary type; in adjustable and sliding cases, so arranged that certain letters or figures can be raised into position for printing when required, and withdrawn, for changing the date, or other purposes, without removing the type from the cases or forms, in which they are set by a wedge, cam, or other elevating and depressing-device; and in the combination of the indicator with the said type-frames, to enable the date and other changes to be made visible to the eye, the type being hidden by the ribbon; and in the manner of operating the same, substantially as hereinafter explained.

In the accompanying drawings—

A indicates the base of the machine, which is made hollow, to receive the type and operating-mechanism. It is also provided with a curved standard, *a*, in which is the platen, or plunger *b*, which is sustained by means of a spring arranged inside its bearing, in the usual manner.

Inside of the base, A, is situated a removable casing, B, for the type-forms, which rests upon lugs, or bearings, *c c*, of the base.

Within the form B is arranged a series of cases, *d e f g*, which contain the lines of type, each of which operate independently of the others. As, for instance,

the case *d* contains the type indicating the names of the months; the cases *e f*, the figures indicating the days of the month, (the case *f* containing the unit figures and *e* the tens;) and the case *g* the numbers of of the year.

The die having the inscription to which is to be added the date, number, or other change, may be an ordinary electrottype-plate, which covers the cases of changing-type described, and is provided with a slot, *u*, through which, when placed in coincidence, as hereafter described, the changeable type are made to protrude, and give an impression with that of the die. It is not necessary, however, that such a die should be used in connection with the changeable type, unless required.

Each case has a shank, or extension, *h h*, provided with a cog-rack, *s*, on the lower side, which rests over pinions, *i i*, and is operated by a thumb-piece, *k*, for the purpose of adjusting the cases to gauge the type at the proper point for printing.

On the upper side of the extended portions *h* are indicated the names of the months and dates, to correspond with the type contained in the cases.

These are so placed, that by turning the thumb-pieces *k* they present the required dates, or other inscription, opposite the register-opening *l* (as shown most clearly in fig. 1) when the corresponding type is at the proper point for being elevated into position for printing, as will be presently described.

On the lower side of the casing B is pivoted or hinged a dog-lever, C, preferably of the form shown in fig. 2, having a lip, *n*, which projects upward, through a slot in the bottom plate of the form-case, against a word or line of type that is to be elevated into position for printing.

Its free end rests upon the adjustable cam-wedge D, which slides back and forth on the bed *q*; to raise and lower the dog-lever, and through it the type, which has been placed in a coincident position with it.

I prefer to employ the ordinary ribbon, which is saturated with ink, and extends over the face of the type or dies, and is rolled upon reels, *r r*.

It will be perceived, that by the employment of the adjustable and sliding cases, the ordinary type may be used, without the necessity of removing and resetting the same, in order to change the dates or other inscription.

The operating and registering-devices are very simple, and perform their functions with accuracy, and in the most effective manner.

By this construction, and the ready facility for changes which it affords, a portion of the type or inscription, as, for instance, the date, may be alternately used or omitted, by merely changing the position of the cam-wedge C.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The employment, in hand-stamps, of parallel frames arranged side by side on a plane, to receive the type, when made adjustable, so that any word or number may be brought into position for printing, or retired therefrom, at will, substantially as herein set forth.

2. In combination with said adjustable type-frames, the cam, or wedge D, and dog-lever C, and wedge D, or their equivalent, arranged and operating substantially as and for the purposes described.

3. Also, the arrangement of the type, forming the words or numbers which compose the inscription of the stamp, in sliding cases which are moved in or out of range of the ribbon, by means of the extension *h h*

and the rack or pinion, or other suitable means, substantially as set forth.

4. Also, in combination with the sliding type-cases or forms, the indicating-device, consisting of the extensions *h h*, having characters marked thereon, which correspond with those of the type, which are concealed by the ribbon, and the register *l*, for gauging the position of the type, substantially as herein set forth.

In witness whereof, I have hereunto signed my name, in the presence of two subscribing witnesses.

EDWARD BIERSTADT.

Witnesses:

J. A. DAVIS,

WM. F. McNAMARA.