

H. Moeser.
Printing Addresses.

N^o 8175.

Patented Jun. 24. 1851.

Fig. 5.

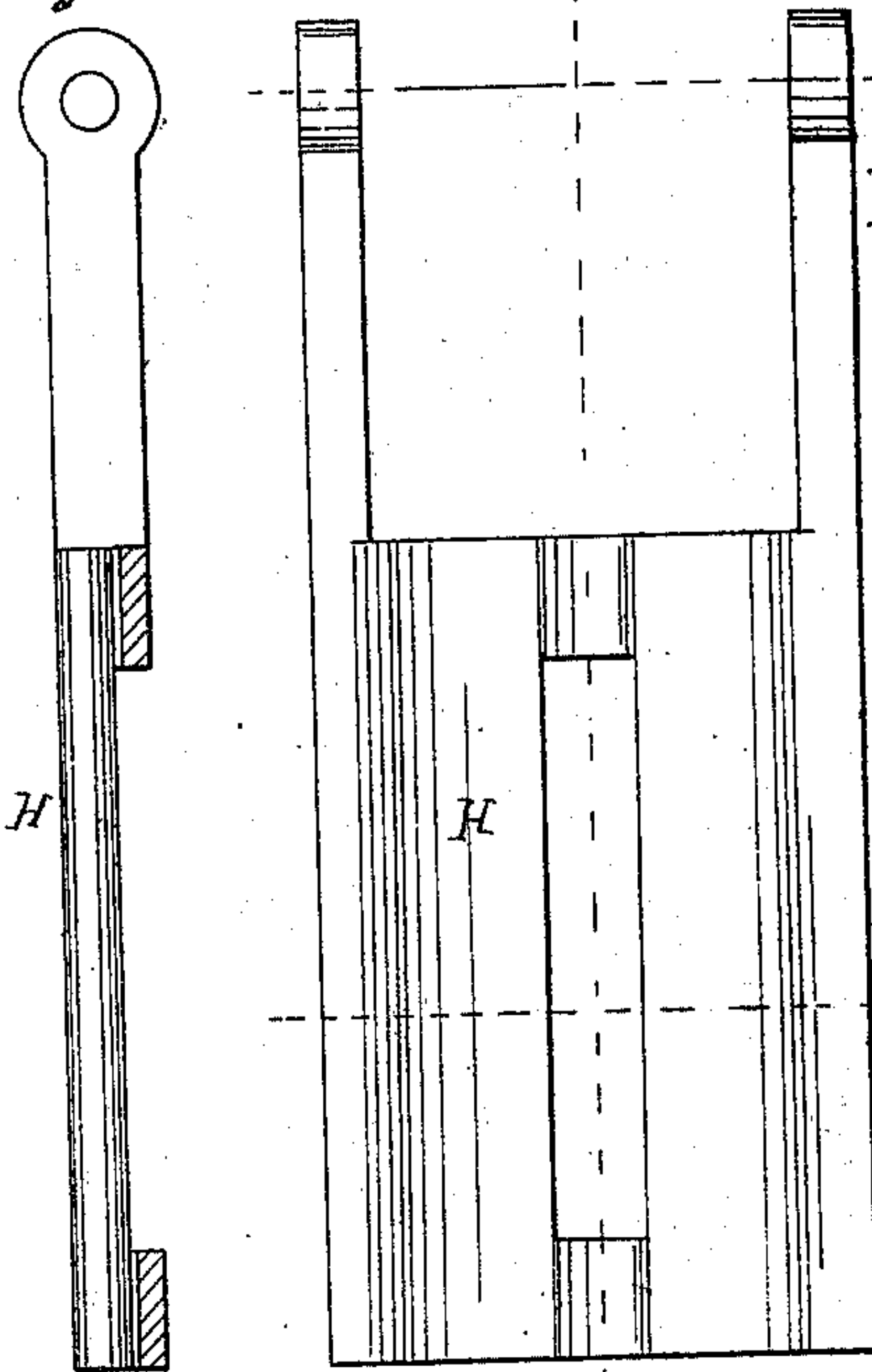


Fig. 4.

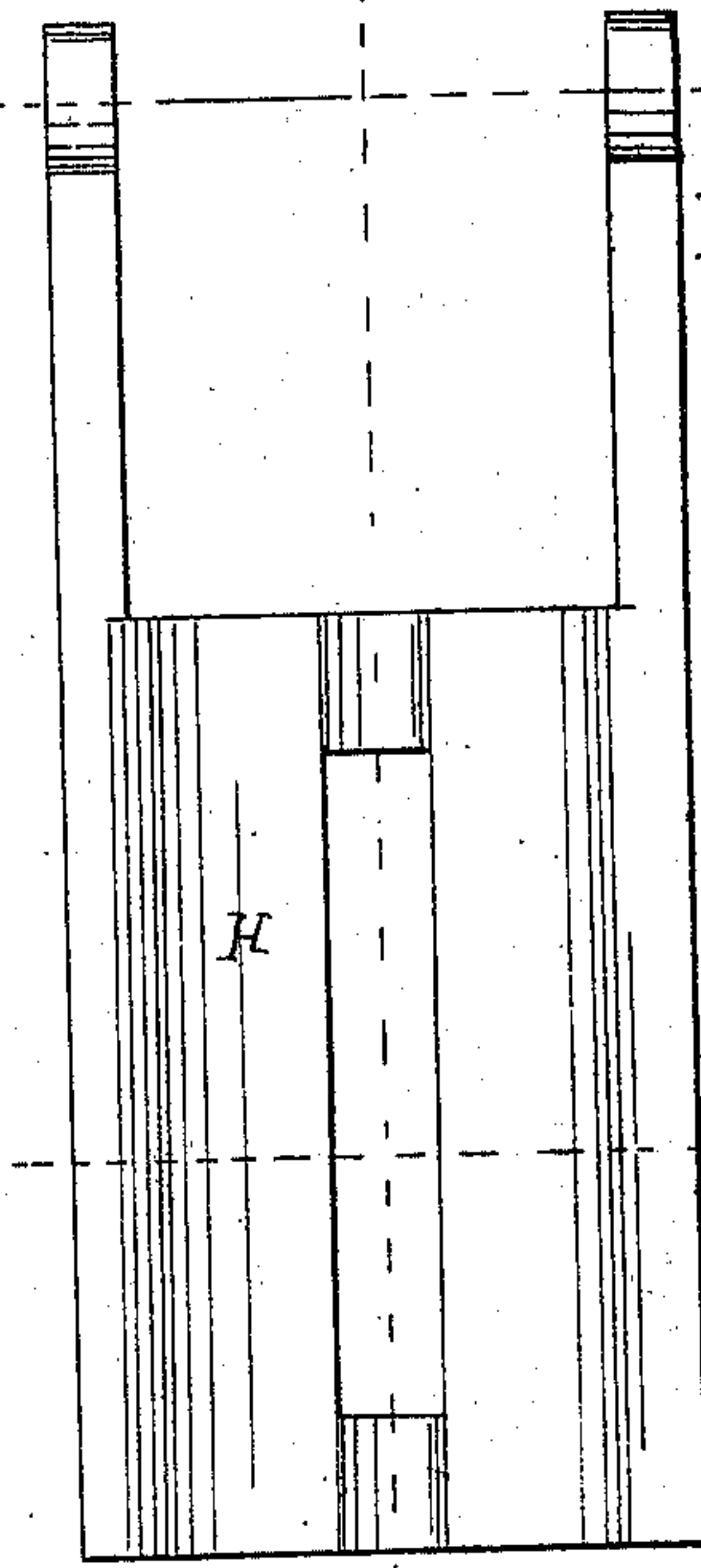


Fig. 7.

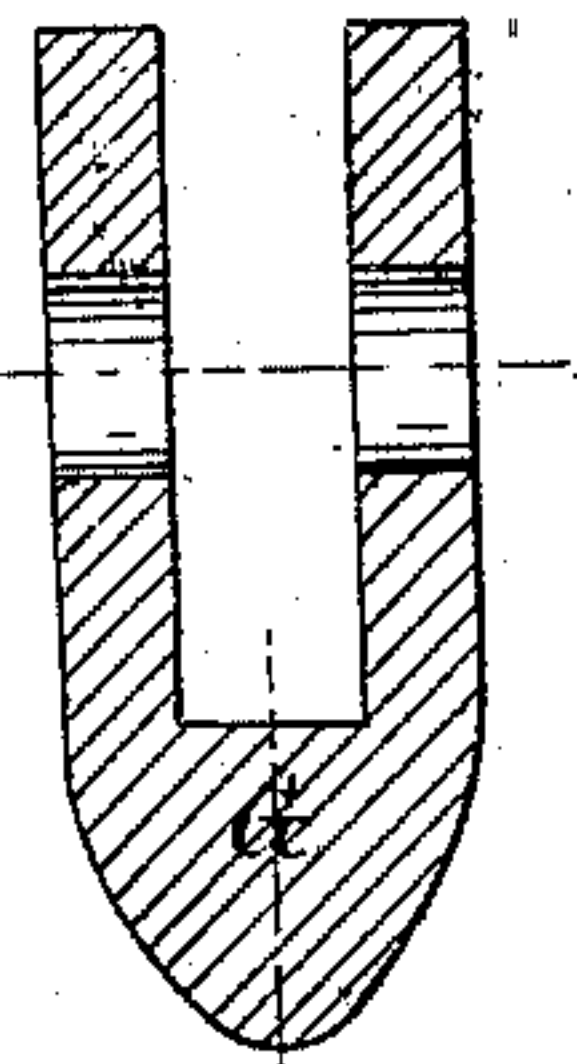


Fig. 6.



Fig. 7.

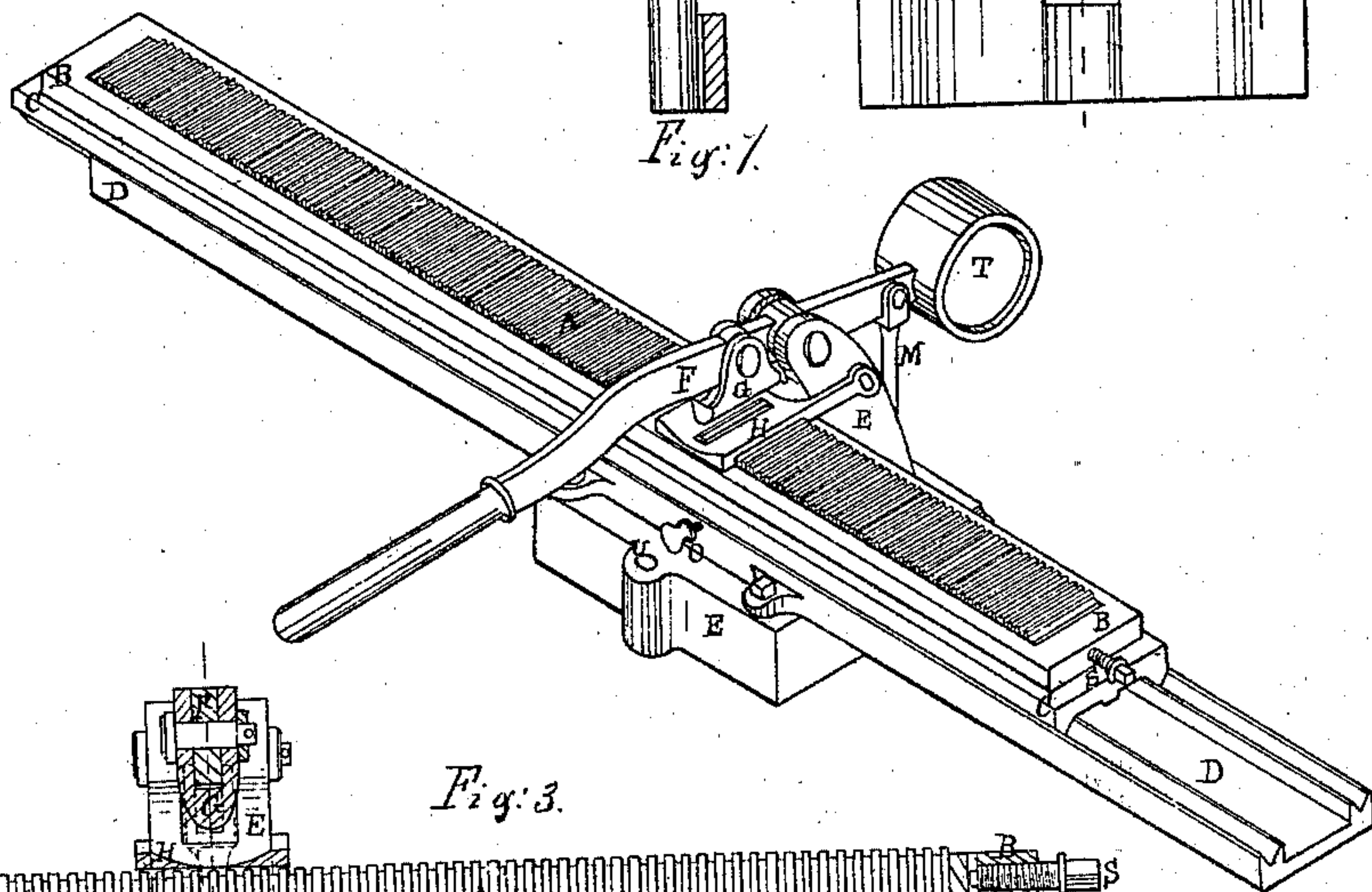


Fig. 3.

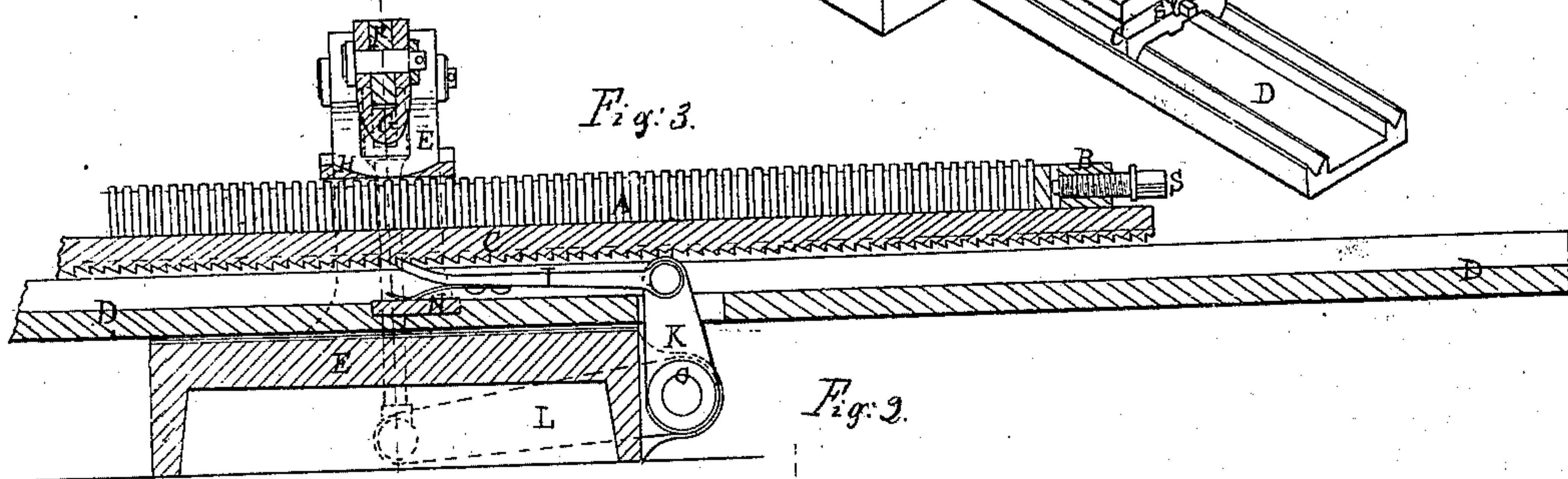
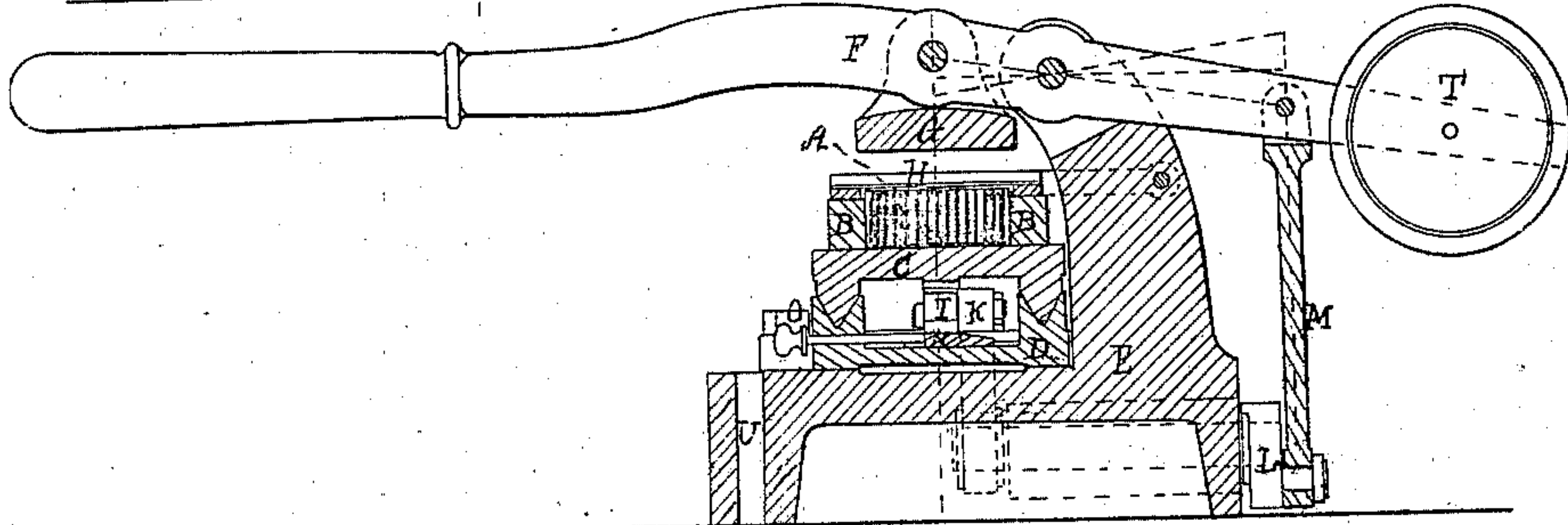


Fig. 2.



UNITED STATES PATENT OFFICE.

HENRY MOESER, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN PRINTING NAMES OF SUBSCRIBERS UPON NEWSPAPERS, &c.

Specification forming part of Letters Patent No. 8,175, dated June 24, 1851.

To all whom it may concern:

Be it known that I, HENRY MOESER, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Machine for Printing Names of Persons or Places on Newspapers and other Periodical Papers, Letters, &c.; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view; Fig. 2, a transverse vertical section; Fig. 3, a longitudinal vertical section; Figs. 4 to 7, a plan view and sections of some parts referred to in the following description.

The machine consists of levers, a slide, and a set of types, combined in such a manner that it is possible to print with it any number of names on papers or letters. Thus to print the names of subscribers on newspapers the following plan is pursued. The names (of persons or places) to be printed are set up in type in a column and secured in a form which moves by means of a slide beneath a stamp in such a manner that every word in the column, one after another, is exposed to the action of the stamp, and so that paper after paper brought between the stamp and the types gets the proper impression.

The same letters of reference indicate like parts.

A is the column of names to be printed set up in types.

B is the form or frame which contains the types, the letters being secured in it by means of the screw S.

C is a slide on which the form B rests.

D is the slide-bed on which the slide moves.

E is the foot on which, by means of some screws, the slide-bed is fastened. The foot is secured on any pedestal or table by some screws, for which purpose some holes (one of them is visible at U) are provided.

F is the main lever, with a handle by means of which the pressure is effected. T is a counter-balance of the lever.

G is the stamp which acts on the paper to be printed and presses it down on the types.

H is a plate, which lies close over the types,

but does not touch them. It is concave-shaped and provided with a slit. Fig. 4 is a plan view of it, and Figs. 5 and 6 longitudinal and transverse sections of the same in natural size. By this shape of the plate H, as well as by the rounded shape of the stamp G, (represented in Fig. 7 in transverse section in natural size,) any paper brought between the stamp and the plate is allowed to be pressed down on that line of the column of names which is left uncovered by the slit of the plate, while the paper at the same time is shielded from the lines adjoining that under action. The plate H is connected with the foot-piece E by a pin and supported by the form B.

I is a spring-pawl which meshes into the racks cut on the under-side of the slide C.

K is an arm connected with the spring-pawl by a pin.

L is another arm secured on the shaft of the arm K and connected with the main lever F by the link M. It is evident that each raising of the main lever will produce a motion of the slide, the proportion of the arms K and L being such that the advance of the slide at every stroke is equal to the distance of one rack on the slide from the other. This distance agrees with the distance from line to line in the column A.

N is a wedge with a handle O, which supports the spring of the pawl I. By drawing the wedge back the spring-pawl sets down and gets out of connection with the racks, so that the slide then may be moved freely on its bed.

Before the operation of the machine is to commence the whole set of names in the form is inked at once and put on the slide so that the first name in the column is right under the slit of the plate H, and the impression is effected then by holding the paper on which the name is to be printed under the stamp and by pressing the main lever down. By raising the lever again the slide moves by the action of the spring-pawl I so much that the second name of the column gets beneath the stamp, and if then another paper is brought under the stamp the second name will be printed on it by pressing the main lever down, and so forth, till the whole number of names is printed on the respective papers. If one

form is not sufficient to contain the whole list of names, a second or more forms may be applied.

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

The arrangement and construction of a machine for printing names of persons or places on newspapers and other papers after the manner substantially as described—viz., of a form containing the column of names to be printed set up in types, and being brought under the action of a stamp by means of a

slide moving by degrees, together with the application of a slitted plate, allowing the paper to be printed to be pressed down on the line right beneath the slit of the plate, and shielding the paper from the lines adjoining that under action of the stamp, as hereinbefore described.

HENRY MOESER.

Witnesses:

JOS. CASEY,

CHAS. MERRILL.