

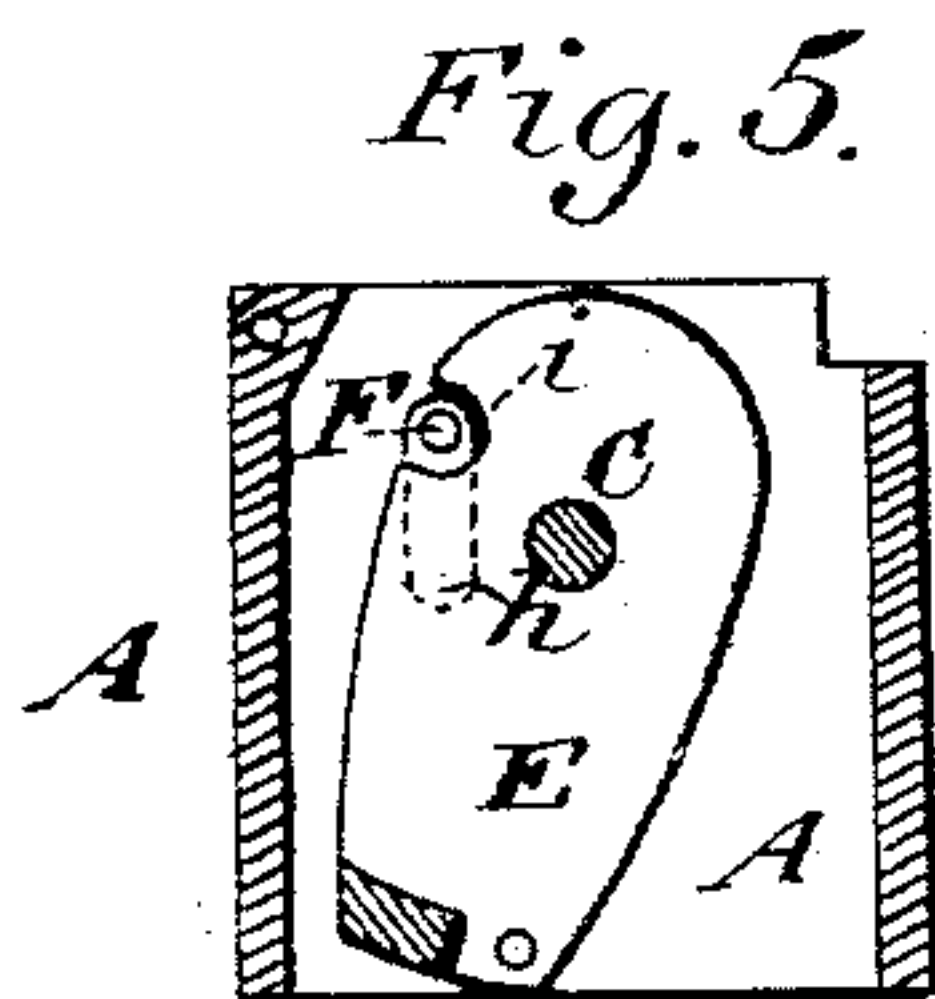
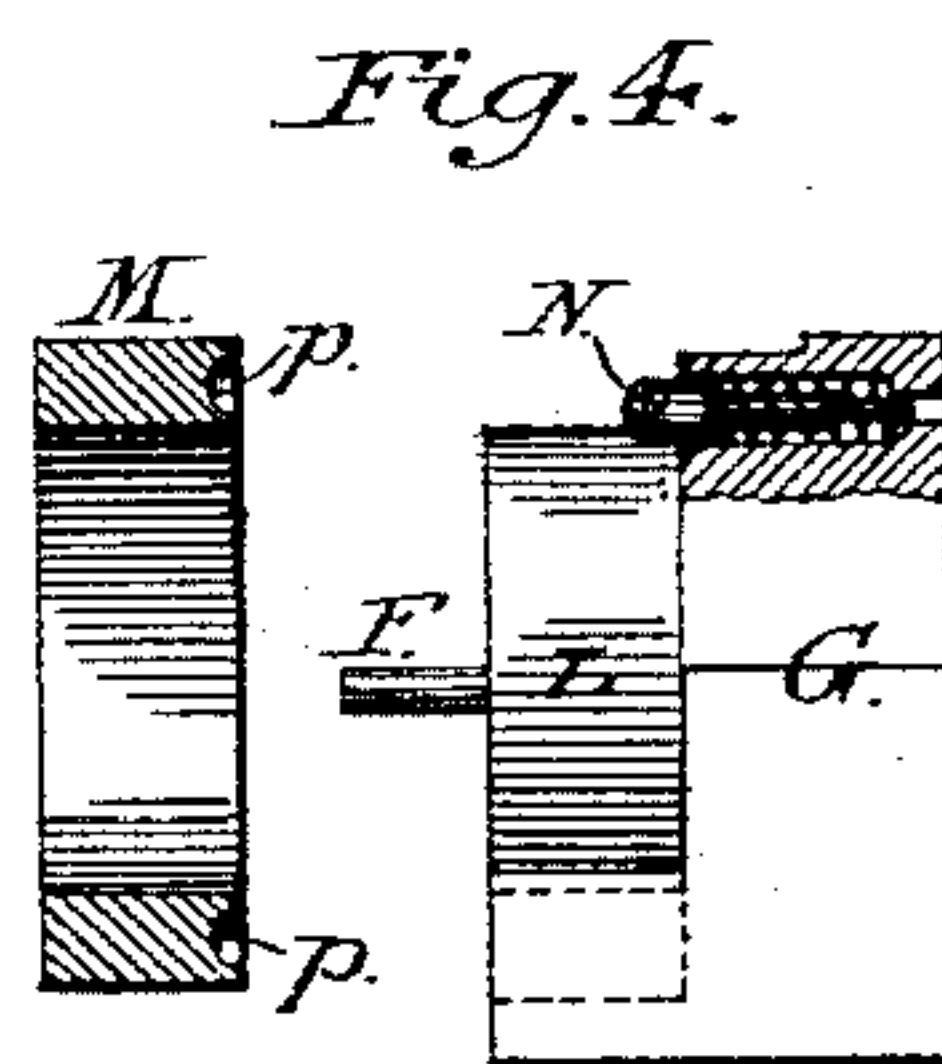
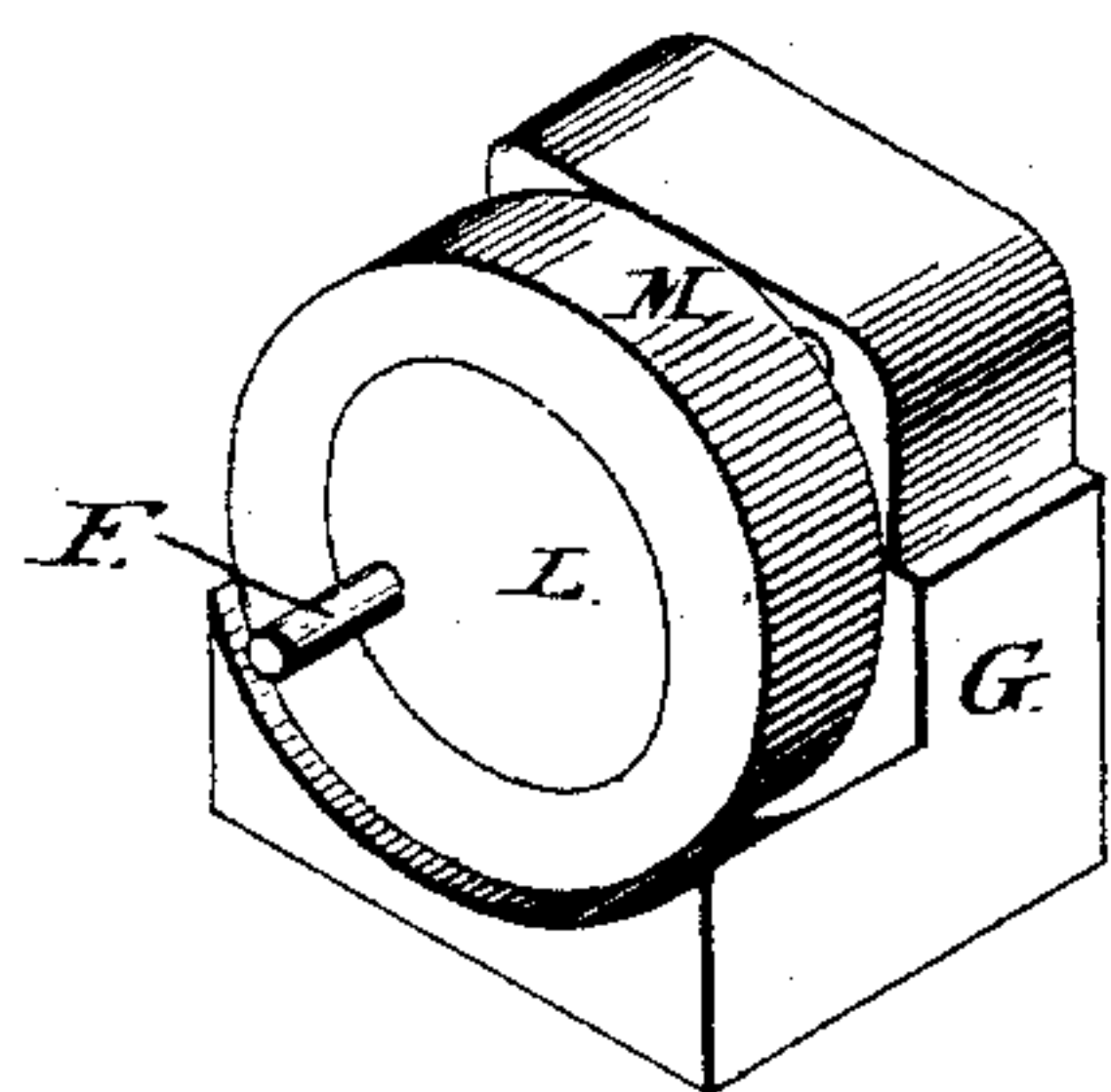
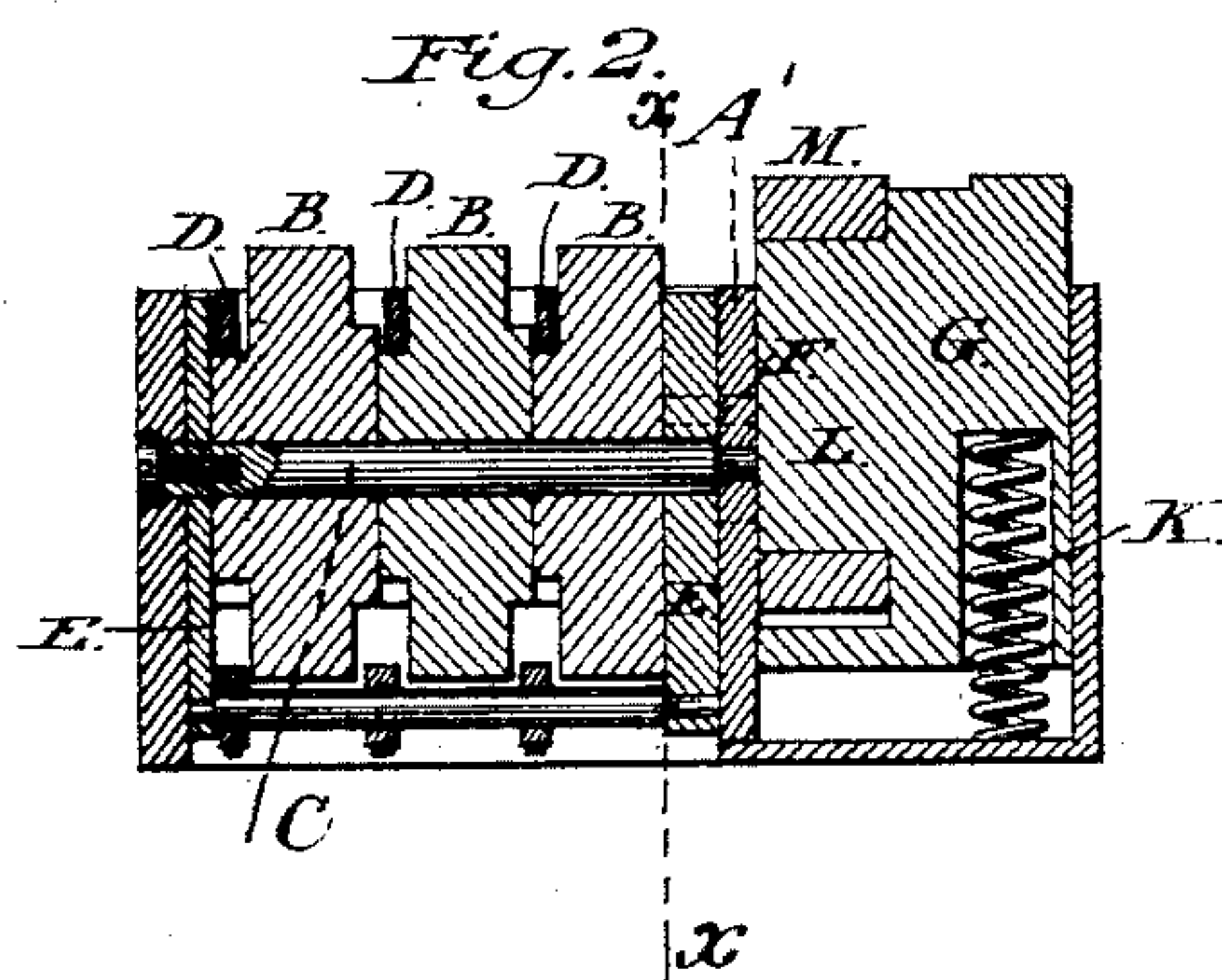
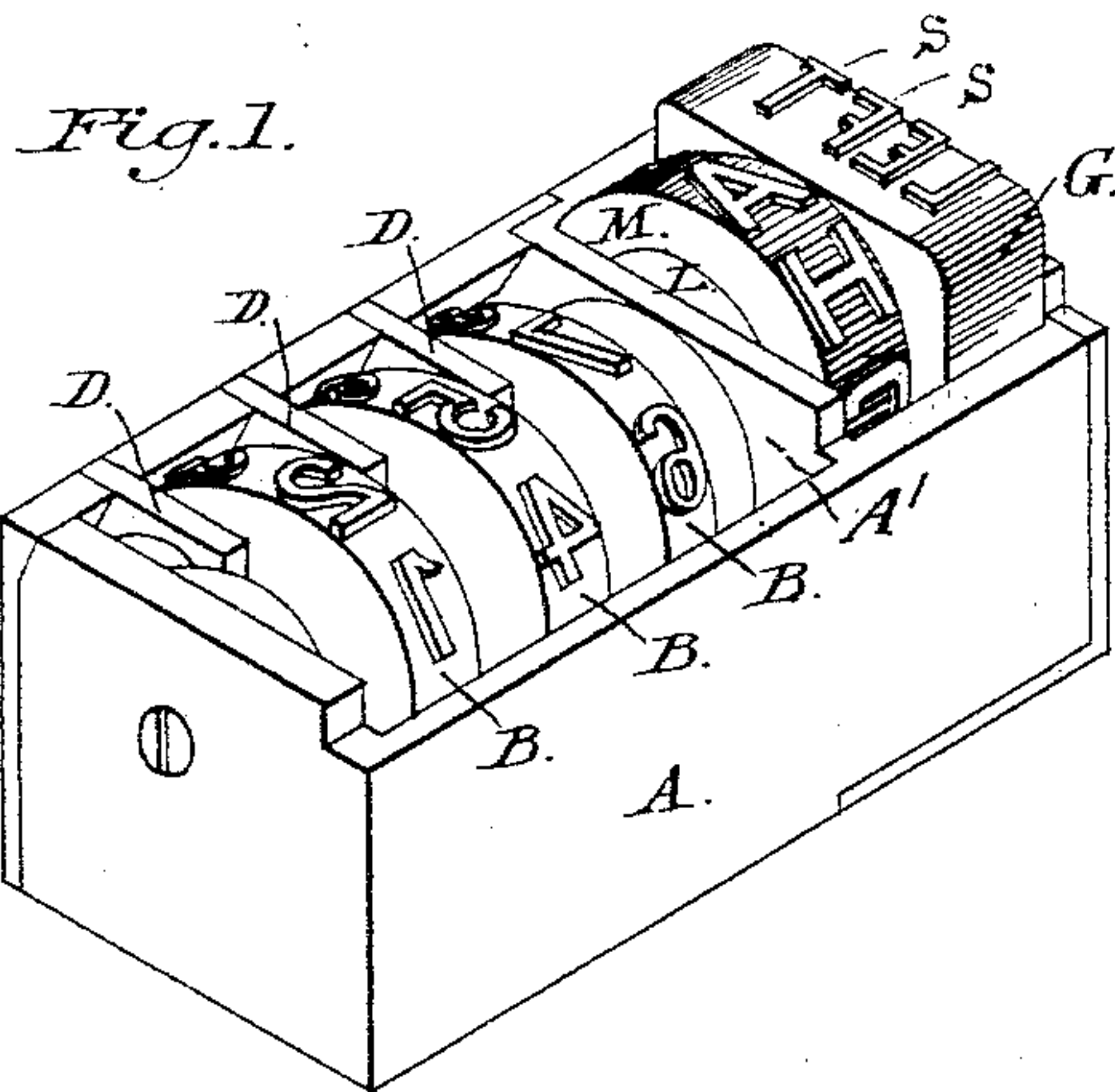
(No Model.)

J. H. REINHARDT.

CONSECUTIVE NUMBERING MACHINE.

No. 388,307.

Patented Aug. 21, 1888.



Attest:

John A. Ellis.
A. B. Moore.

Inventor.

James H. Reinhardt
By David A. Burr.
Atty.

UNITED STATES PATENT OFFICE.

JAMES H. REINHARDT, OF MEMPHIS, TENNESSEE, ASSIGNOR TO JOSEPH WETTER, OF SAME PLACE.

CONSECUTIVE-NUMBERING MACHINE.

SPECIFICATION forming part of Letters Patent No. 388,307, dated August 21, 1888.

Application filed July 6, 1885. Renewed July 16, 1888. Serial No. 280,123. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. REINHARDT, of Memphis, in the county of Shelby, in the State of Tennessee, have invented a new and useful Improvement in Consecutive-Numbering Machines; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to an improvement upon the consecutive-numbering machine invented by Charles S. Ellis, jointly with myself, and for which Letters Patent No. 318,803 were issued May 26, 1885, to James H. Reinhardt and George Schmalzried, as assignees.

In printing consecutively-numbered checks and tickets for various purposes it is often desired to issue them in series, to be distinguished severally by a letter of the alphabet. It is also desirable at times to print in line with the consecutive numbers dates or directions or other memoranda in brief; and the object of my invention is to facilitate the printing of such matters in close connection with the numerals printed by the numbering-wheels, and to permit a quick change thereof without removing the numbering device from the form or press or unlocking the form.

In the accompanying drawings, Figure 1 is a view, upon an enlarged scale and in perspective, of a consecutive-numbering machine constructed with my improvement; Fig. 2, a central longitudinal section of the same; Fig. 3, a view in perspective, upon the same enlarged scale, of the actuating-block and auxiliary type-wheel mounted thereon; Fig. 4, an elevation of the actuating-block, partly in section, with the auxiliary type-wheel shown in section as removed; and Fig. 5 a cross-section in line *xx* of Fig. 2, illustrating the swinging pawl-frame.

A is the case containing a series of numbering type-wheels, B B, mounted upon a common axial shaft, C, and actuated by the oscillation of a series of pawls carried by a swinging frame, E, which is swung back and forth by means of a pin, F, projecting from the end of a spring-seated vertically-reciprocating block or plunger, G, through a slot, *h*, in a parti-

tion, A', in the case into a notch, *i*, in the end of the frame. Each wheel to the right is made to turn so as to bring a new type thereon into line of print at each complete revolution of the wheel next to the left, the unit-wheel at the extreme left being made to change its type at each oscillation of the frame E, all in manner as is fully described in said Letters Patent No. 318,803, and which it is unnecessary herein to repeat.

The plunger or actuating-block G is mounted in a compartment at one end of the case A, to play therein vertically with an exact yet easy movement. Its upper surface is designed to form or be fitted with type *ss*. (see Fig. 1,) and when the block is depressed in its seat the top of the type is brought into line and plane of print with the type in the form in which the case A is locked. The block is kept normally in an elevated position by means of a spring, K, inserted under it. The side of the block next to the numbering-wheels is formed with a central cylindrical hub, L, made to project therefrom against the side of the compartment, and from this hub the pin F projects through a slot in the side of the compartment to engage the inclined slot in the swinging frame E. This hub L serves as the axis for a wheel or annular plate, M, mounted to turn freely and truly thereon. Upon the periphery of this wheel are formed or fitted type representing letters of the alphabet, or words or characters which it may be desired to have imprinted in connection with the numbers on the wheels B B and the characters on the block G. The thickness of the wheel or annular plate M is so proportioned that the face of the type on its periphery which may be uppermost and in line of print shall be in the same horizontal plane with that of the types on the block G, (as shown in Fig. 1,) and these types are confined when thus in line of print in manner to prevent their accidental displacement by means of a spring-actuated pin, N, playing horizontally in a recess in the side of the block G, (see Fig. 4.) against the inner face of the annular plate or wheel M, to enter and engage one of a series of slight recesses, *pp*, in said wheel formed in register with each of the type on its periphery. The engagement of the pin N with the wheel M is so slight as not

to prevent the wheel from being easily turned, but is yet sufficient to prevent its accidental movement in the use of the numbering-machine.

5 By means of this improvement, after a series of checks have been printed and consecutively numbered, each bearing the imprint of one of the letters or characters on the periphery of the wheel to designate the series—as, for ex-
10 ample, A—the wheel M may, without removing the numbering-machine from the form or press, and with but slight delay, be readily turned to bring the next letter or character—as, for instance, B—into line of print, the
15 numbering-wheels being reset to number consecutively a new series bearing this letter.

I claim as my invention—

The combination, in a numbering-machine,

with its numbering-wheels and with a plunger or vertically-reciprocating type-block actuat- 20
ing said wheels in manner substantially as described, of a type-wheel interposed between the numbering - wheels and plunger and mounted upon a journal projecting from the latter, to be carried thereby at each depression 25
thereof into line of print with the numbering-wheels, substantially in the manner and for the purpose herein set forth.

In testimony whereof I have signed my name to this specification in the presence of 30
two subscribing witnesses.

JAMES H. REINHARDT.

Witnesses:

WM. H. DRAKE,

WM. S. GUERINEAD.