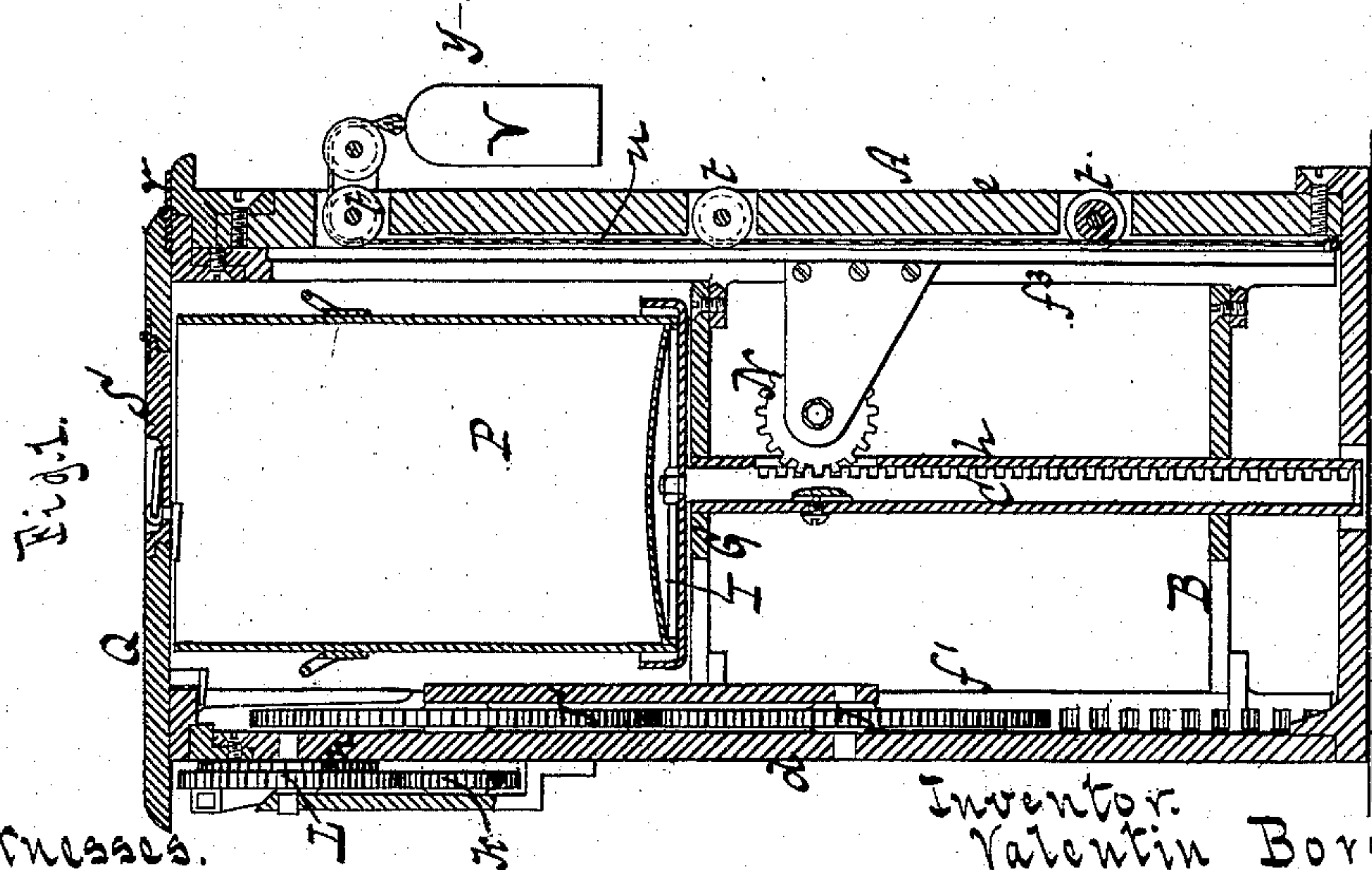
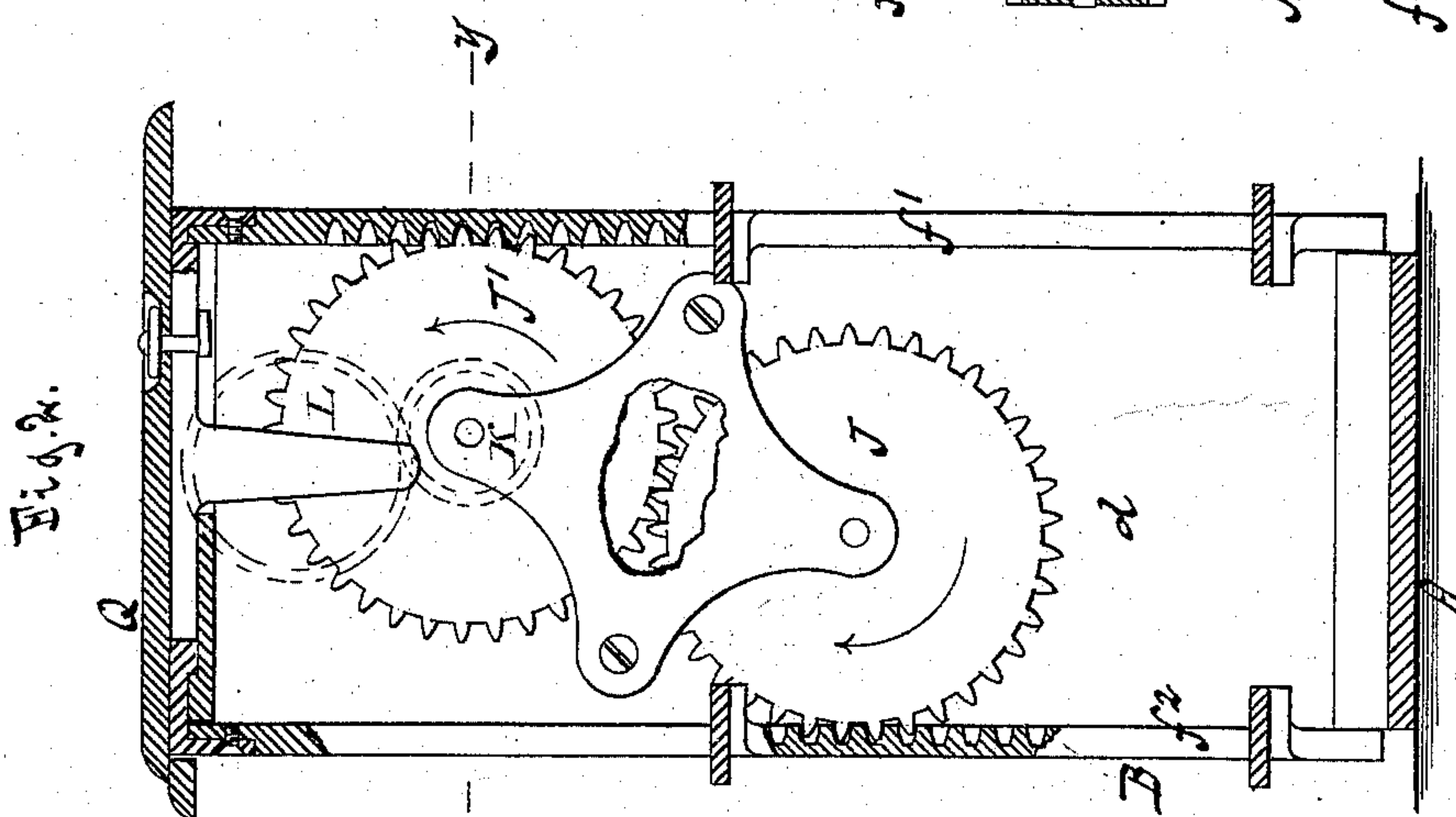
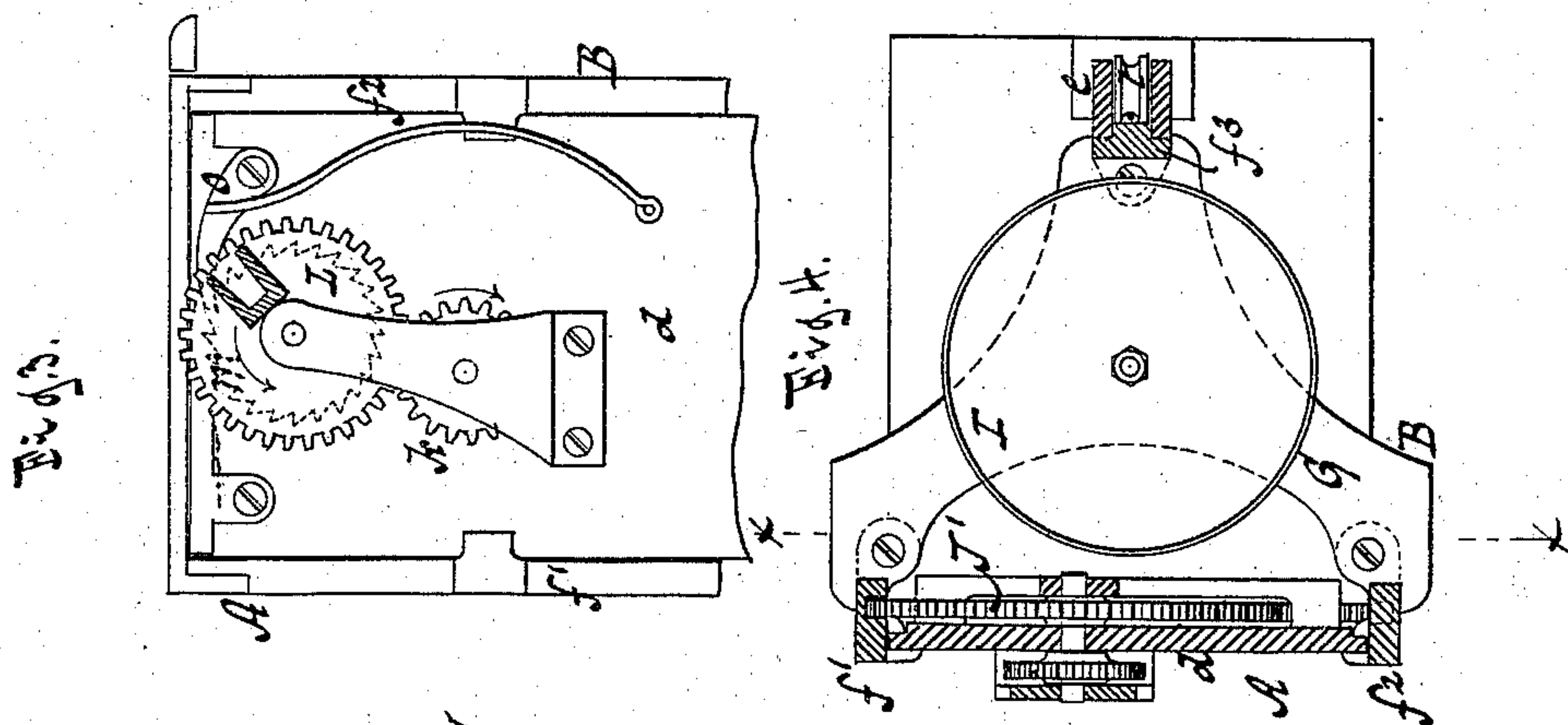


V. BORST.
Garbage-Receptacle.

No. 224,636.

Patented Feb. 17, 1880.



Witnesses.
Otto Stufel and
William Miller

Inventor.
Valentin Borst.
by Van Santvoord & Hauff
his attorn^ys.

UNITED STATES PATENT OFFICE.

VALENTIN BORST, OF NEW YORK, N. Y.

GARBAGE-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 224,636, dated February 17, 1880.

Application filed October 22, 1879.

To all whom it may concern:

Be it known that I, VALENTIN BORST, of the city, county, and State of New York, have invented a new and useful Improvement in Garbage-Receptacles, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a vertical central section of my apparatus. Fig. 2 is a like section taken in the line $x x$, Fig. 4. Fig. 3 shows a portion of the mechanism for elevating and lowering the platform-frame. Fig. 4 is a cross-section taken in the line $y y$, Fig. 2.

Similar letters indicate corresponding parts.

My invention relates to the arrangement of garbage-receptacles below the surface of the ground; and it consists in the combination of a main frame for arrangement in the ground, a vertically-movable platform-frame guided in the main frame, a vertically-movable standard guided in the platform-frame and carrying a top piece for holding a garbage-receptacle, and mechanisms independent of each other for elevating and lowering the platform-frame and the standard, so that the platform-frame may be elevated to bring its platform to a level with the surface and left in this position while the standard is raised to bring its top piece to a level with the top of a cart, thereby facilitating the dumping of the garbage-receptacle.

In the drawings, the letter A designates the main frame. B is the platform-frame, and C the standard.

The main frame A comprises an upright plate, d , and a standard, e , and the platform-frame consists of standards $f' f^2 f^3$, joined by top and bottom plates, and of the platform G , which is situated at a point below the tops of the standards. The standards $f' f^2$ engage the edges of the upright plate d , and the standard f^3 engages the standard e , so that the platform-frame is guided on the main frame.

The movable standard C is situated at or near the center of the platform-frame B, and this frame is provided with a sleeve, h , for guiding the standard, while the latter is provided with a top piece, I, which is above the platform G , and in this example is dish-shaped for holding a garbage-receptacle.

For the purpose of elevating and lowering

the platform-frame B, I make use of two cog-wheels, $J J'$, which engage with teeth cut in the standards $f' f^2$, and on one of whose shafts is a pinion, k , meshing with a cog-wheel, L, which is adapted to be turned by means of a key, and with which is combined a ratchet-wheel, m , and pawl o , while for the purpose of elevating and lowering the standard C, I use a pinion, N, which engages with teeth cut in the standard; but it is obvious that other mechanisms may be substituted for the ones described.

The main frame A is intended to be put into the ground, as below a sidewalk, and when the parts are lowered the platform-frame B is on a level with the main frame, while the top piece, I, of the standard rests on the platform G , which, being on a lower part of its frame, allows a garbage-receptacle, P, to be placed upon the top piece. When the garbage-receptacle is to be emptied the platform-frame B is elevated until the platform G is on a level with the surface or sidewalk, the standard C being carried with it.

The platform-frame B is left in the position named, and then the standard C is elevated until its top piece, I, is on a level with the top of the cart into which the garbage is to be emptied, when the receptacle can be readily upset or dumped. When this is accomplished the receptacle P is returned, and the standard and platform-frame lowered to their normal positions.

To the top of the main frame A is attached a cover, Q, hinges r being used for this purpose, and in this cover is arranged a gate or wicket, S. Both the cover Q and the gate S are equipped with locking devices, and the gate is on such a part of the cover that when it is lifted garbage can be deposited in the receptacle P through the gate-opening.

In the standard e of the main frame are pulleys t , over which runs a chain, u , one end of which is connected to the lower part of the platform-frame B, and to the other end of which is fastened a balance-weight, V. This weight V assists in elevating the platform-frame B, and also serves to sustain the same in an upper position.

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

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The combination, in a garbage-receptacle, of
a main frame for arrangement in the ground,
a vertically-movable platform-frame guided in
the main frame, a vertically-movable standard
5 guided in the platform-frame and carrying a
top piece for holding a garbage-receptacle, and
mechanisms independent of each other for
elevating and lowering the platform-frame and
the standard, all constructed and adapted for
10 use substantially as described.

In testimony that I claim the foregoing I
have hereunto set my hand this 5th day of Sep-
tember, 1879.

VALENTIN BORST.

Witnesses:

WILLIAM MILLER,
CHAS. WAHLERS.