

J. H. REINHARDT,
AUTOMATIC CLEANING DEVICE FOR NUMBERING MACHINES.
APPLICATION FILED JAN. 16, 1915.

1,242,373.

Patented Oct. 9, 1917.

Fig. 3.

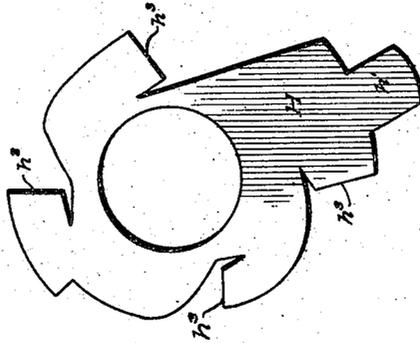


Fig. 2.

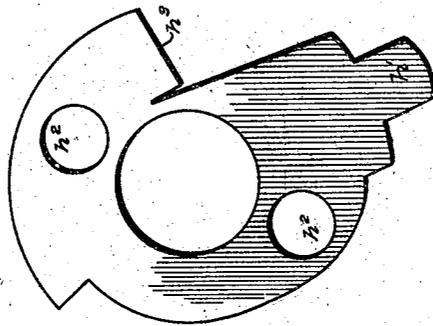
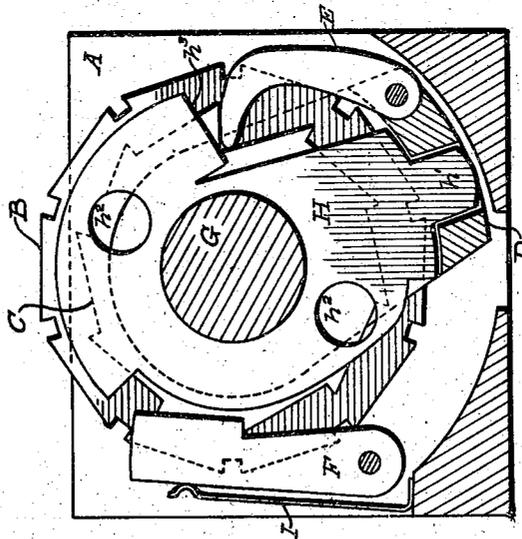


Fig. 1.



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Witnesses:
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UNITED STATES PATENT OFFICE.

JAMES H. REINHARDT, OF EAST ORANGE, NEW JERSEY.

AUTOMATIC CLEANING DEVICE FOR NUMBERING-MACHINES.

1,242,373.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES H. REINHARDT, a citizen of the United States of America, and resident of East Orange, New Jersey, have invented a new and useful Improvement in an Automatic Cleaning Device for Numbering-Machines, of which the following is a specification.

The object of my invention is to provide automatic means for cleaning numbering wheels, thus overcoming the tendency of the wheels to advance at the wrong time caused by the wheels sticking together by ink and dust that has accumulated on their sides while at rest, and, while it relates, primarily, to numbering machines known as type high machines, it is evident that it could be used on other kinds without departing from the spirit of the invention. Also in counting machines and all machines of this class where some of the wheels remain stationary or at rest for a longer or shorter period.

Reference is to be had to the accompanying drawings, which are enlarged views of a type-high machine, forming part hereof, wherein—

Figure 1 is a cross section of a numbering machine embodying my invention, Fig. 2 and Fig. 3 show two shapes of a cleansing disk either one of which could be used and, no doubt, other shapes also could be used. I, therefore, do not limit myself to any particular shape.

The letter A in the drawing indicates an end frame of a numbering machine, which carries the shaft, G, on which the wheels B, the cleansing disk H, and the swinging pawl frame D, with its pawl E, are mounted.

The cleansing disk H, located between two numbering wheels, has a tab h' which projects beyond the periphery of the numbering wheels into a hole in the yoke of swinging pawl frame D, so that, as the pawl frame is made to swing back and forth to advance the numbers on the numbering wheel, the cleansing disk will also swing back and forth, thus rubbing the sides of adjacent numbering wheels so that the scraping edges h^3 and oil holes h^2 will keep the numbering wheels cleaned and lubricated at all times.

The edges h^3 on cleansing disk H are shaped to scrape against the sides of the numbering wheels on the backward movement of the swinging pawl frame D, because any tendency to carry the numbering wheels backward is checked by hold-fast pawl F, under stress of spring I.

Having now described my invention, what I claim is—

In a numbering machine, the combination with a numbering head comprising a shaft and numbering wheels mounted thereon, of disks mounted on said shaft and between said numbering wheels, said disks having scraping edges, and means for oscillating said disks on said shaft, in the manner and for the purpose set forth.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two witnesses, this fifteenth day of January 1915.

JAMES H. REINHARDT.

Witnesses:

JOHN I. GRIEBEL,
JOHN B. ANDERSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."