C. W. VAN VLEET.

Addressing Machine.

No. 162,872. Patented May 4, 1875.

Fig. 1.

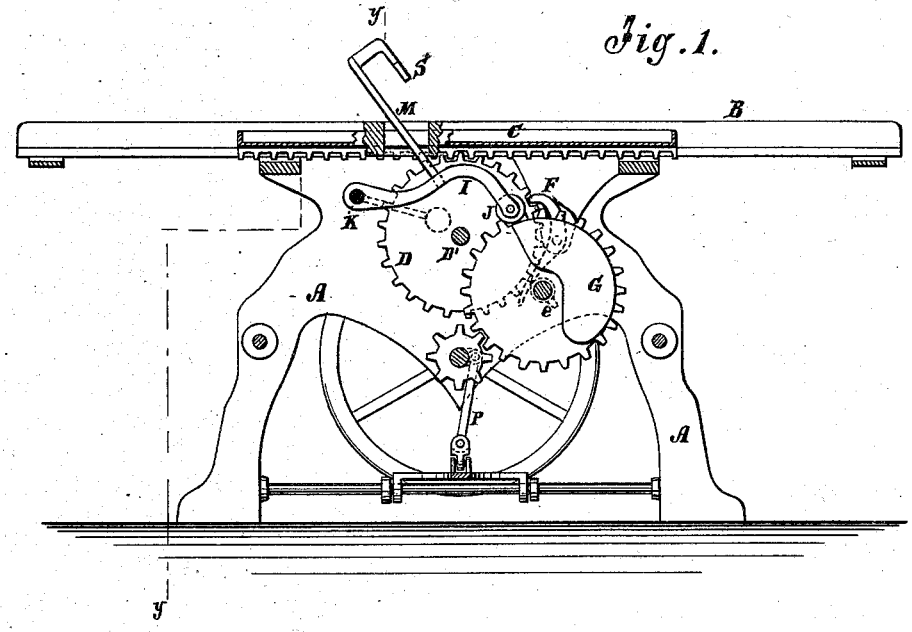
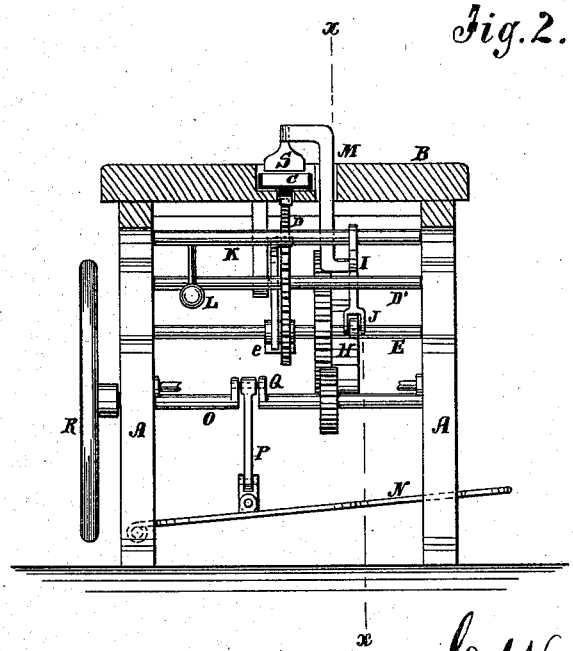


Fig. 2.



WITNESSES:

A Bennett Notary

A. J. Terry

INVENTOR:

C. W. Van Vleet

BY

ATTORNEYS.

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

CHARLES W. VAN VLEET, OF WATERLOO, NEW YORK.

IMPROVEMENT IN ADDRESSING-MACHINES.

Specification forming part of Letters Patent No. **162,872**, dated May 4, 1875; application filed February 13, 1875.

To all whom it may concern:

Be it known that I, CHARLES W. VAN VLEET, of Waterloo, in the county of Seneca and State of New York, have invented a new and useful Improvement in an Addressing-Machine, of which the following is a specification:

This invention relates to the construction of machines for addressing newspapers, &c., for mailing; and consists in the construction and arrangement of parts hereinafter described.

In the accompanying drawing, Figure 1 is a vertical section of the machine, taken on the line *x x* of Fig. 2. Fig. 2 is a section of Fig. 1, taken on the line *y y*.

Similar letters of reference indicate corresponding parts.

A is frame, which rests upon the floor, and which supports on its top a long grooved table, B. C is the type-galley, having cogs on its under side, which mesh into the cogs of a spur-wheel, D, beneath which (on the shaft D′, by means of a slot in the groove) is given an intermitting motion by means of a hub on the shaft E, having a single cog, *e*, thereon, which, at every revolution it makes, engages with the cogs of the spur-wheel D, and turns the wheel a short distance. The wheel D is held stationary by the spring-pawl F, the tail of which is depressed by the single cog, which raises and disengages the end of the pawl from the wheel. The shaft E also carries a spur-wheel, G, which has attached to its side a semicircular cam, H. I is an arm, having a friction-roll, J, upon its end, which engages with the cam H, and at every revolution of the wheel G is raised about half the diameter of the wheel. This arm is attached to the shaft K. L is a weight, attached to a rod, which rod is attached to the shaft K, which weight serves to bring the arm I down when it leaves the cam. M is a bar, attached to about the middle of the arm I, which extends upward through the table, and is bent so as to act as a platen on the paper to be addressed, as it stands directly over the type-galley, as seen in Fig. 2.

The machine is operated in this example of my invention by a treadle, N; but it may be operated by any motive power.

O is the driving-shaft, and the treadle is connected with it by the rod P, which revolves the shaft by means of the crank Q. R is a fly-wheel on the driving-shaft, outside the machine.

The operation of the machine will be readily understood. The type are placed in the galley C, with the various addresses properly set up and inked, and the paper wrappers are placed beneath the platen S, which is pressed down by the weight, and raised by the cam, while, after every impression, the galley C is moved a short distance to bring the next address into proper position, and so on for the whole galley, when other prepared galleys may be introduced and printed from in the same manner.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In an addressing-machine, the combination, with the toothed galley, sliding on table B, of spur-gear D, cam-wheel G, pivoted arm I, and platen-carrying arm M, substantially as shown and described, for the purpose specified.

2. In an addressing-machine, the combination of tooth *e* on revolving shaft E, the lever-pawl F, spur-wheel D, toothed galley C, and wheel G, having cam H, the pivoted bar I, and its rigid arm M, working through the table B, and carrying platen S, all as shown and described.

CHARLES W. VAN VLEET.

Witnesses:

STERLING G. HADEY,
HUGH MONTGOMERY,
GEO. H. HULBERT.