(No Model.)

A. HITT.

TYPE WRITING MACHINE.

No. 455,748. Patented July 14, 1891.

Fig 1.

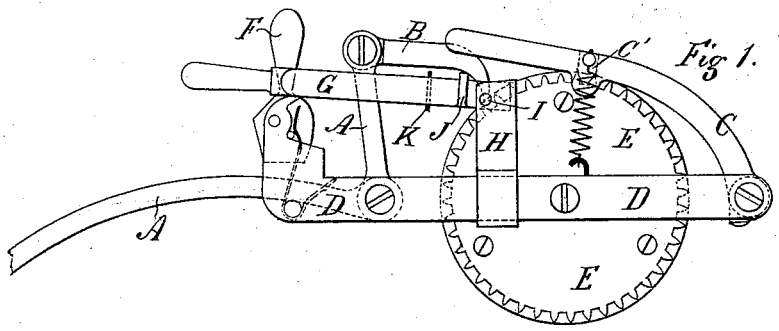


Fig 2.

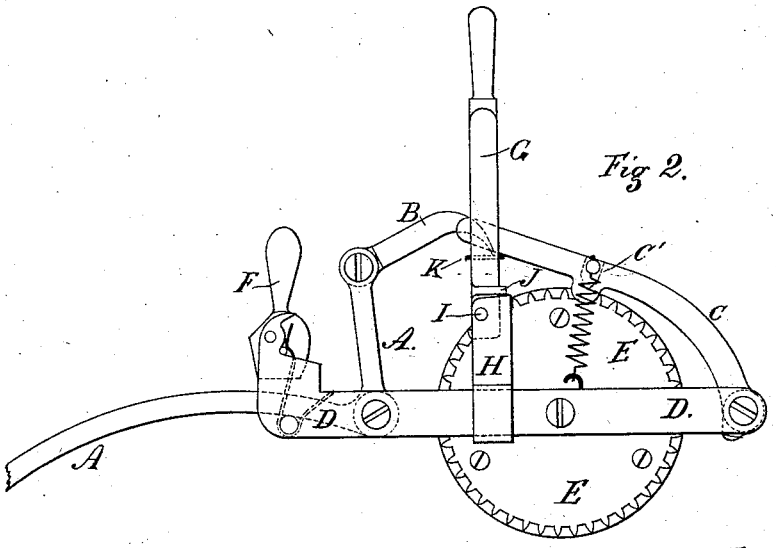
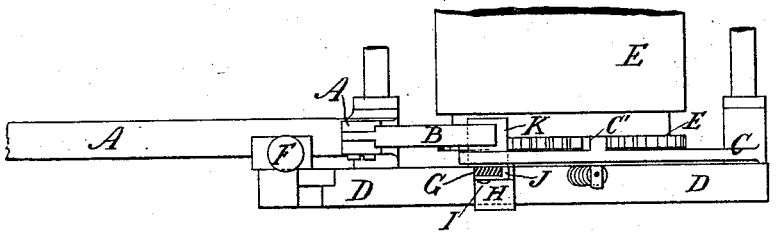


Fig 3.



Witnesses:-
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UNITED STATES PATENT OFFICE.

ADRIAN HITT, OF JERSEY CITY, NEW JERSEY.

TYPE-WRITING MACHINE.

SPECIFICATION forming part of Letters Patent No. 455,748, dated July 14, 1891.

Application filed February 4, 1889. Serial No. 298,656. (No model.)

To all whom it may concern:

Be it known that I, ADRIAN HITT, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in Type-Writing Machines, of which the following is a specification.

My invention relates to improvements in caligraphs or type-writers; and it consists in the raising of the two spacing-pawls with one lever, and thus holding them while the paper to be written or printed on is adjusted to the impression-roller. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is the improved part of the machine with the pawls down on the ratchet-wheel. Fig. 2 is a view showing the lever raised, holding up the two pawls. Fig. 3 is a top view with the handle of the lever removed and showing a part of the impression-roller.

Similar letters refer to similar parts throughout the several views.

A in Fig. 1 is the usual lever that gives the space between the lines.

B is the pawl on lever A, that works on the ratchet-wheel E E.

C is a pivoted arm bearing the holding-pawl C′, and F is the arm of the usual eccentric for regulating the line-spacing. It is seen, therefore, that on raising lever A it forces pawl B to revolve ratchet-wheel E E one or more notches under the pawl C′, which holds ratchet-wheel E E till pawl B on lever A can take a new hold on ratchet-wheel E E. Now to liberate ratchet-wheel E E it is necessary to raise pawls B and C′, as in Fig. 2, which is done by raising lever G, the pawls B and C′ resting on a flattened pin K, secured to lever G. Lever G is pivoted to lug H by pin I, the lug H being cast or otherwise snugly secured onto the caligraph's or type-writer's frame D D, lever G having a lug J on it to bear against lug H to prevent it from going back too far.

I am aware that there are pawls or ratchets that are raised by levers, but not on type-writers.

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

In a type-writing machine, the combination, with the impression-roller, ratchet-wheel, and the pawls engaging therewith, of a manipulating-lever bearing a pin adapted and arranged to raise said pawls out of engagement with the ratchet-wheel when in a vertical position, said lever being provided with a stop near its pivoted extremity, substantially as shown and described.

ADRIAN HITT.

Witnesses:
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S. W. SEARING.