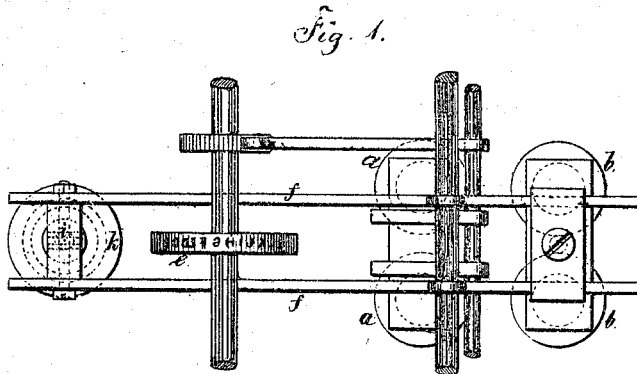
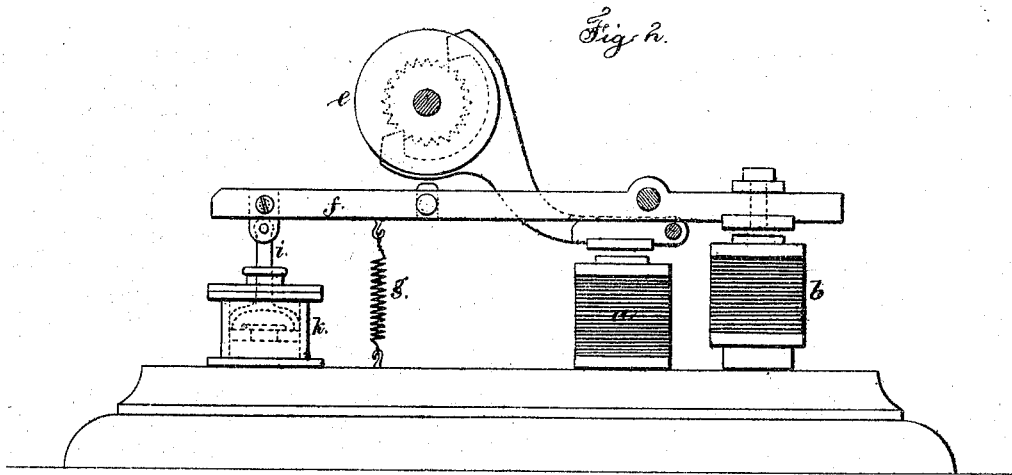


T. A. EDISON.

Improvement in Printing-Telegraphs.

No. 128,604.

Patented July 2, 1872.



Witnesses.
Chas. Adams
Harold Ferrell

Inventor
Thos. A. Edison
Lemuel W. Ferrell
attf.

UNITED STATES PATENT OFFICE.

THOMAS A. EDISON, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN PRINTING-TELEGRAPHS.

Specification forming part of Letters Patent No. 128,604, dated July 2, 1872.

To all whom it may concern:

Be it known that I, THOMAS A. EDISON, of Newark, in the county of Essex and State of New Jersey, have invented an Improvement in Printing-Telegraphs; and the following is declared to be a correct description thereof.

This invention relates to combining with the printing-lever an air-cushion that acts as a detainer to the printing mechanism so as to prevent it operating, except after the type-wheel has been set by the pulsations in the main line, and the circuit is kept closed while the air-cushion is sufficiently displaced to permit the impression.

In the drawing, Figure 1 is a plan, and Fig. 2 an elevation, of this improvement.

The type-wheel magnet *a* and printing magnet *b* are in the same electric circuit. The pulsations in the magnet *a* operate to set the type-wheel *c* by a step-by-step movement, but they do not move the impression-lever *f* sufficiently for printing, because the spring *g* is acting upon the same, and the air-cushion in the cylinder *k* formed between the piston and

said cylinder arrests any sudden movement, and the spring *g* acts between the pulsations to keep the piston from gradually forcing the air out of the cylinder *k*; but when the circuit is kept closed at the transmitting station the printing-lever *f* is allowed to move and give the impression as the rod *i* moves the piston and displaces the air-cushion sufficiently to allow of this movement. The piston may have a valve to open as the lever descends, so as to allow the printing-pad to move rapidly away from the type-wheel.

I claim as my invention—

The air-cushion applied to and combined with the printing-lever and its magnet in a printing-telegraph instrument, in the manner and for the purposes specified.

Signed by me this 26th day of April, A. D. 1872.

T. A. EDISON.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.