

No. 825,335.

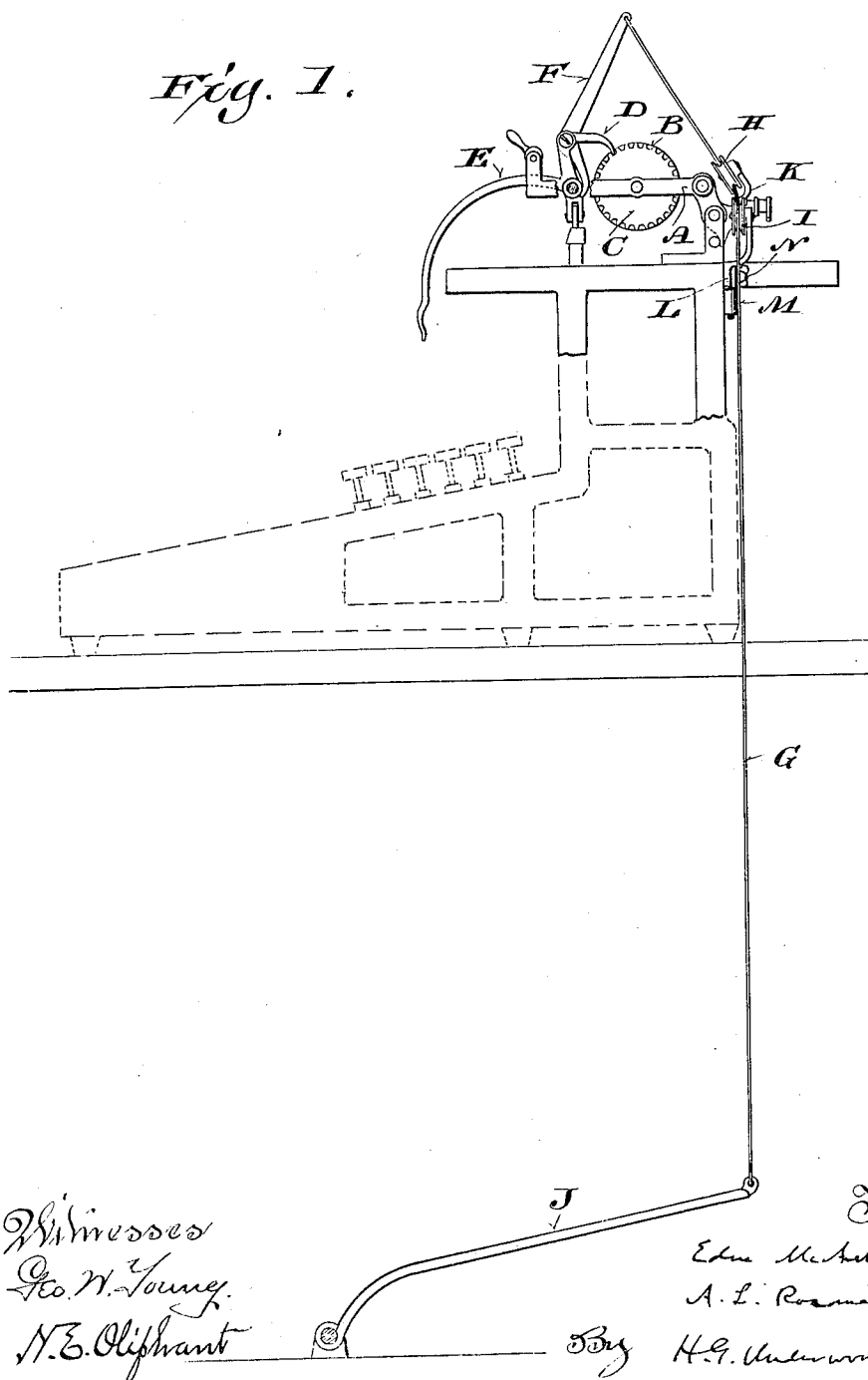
PATENTED JULY 10, 1906.

E. McARTHUR & A. L. ROSMANN.

TYPE WRITING MACHINE.

APPLICATION FILED FEB. 13, 1905.

2 SHEETS—SHEET 1.



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UNITED STATES PATENT OFFICE.

EDNA McARTHUR AND ALOIS L. ROSMANN, OF MILWAUKEE, WISCONSIN.

TYPE-WRITING MACHINE.

No. 825,335.

Specification of Letters Patent.

Patented July 10, 1906.

Application filed February 13, 1905. Serial No. 245,411.

To all whom it may concern:

Be it known that we, EDNA McARTHUR and ALOIS L. ROSMANN, citizens of the United States, and residents of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Type-Writing Machines; and we do hereby declare that the following is a full, clear, and exact description thereof.

Our invention consists in certain peculiarities of construction and combination of parts hereinafter particularly set forth with reference to the accompanying drawings and subsequently claimed, the object of said invention being to facilitate line-spacing and carriage-shift in type-writing machines.

Figure 1 of the drawings represents a side elevation of a type-writer line-spacing and carriage-shift mechanism in accordance with our invention, and Fig. 2 a perspective view of same.

Referring by letter to the drawings, A indicates the carriage of a type-writing machine as ordinarily constructed, and B the platen mounted on the carriage. The ratchet-wheel C of the platen is shown engaged by its line-spacing pawl D, hung in connection with the hand-lever E, fulcrumed on the carriage, and attached to the pawl to swing therewith. we show another lever F, one end of which abuts the hub of said hand-lever. The other end of the lever F is connected to what is herein termed a "pull-cord" G; but this device may be a chain or cable. The pull-cord is trained on sheaves H I and connected at its other end to a treadle J or an equivalent device arranged and connected with reference to movement by the operator without removal of either hand from writing position. The supplementary lever F being on the same fulcrum as the pawl D and stopped at one end against the hub of the hand-lever, pull on said supplementary lever will result in a tilt of said hand-lever and pawl. The hand-lever being actuated to tilt the pawl, the supplementary lever moves with said hand-lever.

The sheave H opposes draw of the pull-cord and is shown mounted on an arm K, at-

tached to the carriage A, the sheave I being shown mounted on an arm L in swing connection with a bracket M, attached to a post of the machine-frame. (Illustrated by dotted lines.) A thumb-screw N engages one end of the arm L and the machine-frame to hold said arm rigid in position to aline the sheave I with the sheave H; but by loosening the screw the aforesaid arm may be swung parallel to the adjacent end of said frame to economize space when not in use.

The carriage is herein shown at full limit of travel to the left of the machine operator, and the lever F being actuated said carriage is swung back to full limit of travel in the opposite direction simultaneous with a line-spacing operation of the platen, any suitable means being employed to coact with the lever mechanism and free the aforesaid carriage preliminary to its shift to starting position, from which it has step-by-step movement incidental to depression of the keys and space bar or bars, as is common in machines of the kind to which our improvements relate.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination in a type-writing machine of the platen-ratchet pawl and its hand-lever, a supplementary lever having the same fulcrum as said pawl and operative in one direction to tilt the same and its hand-lever, the carriage provided with an arm extension, an arm in connection with a frame-post, sheaves mounted in connection with said arms, a treadle, and a flexible pull device that is trained on the sheaves and connected at its ends to the supplementary lever and treadle.

In testimony that we claim the foregoing we have hereunto set our hands, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

EDNA McARTHUR.,
A. L. ROSMANN.

Witnesses:

H. RASSBACH,
RICHARD R. UTZ.