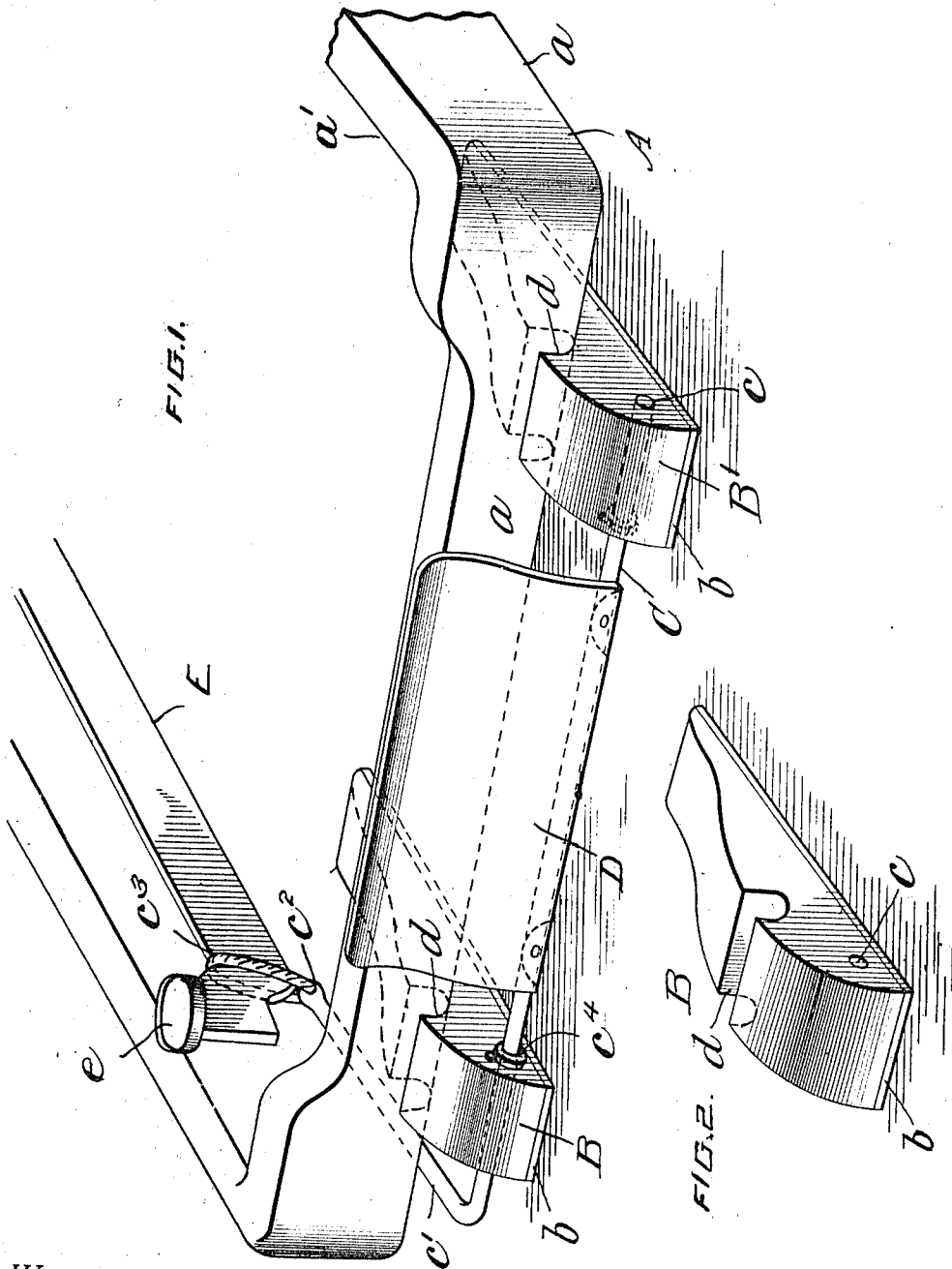


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R. S. DOUTHAT.
TYPE WRITING MACHINE.
APPLICATION FILED JAN. 18, 1911.

1,001,515.

Patented Aug. 22, 1911.



WITNESSES:
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UNITED STATES PATENT OFFICE.

RUDENZ S. DOUTHAT, OF HUNTINGTON, WEST VIRGINIA, ASSIGNOR OF ONE-HALF TO
GEORGE DONALD MILLEE, OF HUNTINGTON, WEST VIRGINIA.

TYPE-WRITING MACHINE.

1,001,515.

Specification of Letters Patent.

Patented Aug. 22, 1911.

Application filed January 18, 1911. Serial No. 603,385.

To all whom it may concern:

Be it known that I, RUDENZ S. DOUTHAT, citizen of the United States, residing at Huntington, in the county of Cabell and State of West Virginia, have invented certain new and useful Improvements in Type-Writing Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to type writing machines and more particularly to that class of machines, which have a single keyboard, and are provided with shift mechanism for the purpose of shifting the platen or type basket to vary the characters, from the lower to the upper case at the time of printing, said shift mechanism being usually operated by a single key and by the little finger of the left hand of the operator.

The object of my invention is to provide such a machine as above referred to with an attachment for operating the shift mechanism, which shall be simple and inexpensive, which may be readily placed upon any such machine and which will afford means for operating said shift mechanism so as to increase the speed and facility of writing on the machine, by enabling the operator to control the shift mechanism with the thumb of the left hand instead of the little finger, leaving the latter free to operate the keys, which is very desirable for speed and accuracy.

In order that my invention may be clearly understood, I have illustrated it in the accompanying drawings and described it in the following specification and claims.

In the form in which I have chosen to illustrate my invention, Figure 1 of the drawings, is a perspective view of the frame of a typewriting machine, provided with my invention. Fig. 2 is a similar view of one of the parts of my device.

Similar letters of reference indicate identical parts throughout.

A represents the frame of a typewriting machine of the class above described, which is of ordinary construction and within which the key board (not shown) is placed, and consists of the vertical portion *a* and horizontal flange *a'*, the two parts forming a sort of shell.

B, B' are two bearing blocks preferably

of the form shown in the drawings, provided on their under side with a covering *b* of felt, cloth, cork, rubber or other analogous material, to prevent scratching or marring the desk or table upon which they are designed to rest, also to obviate jar and noise, when the machine is in use, and to hold by frictional contact with the said desk or table, to prevent displacement. The blocks B, B' are also provided with transverse openings *c* to receive a rod C adapted to be journaled therein. The blocks B, B' are also provided with depressions *d* adapted to receive the front vertically disposed part *a* of the frame A of the machine. The rod C is bent at one end, as shown, the bent portion *c'* being adapted to extend under the frame of the machine, and being preferably perforated as at *c''* to receive a loop or ring *c'''* of any desired material, as tape, cord or wire.

D represents a vertically disposed plate or bar adapted to be rigidly secured to the rod C by means of rivets or otherwise, and which is preferably of the form shown in the drawings.

E is the usual shift lever with which machines of the class referred to are ordinarily provided and *e* is the usual shift key, mounted on the end of said lever, and adapted to be engaged by the loop or ring *c'''*.

The mode of attachment of my improved device, and its manner of operation are apparent. The parts are assembled on the table in front of the frame of the machine, the rod C being journaled in the blocks B, B'; the frame is then tilted and the blocks B, B' slipped under the forward portion of the same until the front of the machine frame rests in the depressions *d*, *d'*, the part *c'* of the rod C passing under the frame and the loop or ring *c'''* being made to engage the shift lever E. The part D is then secured to the rod C as shown and the device is ready for use, it being obvious that by pushing the plate or key D backward, the shift lever will be depressed and the shifting mechanism set in motion.

The blocks B, B' are held in place by the weight of the machine and the rod C is kept from lateral movement by its connection with the shift lever E.

In order to prevent any possible binding of the parts, I may provide the rod C with collars and set screws *c⁴*, *c⁴* which may be

secured to the said rod immediately adjacent to the inner faces of the blocks B, B' and which will hold the rod in place and the part c' in proper alinement with the shift lever E.

What I claim and desire to secure by Letters Patent is:—

1. A detachable device for operating the shift mechanism of typewriting machines, comprising bearing blocks provided with recesses adapted to receive the forward edge of the frame of the machine, a transverse bent rod journaled in said bearing blocks, a loop or ring for engaging the shift lever of the machine, movably secured to one end of said rod, and a vertically disposed plate rigidly secured to said rod, whereby the rod may be rotated and the shift lever depressed by backward pressure on said plate.
2. A detachable device for operating the shift mechanism of typewriting machines,

comprising bearing blocks provided with recesses adapted to receive the forward edge of the frame of the machine, a transverse rod journaled in said bearing blocks, one extremity of said rod being bent and provided at said bent extremity with a pivotally connected ring or loop adapted to engage the shift lever of the machine, means attached to said rod for preventing longitudinal movement thereof, and a vertically disposed plate rigidly secured to said rod, whereby the rod may be partially rotated and the shift lever depressed by backward pressure on said plate.

In testimony whereof I affix my signature, in the presence of two witnesses.

RUDENZ S. DOUTHAT.

Witnesses:

F. M. LINEZEY,
H. A. CONNELL.

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