(No Model.)

W. H. CLARK.

KEY LOCKING AND KEY COUPLING MECHANISM FOR CASH REGISTERS.

No. 496,340. Patented Apr. 25, 1893.

Fig. 2.

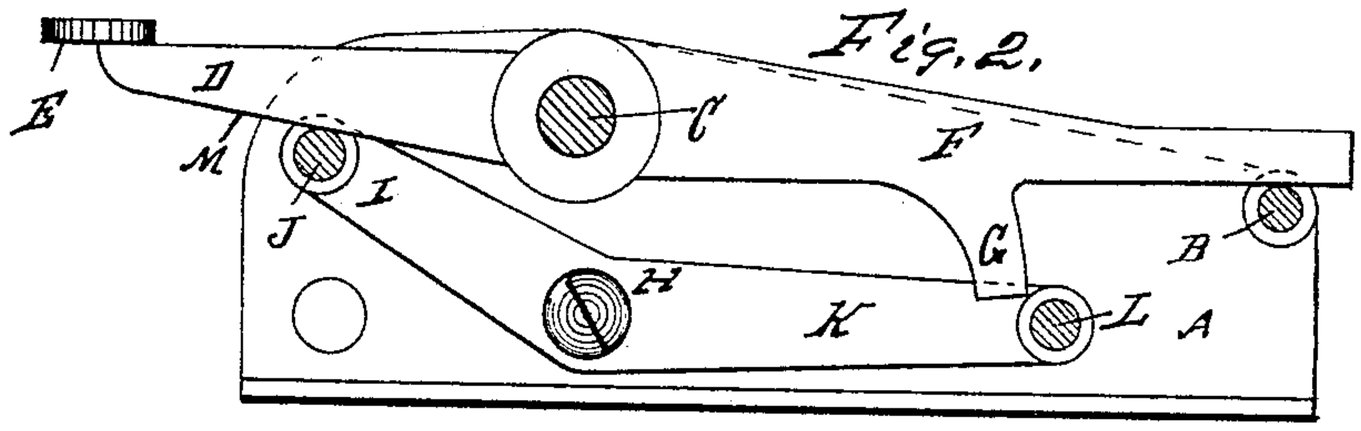


Fig. 1.

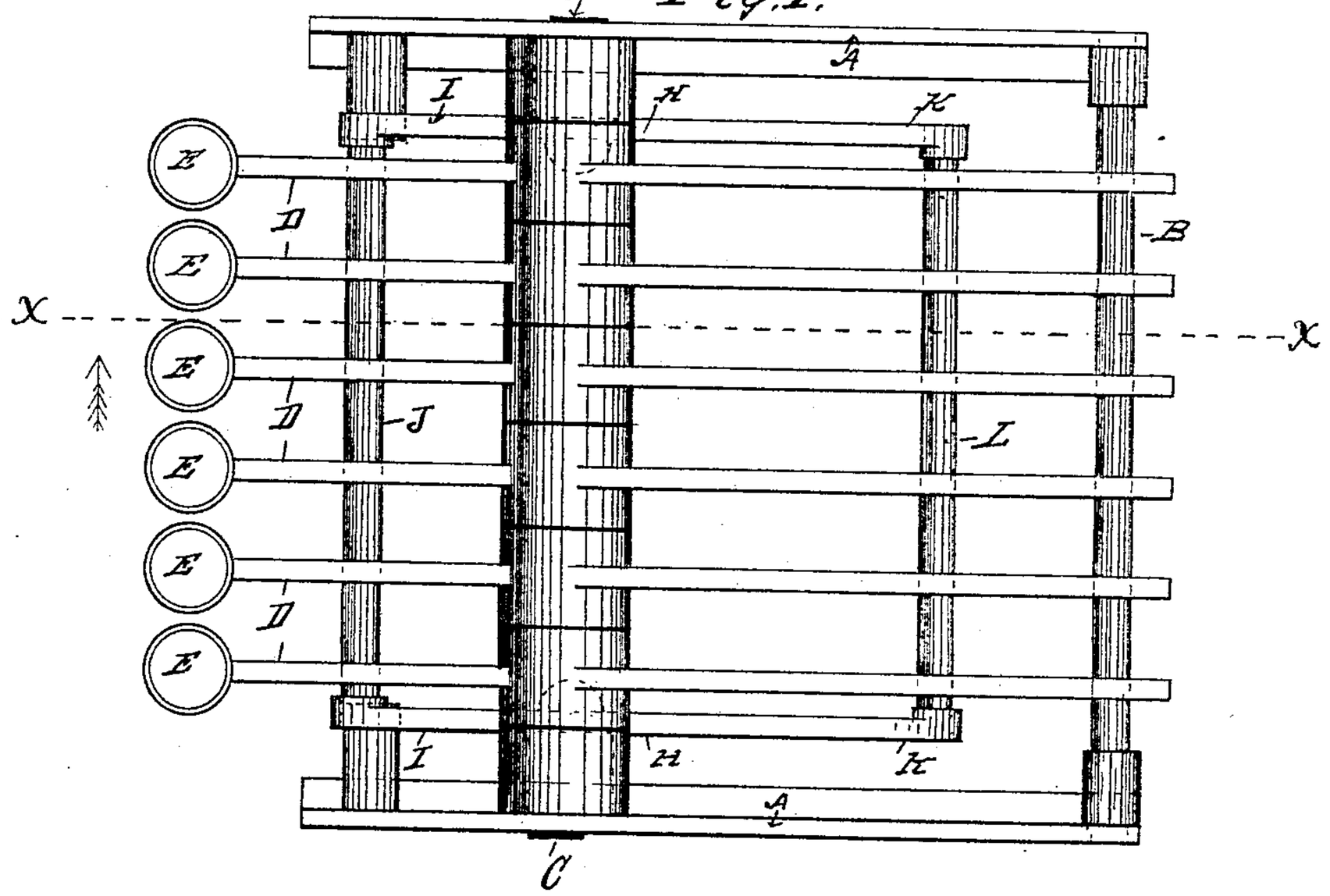
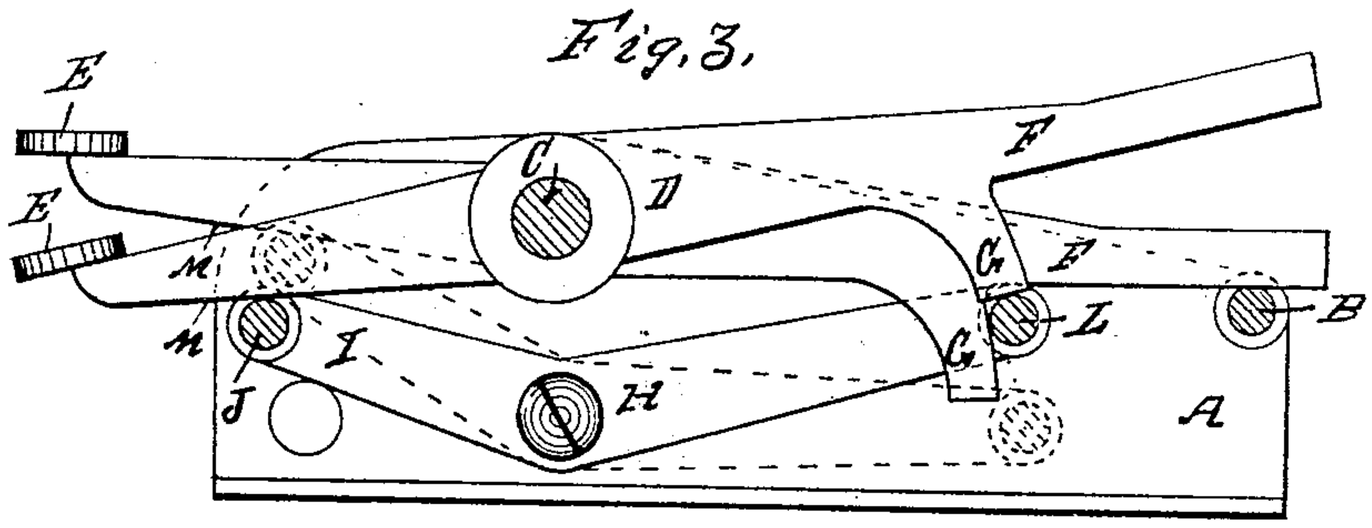


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM H. CLARK, OF ERIE, PENNSYLVANIA, ASSIGNOR TO THE ERIE CASH REGISTER COMPANY, OF SAME PLACE.

KEY-LOCKING AND KEY-COUPLING MECHANISM FOR CASH-REGISTERS.

SPECIFICATION forming part of Letters Patent No. 496,340, dated April 25, 1893.

Application filed August 8, 1892. Serial No. 442,535. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. CLARK, a citizen of the United States, residing in the city of Erie, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Key-Locking and Key-Coupling Mechanism for Cash-Registers; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming part of this specification.

My invention consists in the improvements in cash-register key lever locking and coupling mechanism hereinafter set forth and explained and illustrated in the accompanying drawings in which:

Figure 1. is a top or plan view of my improved cash-register key-lever locking and coupling mechanism. Fig. 2. is a transverse vertical section of same on the line *x*, *x*, in Fig. 1. Fig. 3. is a like vertical section of same illustrating the operation thereof.

The principal object of my invention is to provide a key-lever locking and coupling mechanism for cash-registers, so constructed that the depression of any one of the keys operates to lock all of the remaining key-levers in their normal positions. When however, two or more of the key-levers are simultaneously started they can all be moved in unison, the remaining key-levers being locked in their normal positions until the keys moved have returned to their normal positions.

In the construction of my invention shown in the drawings, A A are the sides of the base of the machine frame, connected together by means of a rod B. On a rod C, I mount key-levers D in the usual manner, these key levers being provided on their outer ends with the usual operating knobs or buttons E. On the under sides of the rear portions F of these key levers D, I make cam shaped extensions G which project downward some distance as and for the purpose hereinafter set forth.

To the sides A A of the machine frame, some distance below the rod C upon which the key-levers D operate, I pivot levers H H, the ends of the arms I, of said levers being connected together by a rod J, which when the key-levers are in their normal positions is directly under the lower edges M of the front portions, of the key-levers D, so that the depression of any of the key-levers operates also to depress the ends I of the levers H. The ends K of the levers H extend out slightly beyond and below the lower ends of the cam shaped projections G, on the rear sections F of the key-levers D, where they are connected together by means of a rod L, which rod L is adapted to pass up over the faces of the cams G, when the end I of said lever H is depressed, so that in operation when one of the key-levers D is depressed the end of the cam G thereon is moved upward over the rod L which follows it closely, traveling up over the remainder of the cams G, so as to prevent their being moved until the key-lever first moved returns to its normal position, and the like effect is produced when two or more key-levers are simultaneously depressed. Thus my device operates both as a key lever lock, and as a key-lever coupling device. I have not described the other features of a cash-register as they form no part of my invention, it being equally applicable to all forms of cash-registers using key-levers for operating them.

Having thus fully described my invention, so as to enable others to construct and use the same, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination in a key-locking and key coupling mechanism for cash-registers, of key-levers and cams on said key-levers, with levers pivoted to the machine frame, and connected by a rod at their front ends contacting with all of the key-levers, and a rod at their rear ends adapted to contact with the cams on the key-levers, substantially as and for the purpose set forth.

2. The combination in a key-locking and key-coupling device for cash-registers, of centrally pivoted key-levers, and downwardly projecting cams on the rear portions of the

key-levers, with levers pivoted to the machine frame below the axes of the key-levers, a rod connecting their front ends and contacting when in its normal position, with the under sides of the front sections of all of the key-levers, and a rod connecting the rear ends of said levers adapted to contact when raised with the cams on the rear portions of the key-levers, substantially as and for the purpose set forth.

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

WILLIAM H. CLARK.

Witnesses:
F. EINFELDT,
WM. P. HAYES.