

(No Model.)

2 Sheets—Sheet 1.

E. O. WOOD.

MANUAL SALES RECORDER AND CASH DRAWER.

No. 507,958.

Patented Oct. 31, 1893.

Fig. 1.

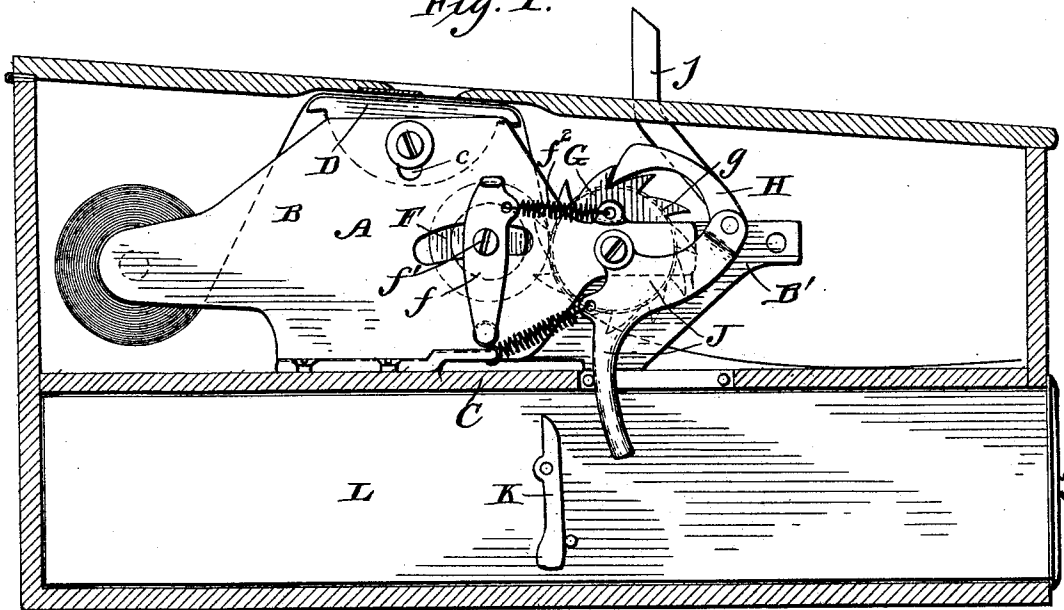
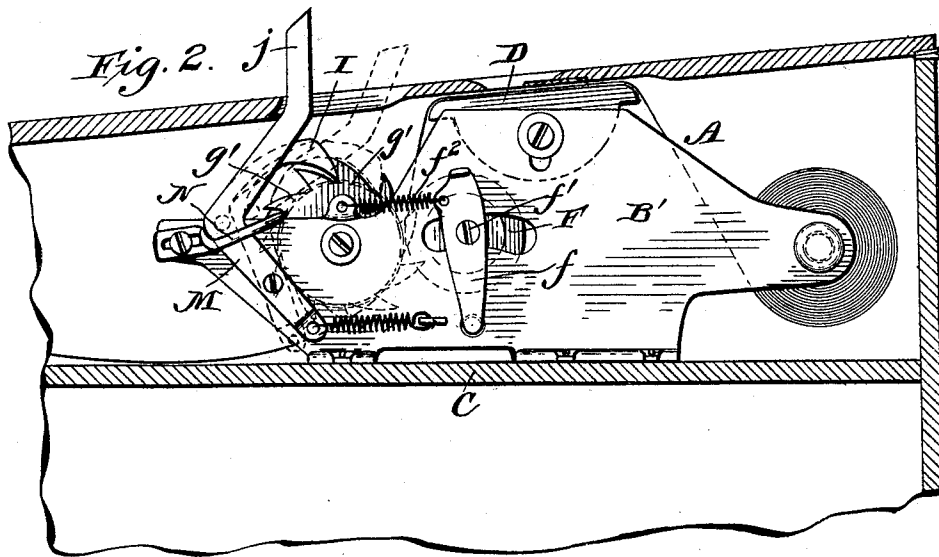


Fig. 2.



Witnesses

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his Attorneys

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2 Sheets—Sheet 2.

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Fig. 3.

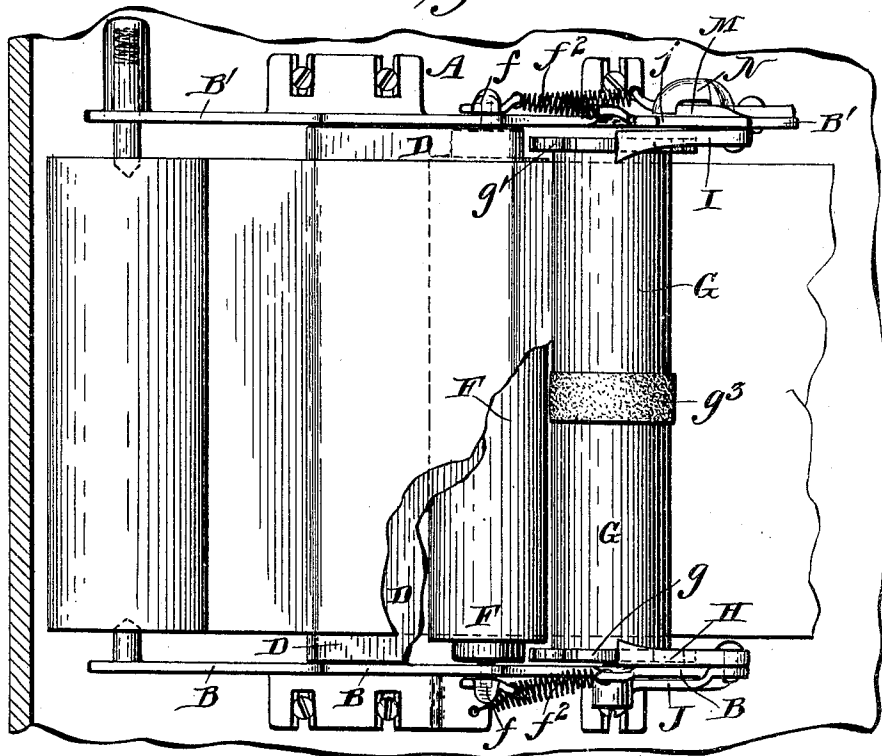
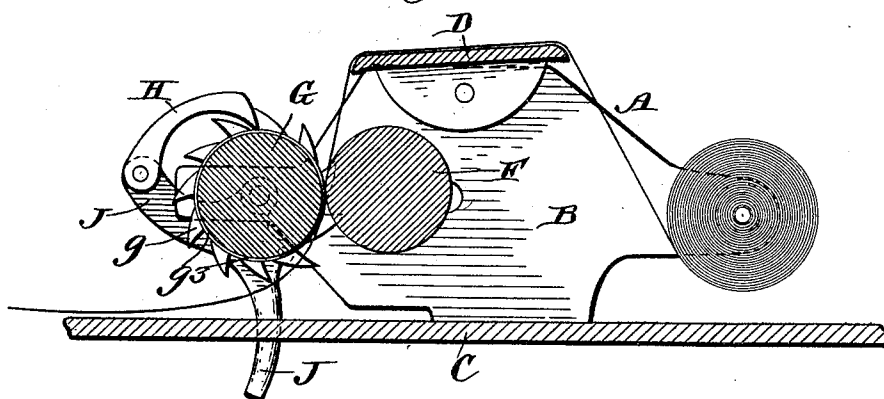


Fig. 4.



Witnesses

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Egbert Wood
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UNITED STATES PATENT OFFICE.

EGBERT O. WOOD, OF NASHUA, NEW HAMPSHIRE.

MANUAL SALES-RECORDER AND CASH-DRAWER.

SPECIFICATION forming part of Letters Patent No. 507,958, dated October 31, 1893.

Application filed July 5, 1893. Serial No. 479,629. (No model.)

To all whom it may concern:

Be it known that I, EGBERT O. WOOD, a citizen of the United States, residing at Nashua, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Cash-Recorders; 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 a cash recorder which is used in connection with a money drawer and consists of certain novel constructions, combinations and arrangements of parts as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of one side and Fig. 2 is a similar view of the opposite side of the cash recorder and a section through a desk or counter to which it is applied. Fig. 3 is a top view of the recorder, the recording plate being broken away and Fig. 4 is a longitudinal section through Fig. 1.

A in the drawings represents my improved cash recorder which is applied to a counter or desk and adapted to be operated by the moving in and out of a money drawer. The recorder is constructed with side pieces B, B', which are secured to a suitable base C and are provided at their upper ends with elongated openings c, in which is pivoted an adjustable recording plate D which can be moved vertically as well as tilted backward and forward and secured in any one of such adjusted positions to conform to the surface of the top of the counter or desk and to bring said plate flush with the opening provided in the desk for the reception of said plate. The rear end of the side piece B is formed or provided with a lug or pintle and the side piece B' with a recess in which is journaled a removable roll of paper, which paper passes over the top surface of the recording plate D and down and between two feed rollers F, G, and out toward the front of the machine as shown. A roller might also be provided on or in front of the machine for receiving the paper with memorandums upon it.

The roller F is journaled in the side pieces of the machine by means of short arms $f f'$

which are pivoted at their lower ends to the sides of the machine, the said arms being secured to the roller by screws or pins $f' f'$ passed through the same and through an elongated slot formed in the side pieces, into the roller. The upper ends of the lugs $f f'$ are connected by forward extending springs $f^2 f^2$ with the machine, and are also provided with handles for moving the arms and the roller F connected therewith backward, the spring $f^2 f^2$ automatically returning the arms and roller F to their normal positions. By this construction the roller F is held in contact with the roller G by spring pressure and when it is desired to insert the strip of paper between the rollers or remove the same it can be readily done by moving the roller F backward. The roller is provided on its ends with ratchet disks g and g' in which pawls H and I are adapted to operate for moving said roller as will be hereinafter described.

J represents a lever which is provided on the side of the machine and suitably connected to another part of the machine by a rearwardly extending spring and extends down below the supporting base C and is adapted to be struck by a trip K pivoted on the side of the money drawer L as the latter is moved in and out. The trip K is so constructed and arranged whereby as the drawer is drawn out the lower end of the lever will be pushed up until the beveled end of the trip can pass under the same, when the lever will be drawn back by the spring to its normal position so that as the drawer is pushed in, in closing, the trip will strike the lower end of the lever and be pushed to one side until the lever has passed the same, when the trip will return to its normal position. As the lower end of the lever J is struck and drawn out by the trip on the drawer in opening the pawl H carried by and pivoted on said lever and which rests in one of the notches, pushes the ratchet backward and causes the roller G connected therewith to revolve in the same direction, causing the paper to be fed forward. The feed roller G is also provided about centrally of its length with a friction band or roller g^3 which extends around the roller and projects slightly above the circumference of the same. This friction band or roller comes directly in con-

tact with the paper and is used to facilitate the movement of the paper. The lever M is pivoted to the opposite side of the machine and is somewhat similarly shaped to the lever J; but the handle *j*. extends upward through the top of the counter or desk within convenient reach of the operator. The object of this lever is to adjust the paper and bring it to the proper place on the recording plate beneath the opening in the desk.

N. represents a limitation stop which is provided with an elongated slot and is secured to the side of the frame by means of a screw passed through said slot. By making the slot elongated the stop can be adjusted so as to regulate the backward and forward movements of the lever. This lever J is also provided with a spring for returning it to its normal position.

The operation of using my improved machine is as follows: When the paper is properly applied on the machine as shown in Fig. 1, the clerk makes out the amount of his sale or other memorandum on the paper through the opening in the desk and having done so he opens the money drawer, by which latter action the paper is drawn forward and the memorandum passes from beneath the opening out of sight and another portion of the paper appears beneath the opening to receive another item. After the paper has been moved forward it is impossible for the clerk to move the paper back again so that the items cannot be altered after it has been passed forward.

What I claim is—

1. In a cash recorder, the combination of a suitable base, supporting sides, feed and paper rolls, a downwardly extending lever pivoted on one of said sides and adapted to

be operated by a drawer in opening, and an upwardly extending lever pivoted to the other side, said levers being arranged to independently operate the feed rollers, substantially as described.

2. In a cash recorder the combination of a roll of paper, feed rollers and a vertical and laterally adjustable recording plate or table, substantially as described.

3. In a cash recorder, the combination of a suitable base supporting sides, a downwardly extending lever pivoted on one of said sides and adapted to be operated by being struck by a drawer in opening, an upwardly extending lever pivoted on the other side of the machine and extending upward through a desk or counter, and a stop for regulating the back and forward movements of the latter lever, a paper roll and feed rollers, substantially as described.

4. A cash recorder comprising in its construction a suitable base, side supporting pieces, a lever pivoted on one of said sides and extending below the base and adapted to be operated by the opening of the drawer, a lever pivoted on the other side piece and extended upwardly through a desk or counter, and adjustable stop for regulating the movement of latter lever, feed rolls one of which is provided with ratchet disks on its ends adapted to be engaged by pawls on the said levers for operating the same, substantially as described.

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

EGBERT O. WOOD.

Witnesses:

R. T. SMITH,
IRA F. HARRIS.