W. B. REARICK.

CHECK CANCELING ATTACHMENT FOR ADDING MACHINES AND THE LIKE.

APPLICATION FILED MAY 27, 1915.

1,148,536.

Patented Aug. 3, 1915

2 SHEETS—SHEET 1.

Fig. 1.

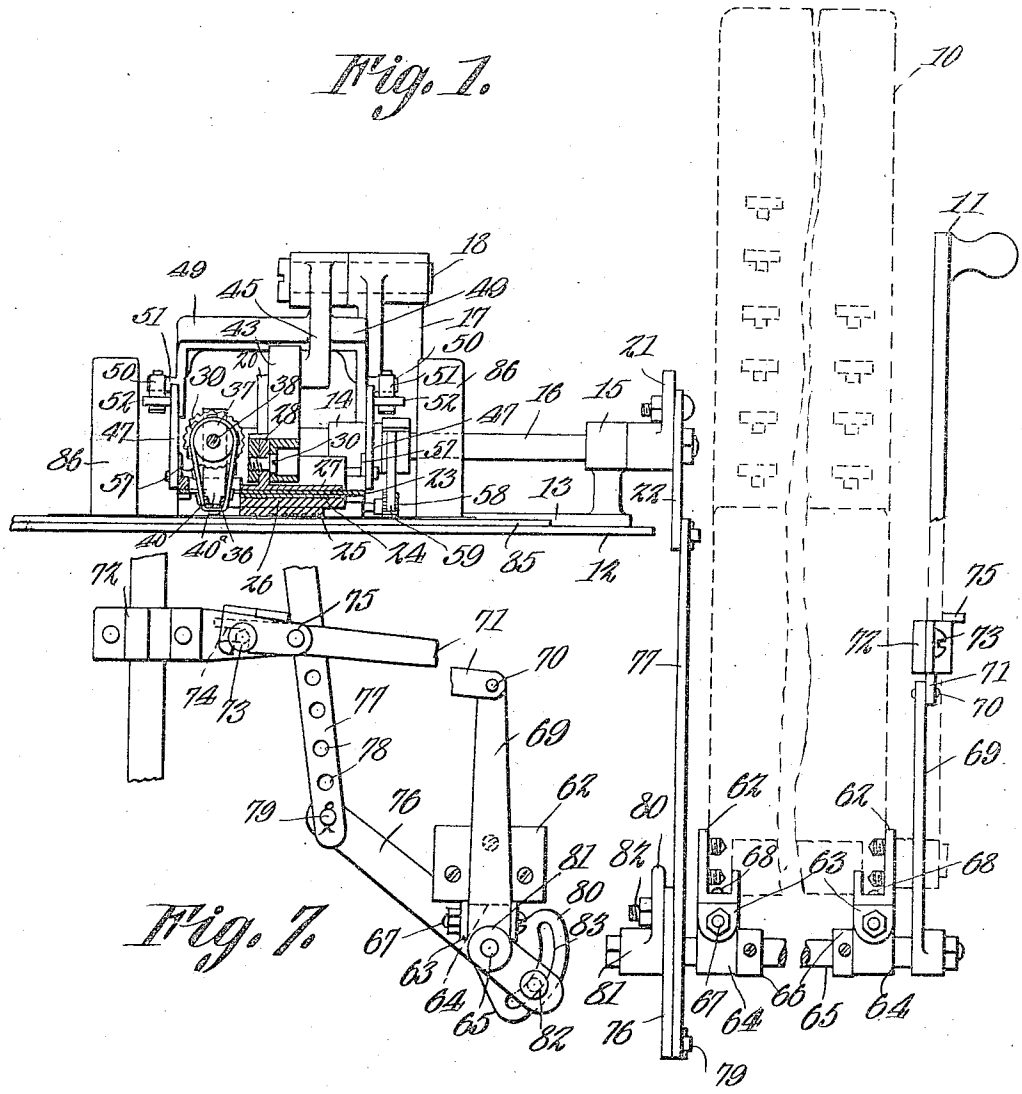


Fig. 7.

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2 SHEETS—SHEET 2.

Fig. 4.

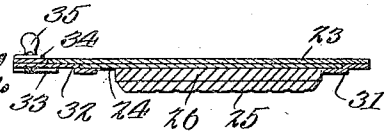


Fig. 5.

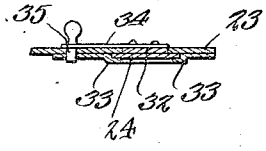


Fig. 6.

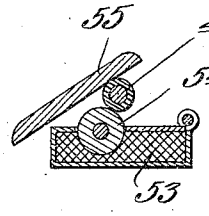
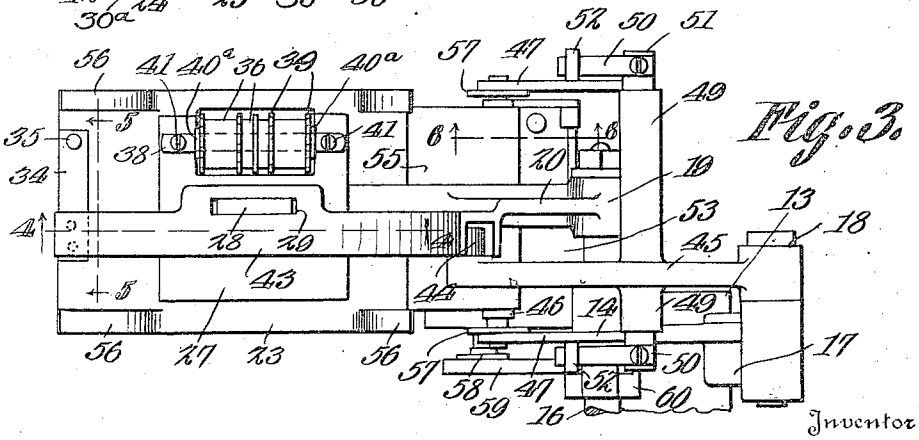


Fig. 2.



Fig. 3.



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# UNITED STATES PATENT OFFICE.

WILLIAM R. REARICK, OF BALTIMORE, MARYLAND, ASSIGNOR TO REARICK AUTOMATIC CHECK ENDORSER COMPANY, OF WILMINGTON, DELAWARE, A CORPORATION OF DELAWARE.

## CHECK-CANCELING ATTACHMENT FOR ADDING-MACHINES AND THE LIKE.

1,148,536. Specification of Letters Patent. Patented Aug. 3, 1915.

Application filed May 27, 1915. Serial No. 30,738.

*To all whom it may concern:*

Be it known that I, WILLIAM B. REARICK, a citizen of the United States, residing at Baltimore city, State of Maryland, have invented certain new and useful Improvements in Check-Canceling Attachments for Adding-Machines and the like, of which the following is a specification.

This invention relates to improvements in the stamping or printing attachment for adding or other registering machines disclosed in Patent No. 1,117,602, dated November 17, 1914, said attachment being designed to make an impression on a check, bill, etc., as the crank handle of the machine is actuated to register the amount of such check or other paper.

The present invention has for its object to provide a novel and improved inking device for the stamping or printing member, whereby the latter is automatically inked, and also to provide a novel and improved actuating connection between the crank handle of the adding or other registering machine and the stamping member.

With the herein stated objects in view, the invention consists in a combination and arrangement of parts to be hereinafter described and claimed, reference being had to the accompanying drawings in which—

Figure 1 is a front elevation of the device, partly in section; Fig. 2 is a side elevation of the stamping and inking mechanism; Fig. 3 is a plan view of said mechanism; Figs. 4, 5 and 6 are sectional details on the lines 4—4, 5—5 and 6—6, respectively, of Fig. 3, and Fig. 7 is a side elevation of the actuating connection.

Referring specifically to the drawings, there is shown dotted at 10 a fragment of the adding or other registering machine to which the invention is applied, so much only of the machine being illustrated as will suffice to make clear the connection of the invention therewith. The machine has a crank handle 11 the movement of which actuates the mechanism by which the amount or number represented by a depressed key will be accumulated by the registering devices, and a record thereof produced by certain recording devices. As this type of machine is well known, and its structure is immaterial to the invention, a further description or illustration is deemed unnecessary. The stamping or printing attachment is operatively connected to the crank handle 11, and with this exception it is entirely independent of the machine.

Suitably supported alongside the machine 10, on the side thereof opposite the side having the crank handle 11, is mounted a horizontal base plate 12 which supports the attachment. Adjacent to the rear edge of the base plate is mounted a casting 13 having longitudinally spaced bearings 14 and 15, respectively, in which a horizontal rock shaft 16 is journaled. From the bearing 14 rises a standard 17 carrying at the top a stationary horizontal spindle or shaft 18 supporting an inking device. The shaft 16 projects from the bearing 14 a sufficient distance to take the hub 19 of a rocker arm 20 carrying the stamping or printing member to be presently described, said hub being fixed on the shaft so that the arm swings in a vertical plane and carries the stamping or printing member toward and from the top of the base plate 12 when the shaft is rocked. To the opposite end of the shaft 16 is made fast a crank in the form of a slotted sector 21 to which is adjustably connected an extension arm 22, to which latter is connected the means to be presently described whereby the attachment is actuated from the crank handle 11 of the machine 10.

The stamping or printing member carried by the rocker arm 20 comprises a base plate 23 on one side of which is mounted a plate 24 carrying the type plate 25 and its rubber backing 26. On the other side of the base plate is fixed a plate 27 having an outstanding lug 28 which seats loosely in a recess 29 in the rocker arm, and is secured therein by a pivot screw 30. The base plate is therefore pivotally supported so that it may have a slight rocking movement to allow the type plate to come squarely against the check or other paper to be stamped. On opposite sides of the lug 28, the arm 20 has ribs $30^a$ which serve as stops to limit the swing of the base plate.

The plate 24 is removably mounted on the base plate 23, and it is held in place thereon by a clip 31 and a latch plate 32 engageable over opposite edge portions of the plate 24, said clip and latch plate being carried by the plate 23. The latch plate is slidably held under edge guides 33 carried

by the plate 23 and it has a flat spring 34 carrying a pin 35, which latter is adapted to be inserted into an aperture in the plate 23 to lock the latch plate.

Alongside the type plate 25 is located a date stamp comprising endless type bands 36 passing over rollers 37 mounted on a shaft 38, and provided with the usual hand wheels 39. The plates 23 and 24 have registering recesses to accommodate a backing bar 40 over which the type bands pass. This backing bar has turned up ends 40ª which support the shaft 38. From the plate 24 rise screws 41 which pass loosely through the ends of the shaft 38, and springs 42 are coiled arouid the screws between the shaft and the plate. These screws permit proper adjustment of the backing bar 40 relative to the type plate 25.

The rocker arm 20 is curved and has on one side a longitudinal groove 43 following the curvature of the arm. In this groove is mounted a roller 44 carried by the outer end of a lever 45 fulcrumed on the spindle 18, and swinging parallel to the rocker arm. This lever supports and operates an inking device comprising a roller 46 journaled at its ends to the outer ends of arms 47 which are pivoted at 48 to bracket arms 49 on the sides of the lever 45. The inking roller is spring-pressed against the type plate 25 by flat springs 50 fastened to lugs 51 on the bracket arms 49, and bearing against projecting side pins 52 on the arms 47.

On the base plate 12 is mounted an ink-supplying pad or similar device 53 provided with a distributing roller 54 journaled in the ends of the housing of the pad. The roller 54 is so located that when the stamping or printing member is at the end of its working stroke, the roller 46 comes in contact with said distributing roller to obtain a supply of ink.

Adjacent to the lower edge of the plate 23, the rocker arm 20 has a plate-like enlargement 55 which is inclined relative to the plate and extends to the edge thereof to guide the roller 46 over said edge. At the ends of the plate 23 are raised and inclined portions 56. At the ends of the strokes of the roller 46, wheels 57 on the ends of the latter mount the raised portions 56 and lift the roller so that it clears the ends of the plate 23.

The distributing roller 54 has a step-by-step rotary motion to present a new surface to the roller 46 after each stroke. This motion is obtained by a ratchet wheel 58 on one end of the shaft of the roller 54 and a pawl 59 carried by a collar 60 fast on the shaft 16. A spring 61 also engages the ratchet wheel to prevent the same from slipping back.

The plate 23 supporting the type plate 25 is normally in upright position, with the roller 46 at the upper end of the plate, and the roller 44 at the upper end of the groove 43, this end of the groove being closed, to limit the upward swing of the parts. Upon operating the shaft 16 to swing the plate 23 down to make an impression, the roller 44 travels down the groove 43, whereupon the lever 45 is swung and the roller 46 is carried downward across the type plate 25. Before the type plate reaches the check or other paper to be stamped, the roller 46 has cleared said plate and at the end of the impression stroke it is in contact with the roller 54 to receive a supply of ink. On the return stroke, the upward swing of the arm 20, through the groove 43 and the roller 44, swings the lever 45 upward, and the latter then carries the roller 46 upward across the type plate, to ink the same.

The actuating connection between the crank handle 11 and the rock shaft 16 comprises the following parts: On any suitable portion of the machine 10 are mounted bracket members 62 carrying pivoted ears 63 between which are pivotally mounted bearings 64 in which is journaled a shaft 65 provided with set collars 66 abutting against said bearings to hold the shaft against longitudinal movement. The pivotal connection between the bearings and the ears is made by bolts 67 passing through said parts. The pivotal connection between the ears and the bracket members is made by a pin or rivet 68. The pivotal connections enable the bracket members to be placed in various positions for attachment to the machine 10 or to a shelf or other suitable support adjacent to the machine.

On one end of the shaft 65 is made fast a crank arm 69 to the outer end of which is pivoted, as indicated at 70, a pitman 71 carrying at its outer end a clamping member 72 whereby connection is made with the crank handle 11. The clamping member has a headed stud 73 which seats in a slot 74 in the end of the pitman, whereby said member is pivotally and detachably connected to the pitman. A pivoted latch hook 75 engageable with the stud prevents accidental disconnection of the clamping member from the pitman, the latch hook being carried by the pitman. On the end of the shaft opposite the end to which the crank arm 69 is applied, is made fast a crank arm 76 having a pitman connection 77 with the crank arm 22. The connection between the crank arm 76 and the pitman 77 is an adjustable one, the latter having a series of apertures 78 to receive the connecting pin 79. The crank arm 76 is adjustably connected to the shaft 65 so that its angularity may be varied. This connection is made by means of a sector plate 80 having a hub 81 whereby said plate is fixed on the shaft. The crank arm has an opening through which the shaft 65 passes, and carries a bolt 82 which extends through

an arcuate slot 83 in the plate 80. Upon backing the nut 84 carried by the bolt 82, the crank arm may be swung about the shaft to the extent of the length of the slot 83, and after the adjustment is made, the crank arm is fastened by the nut 84. The adjustable fastening between the parts 21 and 22 is the same as that just described.

By the hereinbefore described connection between the crank handle 11 and the rock shaft 16 the latter is actuated every time the former is swung to operate the machine 10, the rock shaft operating the stamping mechanism in the manner already described. The adjustability of the connection enables the same to be readily attached to different styles and makes of recording machines.

On the base plate 12 is a pad 85 on which the checks or other papers to be canceled or otherwise stamped are placed. The base plate also carries an edge guide 86 for the checks or other papers. The pivotal connection between the stamping member and the rocker arm 20 gives the former sufficient play to come squarely down on the check or other paper to make a clear impression.

While the preferred embodiment of the invention has been shown and described, it will be understood that various changes and modifications in the structural details may be made without departure from the spirit and scope of the invention as claimed hereinafter. The invention is also not limited to adding machines, but may, with equal facility, be applied to other registering machines having a crank handle or similar actuating element.

I claim:

1. A stamping mechanism for registering machines, comprising a stamping member, a swinging support for said member, means for operating the support, an inking roller mounted for travel across the stamping member, a pivoted support for the roller, and a connection between the supports for operating the inking roller, said connection comprising a roller carried by the second-mentioned support and a longitudinal groove in the first-mentioned support in which the roller is mounted for travel.

2. A stamping mechanism for registering machines, comprising a stamping member, a swinging support for said member, said support having a longitudinal groove, an inking roller, and a pivoted support for the inking roller having a member which is slidable in the aforesaid groove.

3. A stamping mechanism for registering machines, comprising a stamping member, a swinging support for said member, means for operating the support, an inking roller mounted for travel across the stamping member, a pivoted support for the roller, spring-pressed, pivoted arms carried by the inking roller support, said arms carrying the inking roller, and a connection between the supports for operating the inking roller.

4. A stamping mechanism for registering machines, comprising a stamping member, a swinging support for said member, means for operating the support, an inking roller mounted for travel across the stamping member, a pivoted support for the roller, spring-pressed, pivoted arms carried by the inking roller support, said arms carrying the inking roller, and a connection between the supports for operating the inking roller, said connection comprising a roller carried by the second-mentioned support and a longitudinal groove in the first-mentioned support in which the roller is mounted for travel.

5. A stamping mechanism for registering machines, comprising a shaft, a rocker arm on the shaft, a stamping member carried by the rocker arm, a lever swinging parallel to the rocker arm and having a sliding connection therewith, and an inking roller carried by the lever and mounted for travel across the stamping member.

6. A stamping mechanism for registering machines, comprising a shaft, a rocker arm on the shaft, said rocker arm having a longitudinal groove, a stamping member carried by the rocker arm, a lever swinging parallel to the rocker arm, a roller carried by the lever and mounted in the aforesaid groove, and an inking roller carried by the lever and mounted for travel across the stamping member.

7. A stamping mechanism for registering machines, comprising a shaft, a rocker arm on the shaft, said rocker arm having a longitudinal groove, a stamping member carried by the rocker arm, a lever swinging parallel to the rocker arm, a roller carried by the lever and mounted in the aforesaid groove, bracket arms on the lever, pivoted arms carried by the bracket arms, and an inking roller carried by the pivoted arms and mounted for travel across the stamping member.

8. A stamping mechanism for registering machines, comprising a shaft, a rocker arm on the shaft, said rocker arm having a longitudinal groove, a stamping member carried by the rocker arm, a lever swinging parallel to the rocker arm, a roller carried by the lever and mounted in the aforesaid groove, bracket arms on the lever, spring-pressed, pivoted arms carried by the bracket arms, and an inking roller carried by the pivoted arms and mounted for travel across the stamping member.

9. A stamping mechanism for registering machines, comprising a stamping member, a base plate carrying the stamping member, a swinging support for the base plate, a plate on the support extending at an incline to one end of the base plate, means for op-

erating the support, an inking roller mounted for travel across the stamping member and mounting the base plate over the aforesaid inclined plate, a pivoted support for the inking roller, and a connection between the supports for operating the inking roller.

10. A stamping mechanism for registering machines, comprising a stamping member, a base plate carrying the stamping member, said base plate having raised end portions, a swinging support for the base plate, means for operating the support, an inking roller mounted for travel across the stamping member, wheels on the roller located to mount the raised end portions of the base plate, yielding supporting members for the roller, a swinging support for said members, and a connection between the supports for operating the inking roller.

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

WILLIAM B. REARICK.

Witnesses:
E. WALTON BREWINGTON,
ALMA L. CARR.