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1,991,511

CHECK INDORSER

Original Filed Aug. 9, 1929 2 Sheets-Sheet 2

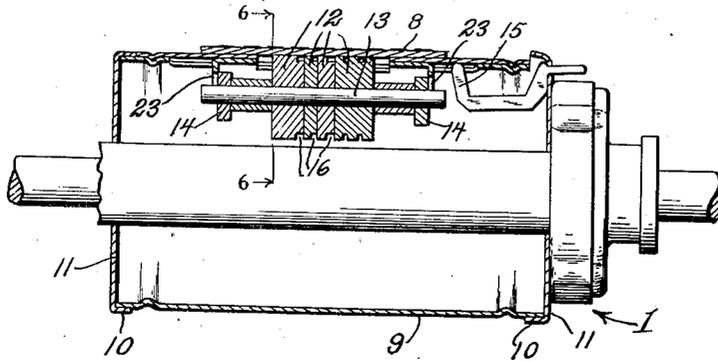


Fig. 4.

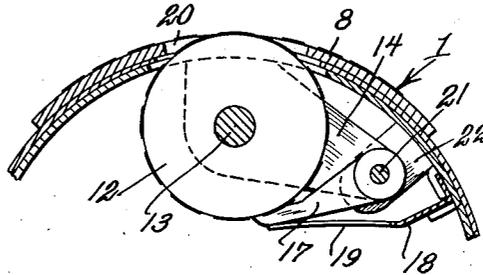


Fig. 6.

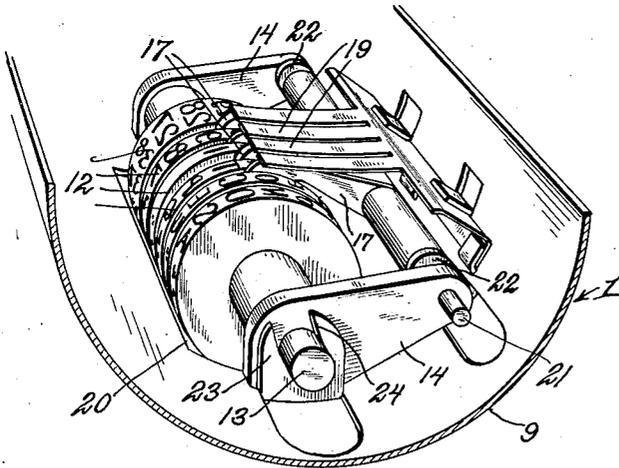


Fig. 5.

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CHECK INDORSER

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Renewed July 19, 1934

9 Claims. (Cl. 101—91)

Our invention relates to check indorsers.

This application is a continuation in part of our copending application Serial No. 284,367, filed June 11, 1928.

5 One of the objects of our invention is to provide a check indorser in which the type cylinder is provided with a set of adjustable dating devices which can be moved from printing to non-printing position.

10 A further object is to provide such a construction in which the movement to non-printing position is effected automatically when a plate is used which has no opening therein for the dating devices.

15 A further object is to provide improved means for ensuring the proper stacking of the checks after they are indorsed.

Further objects will appear from the description and claims.

20 In the drawings, in which an embodiment of my invention is shown—

Figure 1 is a vertical fore and aft section showing my improvement;

25 Figure 2 is an enlarged sectional view showing the stacking mechanism and associated parts;

Figure 3 is a perspective view of a detail;

Figure 4 is an axial sectional view through the type cylinder and dating wheels;

30 Figure 5 is a perspective view of the dating wheels; and

Figure 6 is a section on the line 6—6 of Figure 4.

Referring to the drawings in detail, the construction shown therein comprises a rotatable type cylinder 1, a rotatable cylindrical platen 2 cooperating with the type cylinder, the common tangent to the type cylinder and platen being substantially vertical whereby the checks 3, as they pass between the type wheels and platen, travel substantially in a vertical plane, two horizontal tables 4 and 5 spaced horizontally from each other for holding the stacks of checks 3, lying in a plane above said type cylinder and platen, the space between said tables lying substantially directly above the line of contact between the type cylinder and platen whereby checks may be passed through said space to the feed wheels, means for turning each check into a horizontal plane and disposing it in a definite position after it is released from the type cylinder, so that the side engaged by the type cylinder lies uppermost whereby the checks will be stacked, indorsed side up in the same order in which they were stacked on the table, means for supplying ink to the type cylinder, a framework 6 on which the type

cylinder and associated parts are mounted, and standards 7 on which the platen 2 and table 5 are mounted.

If the operator finds that it is convenient or desirable in feeding the checks 3 from the table to the type cylinder 1 to lift the near edge of the topmost check first, from the stack of checks on the table, the checks will be deposited in a stack face up on the table 4. If, on the other hand, the operator finds it convenient or desirable to lift the farther edge of the topmost check first, the checks will be deposited face up on the other table 5. The operator usually has a lister side by side with the check indorser and lists each check separately, and after listing it drops it into the space between the two tables where it is between the rotatable type cylinder 1 and the rotatable platen 2.

Ink is supplied to the type cylinder by means of a positively driven inking roller 7 which engages the type 20 on the type plate 8 as the type cylinder 1 is intermittently rotated, ink being supplied to the roller 7 from ink reservoir 9.

The type cylinder 1 comprises a cylindrical shell 9 having its end edges fitting within the circular flanges 10 of the cylinder heads 11, a set of changeable dating wheels 12, rotatably mounted on a shaft 13, a pair of swinging arms 14 in which this shaft 13 is mounted, and a type plate lifting lever 15 mounted at one end of the type cylinder to facilitate the separation of the type plate from the type cylinder. Each of the dating wheels 12 is provided with a ratchet portion 16 for cooperation with a spring-pressed positioning pawl 17 which will properly position the dating wheel and hold it in any position to which it may be set. The spring pressure on said pawls may be accomplished by means of a leaf-spring member 18 having an independent leaf-spring portion 19 for cooperation with each pawl 17. This leaf-spring member also serves to tend to hold the dating wheels in printing position in that the leaf-spring members exert outward pressure on the wheels tending to hold the wheels in the position shown in Figures 5 and 6 with the type on the dating wheels in printing position, the wheels extending into the opening 20 provided therefor in the type plate 8.

However, when a type plate is used which has no opening for the dating wheels, as shown in Figure 4, the plate, when it is being applied to the type cylinder, will force the set of dating wheels inwardly against the action of the leaf-spring members 19, the pivoted arms 14 in which the dating wheels are mounted swinging about

the shaft 21. This shaft is mounted in suitable ears 22 struck up from the material of the cylindrical shell 9, this shaft serving also as a mounting for the pivoted pawls 17.

5 In order to limit the distance to which the spring action can force the dating wheels outwardly, a pair of lugs 23 are struck up from the material of the cylindrical shell 9 and provided with positioning notches 24 in which the ends of the shaft on which the dating wheels are mounted
10 move.

In use, it will be seen that when a type plate having an opening 20 for the dating devices is used, the dating devices will be held in printing
15 position in said opening by means of the leaf-spring members 19 and that when a plate having no opening for the dating devices is used the dating devices will be pressed by said plate to non-printing position, as shown in Figure 4.

20 The check 3, after having passed the type cylinder and platen and thus receiving its indorsement, travels down so that its lower edge engages the arcuate arms 25 of the cam-controlled oscillatable check stacker 26, which arms are there-
25 after withdrawn from underneath the lower edge of the check, the upper pusher arms 27 engaging the upper part of the check to tip it forward, as indicated in Figure 1, and cause it to drop indorsed side up on the base plate 28. In order
30 to insure that the check does not slide down along the framework in which the type cylinder is mounted, a number of corrugated uprights 29 are provided which are engaged by the lower edge of the check as it slips downwardly, thus causing
35 the upper edge of the check to tilt about the lower edge to increase the tipping action of the check and to ensure there being deposited indorsed side up, as indicated in Figure 1.

In order to ensure that the checks may be stacked in a neat pile with their edges lying adjacent the framework 30, a number of inclined
40 ribs 31 are provided formed integral with the standards 7 which support the table 5 and platen 2, as shown in Figure 1. The checks as they fall downwardly are guided by these inclined ribs so that they will be deposited in a neat stack, as shown in Figure 1.

We claim:

1. A check indorsing machine comprising a
50 printing cylinder having provisions whereby the type plate may be readily attached and detached with respect thereto, whereby either a plate having an opening for dating devices may be used or a plate having no opening for dating devices
55 may be used, a set of adjustable dating devices, and means for movably mounting said dating devices on said cylinder for movement from printing to non-printing position, and means for yield-
60 ably pressing said devices toward printing position, whereby when a plate having an opening for the dating devices is used, the dating devices will be held in printing position in said opening and whereby when a plate having no opening for the dating devices is used the dating devices
65 will be pressed by said plate to non-printing position.

2. A check indorsing machine comprising a
70 printing cylinder having provisions whereby the type plate may be readily attached and detached with respect thereto, a set of rotatably adjustable dating wheels, means for movably mounting said dating wheels in said cylinder for movement from printing to non-printing position, ratchet and pawl mechanism for holding said
75 type wheels in rotatably adjusted position, and

spring means for maintaining the pawl mechanism in cooperative relation with the ratchet mechanism and for yieldably pressing the dating wheels toward printing position.

3. A check indorsing machine comprising a
5 printing cylinder having provisions whereby the type plate may be readily attached and detached with respect thereto, a set of rotatably adjustable dating wheels, a pivotally mounted frame on which said dating wheels are rotatably mounted,
10 said frame being rockable back and forth to move said dating wheels from printing to non-printing position and vice versa, and ratchet and pawl mechanism for holding said type wheels in rotatably adjusted position.
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4. A check indorsing machine comprising a
printing cylinder having provisions whereby the type plate may be readily attached and detached with respect thereto, a set of rotatably adjustable dating wheels, a pivotally mounted frame on
20 which said dating wheels are rotatably mounted, said frame being rockable back and forth to move said dating wheels from printing to non-printing position and vice versa, and ratchet and pawl mechanism for holding said type wheels in rotatably adjusted position, said pawl mechanism and pivotally mounted frame being coaxial.
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5. A check indorsing machine comprising a
30 printing cylinder having provisions whereby the type plate may be readily attached and detached with respect thereto, whereby either a plate having an opening for dating devices may be used or a plate having no opening for dating devices may be used, a set of adjustable dating devices, means for movably mounting said dating devices
35 on said cylinder for movement from printing to non-printing position, and means for yieldably pressing said devices toward printing position, whereby when a plate having an opening for the dating devices is used, the dating devices will
40 be held in printing position in said opening and whereby when a plate having no opening for the dating devices is used, the dating devices will be pressed by said plate to non-printing position, said movable mounting means comprising a rock
45 frame in which the adjustable dating devices are rotatably mounted.

6. A check indorsing machine comprising a
50 printing cylinder provided with a type plate and having an opening therein to provide clearance for dating devices, a set of adjustable dating devices, means for movably mounting said dating
55 devices on said cylinder for movement from printing to non-printing position, and means for yieldably pressing said devices toward printing position.

7. A check indorsing machine comprising a
60 printing cylinder having type on its periphery, a set of rotatably adjustable dating wheels, and a pivotally mounted frame on which said dating wheels are rotatably mounted, said frame being
65 rockable back and forth to move said dating wheels from printing to non-printing position and vice versa.

8. A check indorsing machine comprising a
65 printing cylinder having type on its periphery, a set of rotatably adjustable dating wheels, a pivotally mounted frame on which said dating wheels are rotatably mounted, said frame being
70 rockable back and forth to move said dating wheels from printing to non-printing position and vice versa, and ratchet and pawl mechanism for holding said type wheels in rotatably adjusted position.

9. A check indorsing machine comprising a
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printing cylinder having type on its periphery, a set of rotatably adjustable dating wheels, a pivotally mounted frame on which said dating wheels are rotatably mounted, said frame being rockable back and forth to move said dating wheels from printing to non-printing position and vice versa, and ratchet and pawl mechanism for holding said type wheels in rotatably adjusted position, said pawl mechanism and pivotally mounted frame being coaxial.

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