

(No Model.)

S. SCHWARZSCHILD.
CHECK PRINTER.

No. 580,470.

Patented Apr. 13, 1897.

Fig. 1.

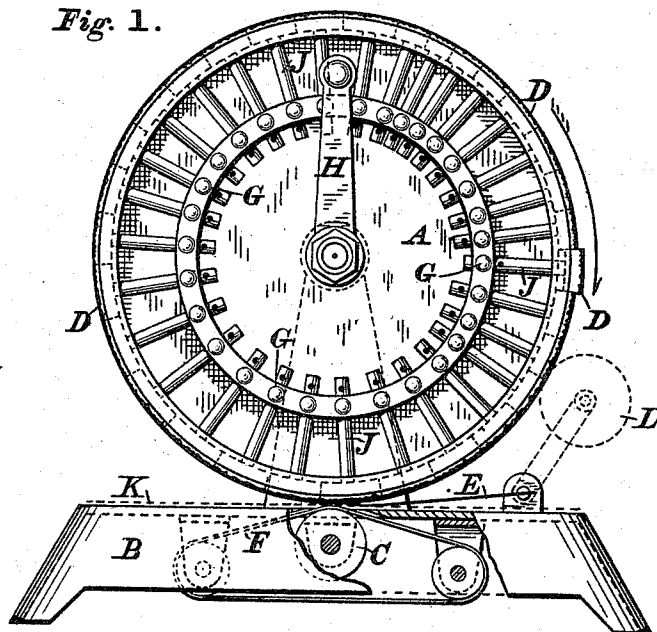
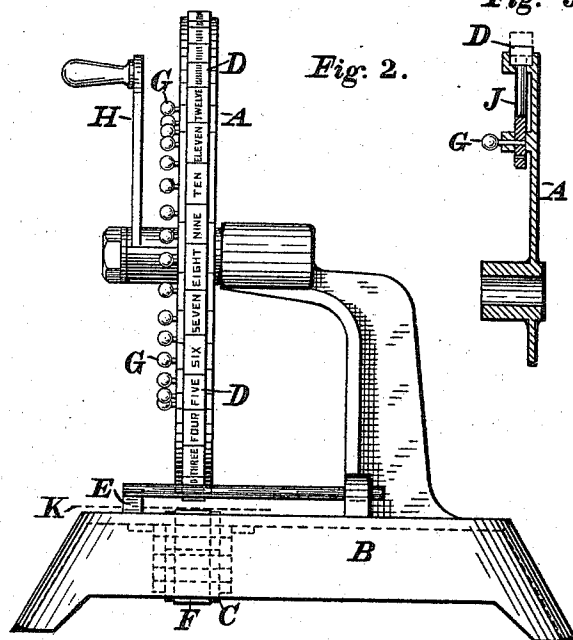


Fig. 3.



WITNESSES;

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UNITED STATES PATENT OFFICE.

SOLOMON SCHWARZSCHILD, OF ROCHESTER, NEW YORK, ASSIGNOR, BY
DIRECT AND MESNE ASSIGNMENTS, TO EDWIN A. NASH, PERCY R.
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CHECK-PRINTER.

SPECIFICATION forming part of Letters Patent No. 580,470, dated April 13, 1897.

Application filed January 27, 1897. Serial No. 620,867. (No model.)

To all whom it may concern:

Be it known that I, SOLOMON SCHWARZSCHILD, a citizen of the United States, residing at Rochester, in the county of Monroe, in the State of New York, have invented an Improved Apparatus for Preparing Checks, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improved apparatus for preparing checks, drafts, &c., whereby the amount for which such check or draft is drawn is quickly and plainly printed and embossed in indelible characters thereon in such manner as to prevent the altering or raising of the same.

My invention is fully illustrated and described in the following specification and the accompanying drawings, the novel features thereof being specified in the claims annexed to the said specification.

In the accompanying drawings, representing my invention, Figure 1 is a front elevation. Fig. 2 is a side view. Fig. 3 is a radial section.

My invention is embodied in the apparatus represented in the accompanying drawings, in which A is the revolving wheel, B the base, C the roller or platen, and D a series of revolving radially-movable type-blocks which represent all the numbers between one and one thousand necessary to enable the operator to print on the check, draft, &c., any amount up to nine hundred and ninety-nine thousand nine hundred and ninety-nine. For this purpose there are twenty-nine blocks having printing-faces as follows: "one," "two," "three," "four," "five," "six," "seven," "eight," "nine," "ten," "eleven," "twelve," "thirteen," "fourteen," "fifteen," "sixteen," "seventeen," "eighteen," "nineteen," "twenty," "thirty," "forty," "fifty," "sixty," "seventy," "eighty," "ninety," "hundred," and "thousand." The word "and" and some other marks may be placed on some additional blocks. Any suitable style of characters may be employed.

In operating the machine the blank check is placed on the base, under the spring E and over the inking-ribbon F and roller C, and,

supposing it be desired to make out the check for seventy dollars, the type-block having "seventy" on its face is pushed out beyond the faces of the other type-blocks, and such type-block being secured in its outermost position by the pin G or other suitable device the wheel is revolved by the handle H and the word "seventy" is impressed or embossed on the paper and printed in any suitable ink or color thereon—on both sides, if desired—the paper being moved along by the contact of the type-block and roller with it and its fiber being broken down or opened by the embossing action, so that the ink is thoroughly incorporated in the substance of the paper itself. The movement of the paper while being embossed and printed may be restrained and guided by the spring E, which holds the paper down on the base.

The operation may be repeated and any desired amount printed and embossed on the check by the use of the type-blocks, either singly or in succession and with the interposition of the word "and," if required.

In Fig. 1 the type-block having "eight" on its face is represented as projected beyond the others, so that when the wheel is revolved this particular type-block alone will impress itself on the paper and indent the word "eight" therein. The roller is attached to the base, and the wheel is supported on a suitable arm I, being so located that a heavy pressure is produced on the paper as it is fed along between the type-blocks and the roller.

The wheel A is constructed in any suitable manner, and the type-blocks are arranged thereon in any suitable way so as to be radially adjustable. In the construction shown the type-blocks are attached to radial arms J, provided with holes in which the pins G engage to hold the type-blocks projected in printing position. The blocks may also be fastened in their inward position by similar means.

The check rests on the base, as indicated by the dotted lines K, the spring E pressing the check down on the base and holding it in the proper position, but permitting it to be fed onward by the type-block and roller.

Any suitable means, such as the inking-

roller L or an inking-ribbon extending entirely around the wheel and type-blocks, may be employed, and the ribbon F below the paper may be carried around suitable supporting-rollers or otherwise arranged. The contact between the type and the paper is prolonged in consequence of the rolling character of the impression, which also embosses and breaks down the fiber of the paper, the impression being embossed through the paper, so as to be plainly visible in raised characters from the back of the check, while during the printing the ink is incorporated and embedded in the substance of the check, so it can only be removed by destroying the paper, or in case solvents should be found for the pigments of the ink the embossed impression will still remain.

I claim—

1. The combination, in a check-printing apparatus, of a revolving wheel, a series of radially-movable type-blocks representing the requisite numbers between one and one thousand arranged around the periphery of the said wheel, means for holding any one of the type-blocks with its printing-face project-

ed beyond the others, a revolving roller acting as a platen arranged on an axis parallel to the axis of the wheel, and a suitable supporting-frame, whereby the desired amount is printed and embossed on the check by pressure between the projected type-block and the roller, substantially as described.

2. The combination, in a check-printing apparatus, of a revolving wheel, a series of radially-movable type-blocks representing the requisite numbers between one and one thousand arranged around the periphery of the said wheel, means for holding any one of the type-blocks with its printing-face projected beyond the others, a revolving roller acting as a platen, a suitable supporting-frame, means for inking the type-blocks, and an inking-ribbon on the roller, whereby the desired amount is embossed and the check printed on both sides by pressure between the projecting type-block and the roller, substantially as described.

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Witnesses:

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