June 1, 1948. W. R. JESSEPH 2,442,567

CHECK PROTECTOR

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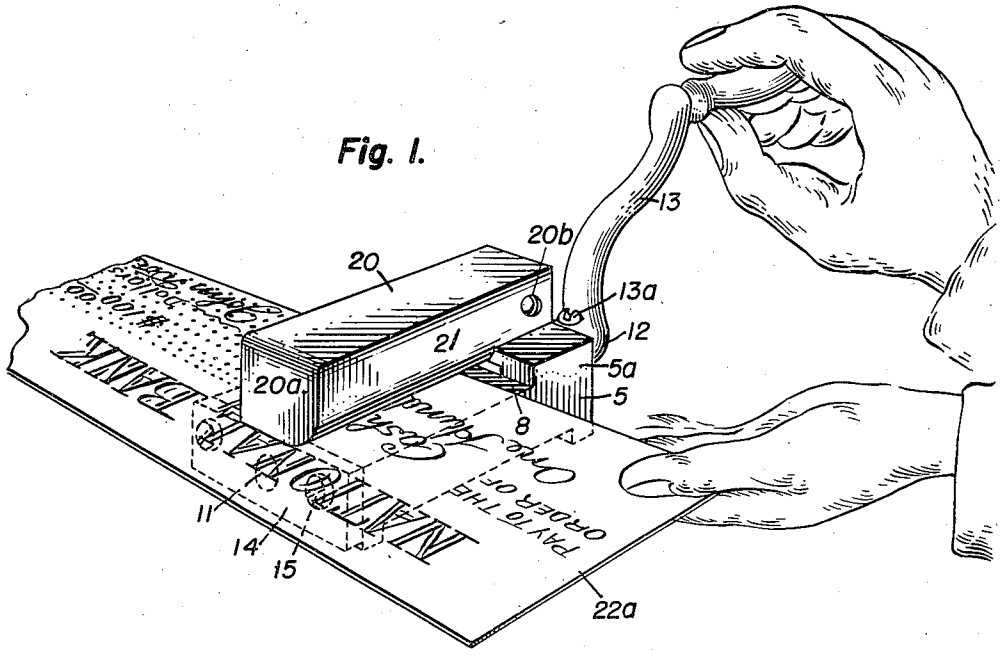
Fig. 1.



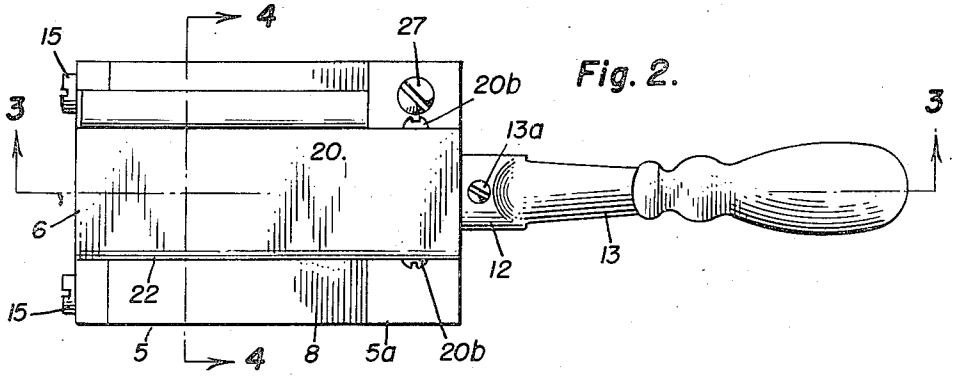


Fig. 2.

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Fig. 3.

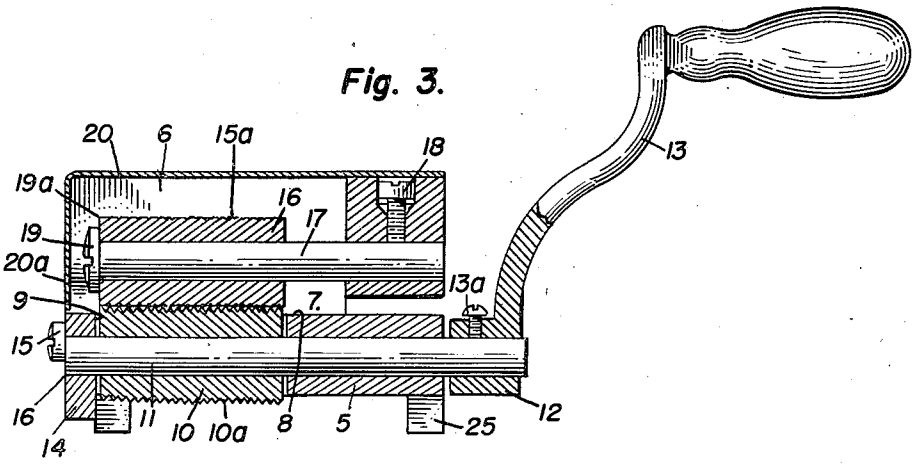


Fig. 4.

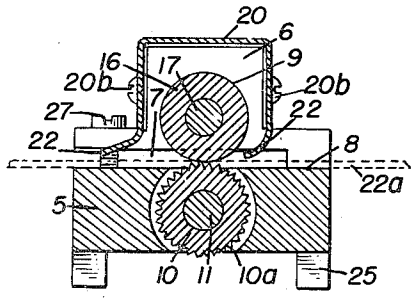


Fig. 5.

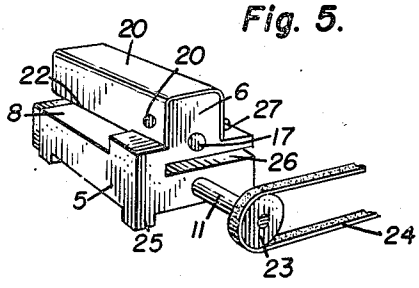
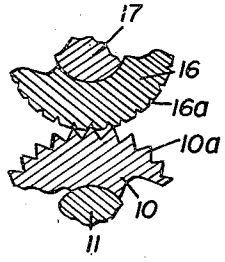


Fig. 6.



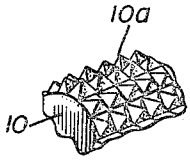


Fig. 7.

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Patented June 1, 1948

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UNITED STATES PATENT OFFICE

2,442,567

CHECK PROTECTOR

William R. Jesseph, Buffalo, N. Y., assignor of one-half to Frank E. Wheeler, Buffalo, N. Y.

Application November 26, 1946, Serial No. 712,374

4 Claims. (Cl. 164—99)

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This invention relates to new and useful improvements in check protectors and more particularly to a device adapted to perforate the surface of a check.

The primary feature of this invention is to provide a device of the character referred to that can be either operable by hand or motor means thereby assuring an easy and quick means for perforating a check.

Another feature of this invention is to provide a device of this character that will imprint the check with perforations, these perforations being indented from the back of the check or the front of the check depending on the manner in which the check is inserted into said device.

A further feature of this invention is to provide a device of this character having rollers that perforate the check and at the same time feed said check outwardly of the device.

A still further feature of this invention is to provide a device that is neat and attractive in appearance, strong and durable in construction, efficient and reliable in operation, relatively inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of the improved check protector in use.

Figure 2 is a top plan view of the check protector.

Figure 3 is a longitudinal sectional view taken on line 3—3 of Figure 2.

Figure 4 is a transverse sectional view taken substantially on the line 4—4 of Figure 2.

Figure 5 is a perspective view of the check protector showing a motor operating means connected thereto.

Figure 6 is an enlarged fragmentary sectional view illustrating the manner in which the male and female rollers intermesh.

Figure 7 is an enlarged fragmentary view of the male roller.

Referring now to the drawings in detail, wherein for the purpose of illustration, I have disclosed a preferred embodiment of the invention, the numeral 5 represents a base having a transversely extending rib 5*a* at its rear. Extending upwardly from the center of rib 5*a* is a block 6.

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A substantially cylindrical longitudinal recess 9 is provided in the base 5 in which a cylindrical male or die roller 10 having extruder points 10*a* is adapted to rotate, said roller being suitably secured to a shaft 11 journaled in the base. The rear end of said shaft extends outwardly from the rear portion of base 5 and is adapted to engage the socket end 12 of a crank handle 13, said socket end carrying a set screw 13*a* which bears against said shaft 11.

An end plate 14 preferably rectangular is held against the forward face of base 5 by a pair of screws 15. An opening 16 is provided in said plate and adapted to receive the forward end of shaft 11, said forward end of shaft 11 being flush with the outer face of plate 14.

The extruder points 10*a* of die roller 10 extends slightly upwardly from the upper face 8 of the base and slightly below the lower face of said base as shown in Figure 3.

A cylindrical cooperating female roller 16 is journaled on a longitudinal shaft 17 for rotation thereon, the rear end of said shaft extending into block 6 and is held therein by a set screw 18.

Cooperating female roller 16 lies longitudinally over die roller 10 and said cooperating roller 16 has indentations 16*a* into which the extruder points 10*a* of roller 10 extend as shown in Figure 6.

A substantially inverted U-shaped cover 20 having its forward end 20*a* closed is placed over block 6 and extends forward therefrom and said cover is secured to the sides of said block by a pair of screws 20*b*.

The side edges 21 of said cover extend downwardly toward the upper face of base 5 and are bent laterally to form lips 22 extending in the same direction thereby keeping flat that portion of a check 22*a* immediately adjacent the rollers when passing therethrough and said side lips 22 are also adapted to guide said check outwardly from one side of the base 5 as rollers 10 and 16 are rotated.

In use of the device a check 22*a* is placed either face downward or face upward on the upper face 8 of base 5 and the end of said check is gripped by rollers 10 and 16 and drawn through the rollers by manipulating crank handle 13.

It will be noted that the perforations indented in the check extend upwardly. For a reverse in the perforations in the check the check is merely inverted.

In order to increase the speed in which the device operates, a pulley wheel 23 replaces the crank handle 13 and said pulley wheel is con-

nected by an endless belt 24 to a motor means (not shown).

To facilitate resting said base on a supporting surface, downwardly extending legs 25 are formed at the lower corners of said base, said legs being an integral part of said base.

A horizontal recess 26 is provided inwardly from one side of rib 5a, said portion of rib 5a over said recess is slightly resilient and a vertical set screw 27 carried by rib 5a is adapted to adjust said rib 5a slightly thereby causing slight adjustment of roller 16 to roller 10.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

What I claim as new is:

1. In a check protective device of the class described, a base having a rib formed at its rear end, downwardly extending legs formed at the lower corners of said base, a shaft carried by the base, the outer end of said shaft extending outwardly from the rear of the base and adapted for rotation, a cylindrical recess in the base, a cylindrical die roller having extruder points carried by the shaft and adapted for rotation in the cylindrical recess, a second shaft carried by the rib and extending forwardly from said rib, a cylindrical cooperating roller journaled on said second shaft, said cooperating roller provided with indentations in which the extruder points of the die roller are received, a substantially inverted U-shaped cover closed at its outer end extending over the rib and extending forwardly from said rib, said cover being held to the sides of the rib, the side edges of said cover terminating slightly above the upper face of the base, lips on the lower edges of the cover adapted to guide a piece of paper between the rollers and outwardly from the side of the base, said rib having a horizontal recess extending inwardly from one side of the rib, and a set screw held vertically in the end of the rib over the horizontal recess, and extending into the base to vertically adjust the rib to adjust the last-named roller relative to the first-named roller.

2. A check protector comprising a base having a raised portion, a shaft rotatably carried by the base, a cylindrical recess in the base, a cylindrical die roller positioned in the recess and having extruder points carried by the shaft for rotation thereby, a further shaft carried by the raised portion of said base and spaced parallel to the first-mentioned shaft, a cylindrical roller rotatably carried by the further shaft, said last-mentioned roller having indentations for engaging the extruder points of said first-mentioned roller, a cover carried by the raised portion of said base loosely embracing the last-mentioned roller, and guides carried by the cover and spaced relative to the base.

3. A check protector comprising a base having a raised portion, a recess in the base, a driving roller rotatably positioned in the recess in the base, a driven roller rotatably carried by the raised portion of said base, one of said rollers having extruder points and the remaining of said rollers having recesses for engaging said extruder points, a substantially U-shaped cover carried by the raised portion of said base loosely embracing the driven roller, and arcuate lips carried by the cover spaced relative to the base and forming guides.

4. A check protector comprising a base having a raised portion, a recess in the base, a first roller rotatably positioned in the recess, the outer surface of the first roller projecting from said base, a second roller rotatably carried by the raised portion of the base, one of said rollers having a plurality of extruder points and the remaining of said rollers having recesses for engaging the extruder points, a substantially U-shaped cover carried by the raised portion of said base, a pair of guides carried by said cover and spaced relative to said base, and means for rotating said rollers.

WILLIAM R. JESSEPH.

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