Sept. 12, 1950 F. FOSTER 2,521,842

PRIMER CATCHER

Filed April 11, 1949

Fig. 3.

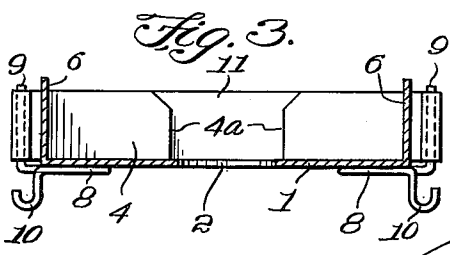


Fig. 1.

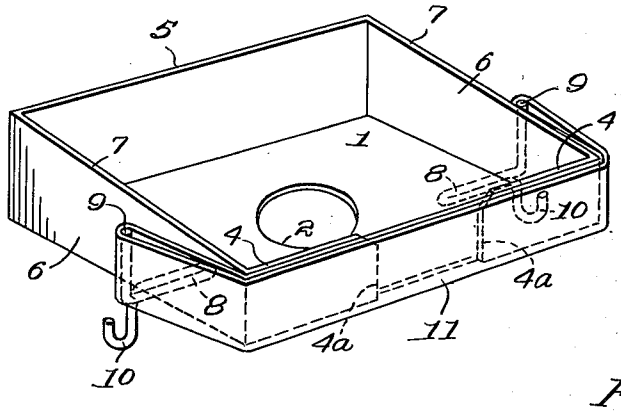


Fig. 2.

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PRIMER CATCHER

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1 Claim. (Cl. 86—1)

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The present invention relates to the general class of ammunition and explosive-charge making, including manually operated re-loading implements, and more specifically to an improved primer catcher or collector for interchangeable use with a cartridge re-loading tool, to prevent waste of spent primers and to collect such primers for subsequent use. The primary purpose of the invention is the provision of an accessory for the re-loading tool that may readily be mounted in operative position and attached by means of quick-detachable fasteners to the frame of the implement, without obstructing the necessary movements of operating parts of the tool.

The portable catcher or collector includes a minimum number of parts that may be manufactured with facility and low cost of production, and the parts may be assembled with convenience to provide an accessory that may be applied to the tool with a minimum expenditure of time and labor.

The invention consists in certain novel features of construction and combinations and arrangements of parts as will hereinafter be described and more particularly set forth in the appended claims.

In the accompanying drawings I have illustrated a complete example of a physical embodiment of my invention in which the parts are combined and arranged in accord with one mode I have devised for the practical application of the principles of my invention. It will however be understood that changes and alterations are contemplated and may be made in these exemplifying drawings and mechanical structures, within the scope of my claim, without departing from the principles of the invention.

Figure 1 is a view in side elevation showing portions of a well-known cartridge re-loading implement with which my primer catcher is equipped.

Figure 2 is a perspective view of the collector or catcher detached from the tool; and

Figure 3 is a transverse vertical sectional view of the collector looking toward the front.

In order that the general arrangement and utility of parts may readily be understood I have shown in Fig. 1 a re-loading tool, or hand operated implement including the casting or frame F that is affixed to a suitable support or bench B. Some of the operating parts of the tool are indicated, as a detachable cartridge holder H which forms a post that passes through the portable collector or catcher, a priming arm M that is pivotally mounted at P on the frame, and the spindle S with lock nuts N.

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The catcher or collector for the spent primers as they fall from the operating parts of the tool, is seated on the frame and surrounds the holder in position to recover the falling primers, without obstructing the operation of the pivoted priming arm, as indicated by dotted lines in Fig. 1.

As here shown the collector or catcher includes a preferably rectangular and flat tray of metal, hardened plastic, or other suitable material having a bottom 1, provided with a circular hole or aperture 2 that is adapted to slip over the holder H in position for the bottom of the tray to rest upon the tubular base 3 of the tool frame F.

The tray is fashioned with a front wall 4 that is cut away or centrally slotted at 4a, the back wall 5 of the tray is preferably higher than the front wall, and the two side walls 6, 6, of the tray have downwardly sloping edges 7, 7, to the front wall 4.

To provide quick-detachable fastening means for holding the tray in operative position; and to support an elastic, resilient, and flexible closure for the front slotted wall that will permit unobstructed operation of the priming arm M, the tray is equipped with a pair of laterally spaced exterior brackets for the fastening means and the flexible wall portion.

As here shown the brackets are each made up from wire stock that is folded and bent by suitable tools to form a horizontally disposed bent shank 8 that may be welded, brazed or otherwise affixed to the under side of the bottom 1, and the shank is fashioned with an upright post 9 slightly spaced from the exterior face of an adjoining side wall of the tray, and a hook 10 that depends slightly below the bottom of the tray.

To provide a double thick and depressible closure for the front slotted wall of the tray that is located in the path of movement of the pivoted arm M, a band of rubber 11, which may be fashioned of other elastic, resilient, or flexible material, is stretched across the outer face of the front slotted wall, and the looped ends of the band are mounted upon the two spaced posts 9, 9.

As a quick-detachable fastener for holding the tray in seated position on the base 3 of the frame I employ another endless band of rubber, or other elastic and resilient material as 12. One end of this flattened double thick band is looped around one of the hooks, then passed under the base portion 3 of the frame, and the other end of the looped band is snapped over the second hook at the opposite side of the tray, for detachably holding the tray in operative position.

After the tray has performed its required functions in collecting the spent primers, the collector

may readily be detached from the tool to permit further and additional operations of the re-loading implement.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent is:

In the primer collector as described, the combination with a tray having a flat bottom provided with a central aperture, a slotted front wall, a rear wall of greater height than the front wall and side walls tapering downwardly from the rear wall to the front wall, of a pair of laterally spaced brackets mounted on the exterior of the tray, each of said brackets including an attaching shank secured to the lower surface of the tray at opposite sides thereof, an upright post extending upwardly from the shank parallel to the side walls and a depending hook extending below the plane of the lower surface of the bottom, an elastic band having its ends mounted on the hooks, an elastic band mounted against the exterior face of the slotted wall, and the ends of the second elastic band being mounted on the upright posts.

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