

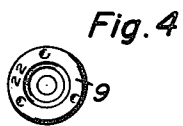
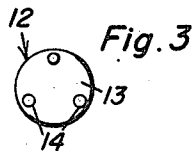
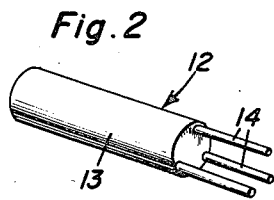
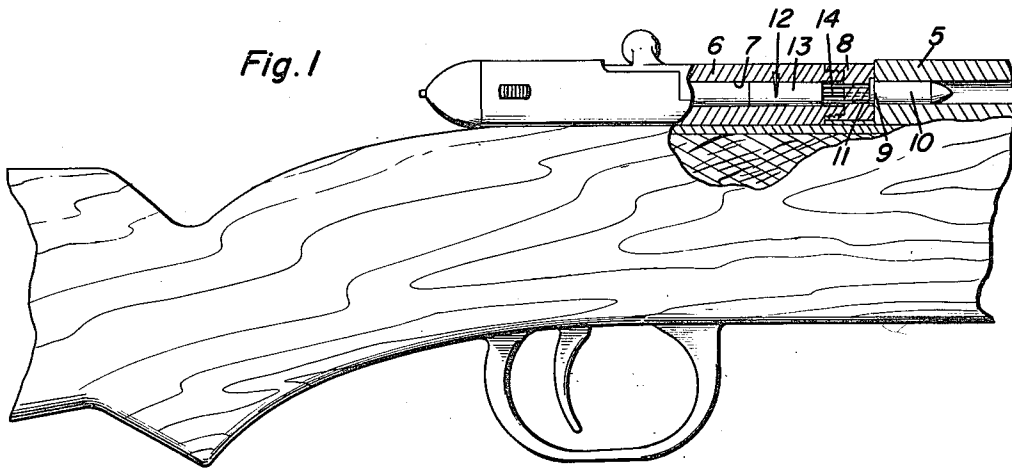
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2,793,455

FIRING PIN FOR FIREARMS

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2,793,455

FIRING PIN FOR FIREARMS

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1 Claim. (Cl. 42-69)

The present invention relates to new and useful improvements in firing pins for use with rim fire cartridges in firearms.

An important object of invention is to provide a multiple firing pin projecting forwardly at one end of a cylindrical body which is actuated by the firing mechanism of a firearm to ensure effective firing of the cartridge.

Another object of invention is to construct the sliding bolt of the rifle with a cap held against the rear of the cartridge and forming the cap with a plurality of guide bores for the several firing pins to guide the latter into striking engagement adjacent the rim of the cartridge.

A still further object is to provide a device of this character of simple and practical construction, which is efficient and reliable in operation, relatively inexpensive to manufacture and otherwise well adapted for the purpose for which the same is intended.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a fragmentary side elevational view of a rifle with the sliding bolt and barrel shown in longitudinal section;

Figure 2 is an enlarged perspective view of the multiple firing pin;

Figure 3 is a front end elevational view thereof; and

Figure 4 is a rear end elevational view of a rim fire cartridge.

Referring now to the drawing in detail, wherein for the purpose of illustration, I have disclosed a preferred embodiment of my invention, the numeral 5 designates a

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rifle barrel equipped with a sliding bolt 6 operated in a conventional manner and having a bore 7 therein.

A cap 8 is threadedly connected to the front end of the bolt 6 and is movable into position against the rear end 9 of a rim firing cartridge 10 inserted in the barrel 5.

The cap 8 is formed with a plurality of guide bores 11 aligned with the rear 9 of the cartridge adjacent the periphery thereof.

The firing pin is designated generally at 12 and includes a cylindrical body 13 having a plurality of firing pins 14 projecting forwardly at the front end of the body and slidable in the bores 11 of the cap 8.

In the operation of the device, the body 13 is positioned in the bore 7 of the bolt 6 for sliding movement forwardly therein by the firing mechanism (not shown) of the rifle, and the forward movement of the body 13 causes the pins 14 to strike the rim 9 of the cartridge adjacent the periphery thereof to fire the cartridge.

The provision of the multiple firing pins 14 in striking a rim fire cartridge ensures the effective firing thereof.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claim.

What is claimed as new is as follows:

In a firearm, the combination of a barrel adapted to receive a rim firing cartridge, a slidable bolt including a separable cap movable into abutting position with the rear of the cartridge, said bolt having a main bore and said cap having a plurality of guide bores aligned with the rim of the cartridge, and a firing pin including a cylindrical body slidable in the main bore of the bolt and a plurality of pins projecting forwardly at the front end of the body and slidable in the guide bores for striking the rim of the cartridge.

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