

REVISED

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April 29, 1971

MODEL 742 RIFLE

With respect to the three complaints received during the past year involving Model 742's firing when the bolt is allowed to slam forward on a single round loaded into the chamber without the box magazine in the rifle, Ilion Research stated that finally they had been able to duplicate the occurrence. Some guns, depending upon the firing pin protrusion, will fire when the muzzle or front of the fore end is resting against a solid object and the barrel is pointed downward at a 45° angle. The gun will not fire if an empty magazine is in position.

Research is experimenting with the retraction spring located in the carrier instead of the bolt. The use of a stronger spring located in the new position may eliminate the problem. Further development and testing are required before recommendations will be made. It was estimated this would require approximately 30 days.

The instruction manual, which accompanies each gun, will be revised immediately to emphasize the safe method of loading the rifle.

Bridgeport Research will obtain large size rifle primers of all makes to determine the range of cup thickness and relative sensitivity. If the range of cup thickness is as great as that found in commercial small rifle primers, this could preclude the use of reloads with certain makes of primers in the Model 742.

COMMITTEE ACTION

The Sub-Committee approved the Research report and the revision of the Model 742 Instruction Manual.

THE 3200 SHOTGUN

Ilion Research requested the Sub-Committee's approval of the design of and concept for the firing pins of The 3200 Shotgun. The concept is that when the breech is closed on the loaded shells, the firing pins will be resting against the shell primers. In other double barreled guns, side-by-side or over-and-under, the firing pin is held away from the primer by a retraction spring. In The 3200 Shotgun, the pins will be held against the primer by an approximately 4-ounce spring. When the action is closed, the firing pins will always protrude. This system should prevent the old problem of firing pin breakage when a double is snapped on an empty chamber.

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