

RIM FIRE RIFLES - contd.MODEL 590-591-592, 5mm CAL. RIM FIRE RIFLES

R & D has been testing the gas escape design which is being added to 5mm caliber rifles. Tests indicate the following:

<u>Pressures</u>	<u>Effect in Rifle</u>
55,000 to 60,000 PSI	Intermittent gas blowout through gas escape.
60,000 to 66,000 PSI	100% Extractor blowout on left side.
66,000 to 72,000 PSI	100% blowout of left and intermittent right Extractor.
72,000 + PSI	100% blowout of left and right Extractors and intermittent Ejector.

In all tests, there was no harm to the shooter. Twelve (12) rifles are being converted for testing a lot of 4000 rounds of special heavily loaded ammunition supplied by Bridgeport R & D.

The Ilion Research Division has concluded that rifles with the gas escape provisions are safe.

The model drawings for the gas escape were released by R & D during the latter part of December. Temporary tooling is being made to produce a pilot quantity of parts. Rifles should be available for test during the latter part of January. Permanent tooling should be available in March.

R & D is making a change to the formed Cartridge Feed Insert and to the powder metal Carrier for the Model 592 to improve functioning. New parts should be available in March.

Committee Action:

Based on the ammunition development, a new announcement date will have to be established.

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