

TO: W.E. LOCK

From: J. P. ...

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Evaluation of the Bolt Action Rifle Safety Mechanisms - M/580, 788, 600 & 700

Future Program

1. The 540 Series fire controls will be altered to reflect the changes made in the M/580 and 788 fire controls.
2. The sear pin will be looked into as one backed out in testing. This is presently a substitute pin and will be changed to a spiral pin as soon as the testing can be completed on the new pin. When the solid pin backed out after about 20,000 cycles it resulted in a fire on safe condition. The pin slipped out of one side of the housing, letting the sear slip down. When the safety was positioned to the on safe position there was inadequate lift, so if the trigger is pulled it will become trapped ahead of the sear. When the safety is moved to the fire position the gun will discharge.

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Ilion Research Division