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by closing the bolt. The rifle did not malfunction when the bolt was closed in a normal manner, even when moved quite hard and fast. However, the rifle could be made to 'follow-down" (a failure of the rifle to cock) if the bolt was closed extremely hard and violently fast. This failure to cock, although it leaves the firing pin forward and the bolt closed, does not cause firing.

Disassembly of the rifle revealed that the trigger assembly was extremely clean. There was essentially no lubricant present, including none of the factory lubricant. It was noted that there was no dust or lint present which would be expected in a rifle used as you described. The trigger mechanism has been tampered with since it left the factory. Our associated significant findings are:

1) A trigger mechanism has been removed from this receiver and reassembled. It is possible that this trigger mechanism is not the one originally assembled to this rifle at the factory.

2) The original factory sealant on all three adjusting screws in the fire control has been removed, and a non-factory sealant has been used on the trigger engagement and overtravel adjustment screws. The trigger pull screw has not had any sealant added since the after-factory adjustment was made.

3) The trigger pull was measured to be 4.15 pounds average which is barely within our specifications of 4 to 6 pounds.

4) The trigger engagement screw has been adjusted down to a connector/sear engagement of .0048" which is less than one-third of the minimum factory specification of .015". Proper connector/ sear engagement is extremely important for the safe and proper function of the rifle, and the engagement screw is set, staked and sealed at the factory. Although the amount of engagement in your rifle may allow it to appear to be operating properly, it is not within our specifications and is not safe to use in this condition. The follow-down malfunctions which occurred by slamming the bolt closed in our tests were due to this lack of full connector/sear engagement.