

CC: D.E. Miller
S.M. Alvin
R.A. Williamson
H.J. Hackman
V.G. DeRous
W.E. Leck

Ilion, New York
March 11, 1958

W. A. BERT

MODEL 725 - Cal. 270 - PILOT LINE TEST

Ten of the above rifles were withdrawn from warehouse on 2/25/58 and subjected to test. Each rifle was fired 320 rds. using five types of ammunition ranging from the 100 gr. bullet on up to the 150 gr. bullet.

Conclusions:

1. All guns unload live ammunition satisfactorily.
2. Eight of the ten rifles close up hard on Winchester ammunition. This is caused by a sharp ejector and soft brass.
3. Function-wise there was one bad performing gun having 10 failures to eject in 320 rds., for a rate of 3%. The ejector on this rifle binds due to excessive brass shavings.
4. The trigger pull on rifle #701101 was way out of adjustment, and was corrected.
5. The extractor staking on gun #701333 came loose and resulted in the extractor turning over on the ejector, blocking it.
6. Inasmuch as there was no change in the inherent accuracy design of this caliber compared to the 30-06 caliber, accuracy test was deleted.

Results:

<u>Gun No.</u>	<u>Malif.</u>	<u>Rate</u>	<u>Remarks</u>
701384	10	3 %	10 Failures to eject (Ejector binds due to brass shavings.)
701337	None	-0-	Hard closing on Win. ammo.
700290	None	-0-	Hard closing on Win. ammo.
701369	3	.9%	3 Failures to eject. Hard closing on Win. ammo.

W. A. Best

-2-

March 11, 1958

<u>Gun No.</u>	<u>Malif.</u>	<u>Rate</u>		<u>Remarks</u>
700837	2	.6%	2	Failures to eject. Hard closing on Win. Ammo.
701101	None	-0-		Hard closing on Win. ammo. Trigger pull adjusted.
701257	None	-0-		-
701333	1	.3%	1	Failure to eject. Extractor blocked ejector. Hard closing on Win. ammo.
701384	None	-0-		Hard closing on Win. ammo.
701238	None	-0-		Hard closing on Win. ammo.

C. J. Theriault
Supervisor - Testing Unit

CJT:T