

DAILY PROGRESS REPORT

3/5/48

SUBJECT: M/722 Pilot Line Test (300 Savage)

Eight (8) M/722 rifles were chosen from a lot of fifty and fired 120 rounds each with results as follows:

<u>Gun No.</u>	<u>Rounds Fired</u>	<u>Percent Performance</u>	<u>Ejection</u>	<u>Feeding</u>	<u>Remarks</u>
25412	0-120	1.7%	1	1	Bolt over-rode 5th round. Failed to eject (slow)
23998	0-120	10%	6	6	Bolt over-rode shell (slow) - 4 Shell jumped rails (slow) - 2 Failed to Eject (slow)
25397	0-120	5.8	7		Failed to Eject (slow)
25418	0-120	1.7	2		Failed to Eject (slow)
25361	0-120	2.5	3		Failed to Eject (slow)
25297	0-120	4.2	5		Failed to Eject (slow)
25347	0-120	8.3	10		Failed to Eject (slow)
24728	0-120	5.8	7		Failed to Eject (slow)

Six 10-shot groups were fired with each gun (2 shooters fired three groups each) at 100 yards from a bench rest using a 10-power scope. Ammunition: 180 grain Soft Point, Core-Lokt Express, Lot #831C. Standard velocity - 100 yards. Average Extreme Spread - 1.44". Results are as follows:

<u>Gun No.</u>	<u>Average Extreme Spread</u>
25297	2.85"
24728	3.78"
25418	5.3"
23998	5.2"
25347	2.94"
25361	3.8"
25412	3.1"
25397	3.4"

Gun #25397 will be used as the "Endurance Gun".

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WHE:MP