

February 12, 1957

The following is the ammunition fired and the types of malfunctions occurring with each on the M/550:

	<u>Firing</u>	<u>Extraction</u>	<u>Blow Back</u>	<u>Ejection</u>	<u>Feed From Mag.</u>	<u>Stem Chamber</u>	<u>Locking Up</u>	<u>Total</u>
Rem. S. HS			1	7				8
Peters S. HV				3		2		5
Win. S. SS								0
West. S. SX								0
Rem. S. NAI			18					18
Rem. L. HS								0
Peters L. HV			4				10	14
Fed. L. HV			3					3
Win. L. SS		14	51				19	84
West. L. SX		1	13				18	32
Rem. LR HS			2	9			43	54
Rem. LR Std.		1	3	2			1	7
Win. LR SS	2			18			10	30
Peters LR HV				2				2
Fed. LR HV				2				2
Win. LR Std.				1			2	3
West. LR Std.				2			3	5
West. LR SX					25			25
Total	2	16	95	46	25	2	106	292

The following are the measurements taken on the M/552, and it should be pointed out that a progressive means of taking head space (adjustable gage) is not practical in this gun to date.

	<u>Rounds</u>					
	<u>0</u>	<u>2,000</u>	<u>10,000</u>	<u>15,000</u>	<u>20,000</u>	<u>25,000</u>
Trigger pull	5#	5.5#	4#	4#12oz.	4#8oz.	4#4oz.
Firing Pin Indent	.017"	.015"	.011"	.010"	.013"	.013"
Bolt Opening (Cocked)	6#	6#	9#	8#8oz.	8#8oz.	8#4oz.
" (Uncocked)	12#8oz.	12#	13#	12#	11#8oz.	11#8oz.
Safety Sear Test	OK	OK	OK	OK	OK	OK
Jar Off Test	OK	OK	OK	OK	OK	OK
Hammer Spring Length	1.8"	1.8"	1.8"	1.8"	1.8"	1.8"
Carrier "	.85"	.85"	.8"	.8"	.8"	.8"
Sear "	.7"	.7"	.7"	.7"	.7"	.7"
Action "	9. "	8.85"	8.7"	8.7"	8.55"	8.5"
Extractor"	.25"	.25"	.25"	.20"	Broke	