

February 4, 1937

Unloading live ammunition by running a string of shorts, longs and long rifles through each gun, the following results were obtained:

MODEL 552

<u>Gun No.</u>	<u>Shorts</u>	<u>Longs</u>	<u>Long Rifle</u>
1	OK	OK	OK
2	"	"	"
3	"	"	"
4	5 Failures to eject	"	"
5	OK	"	"
6	"	"	"
7	"	"	"
8	"	"	"
9	Fails to eject	"	"
10	Fails to extract	Fails to extract	Fails to extract

MODEL 550

1	Fails to extract	Fails to extract	Fails to extract
2	" " "	" " "	OK
3	" " "	" " "	OK
4	" " "	" " "	Fails to extract
5	OK	" " "	"
6	Fails to extract	OK	OK
7	Fails to eject	"	"
8	Fails to extract	Fails to extract	"
9	OK	OK	OK
10	"	Fails to extract	"

These extraction failures could be serious inasmuch as a shooter might consider the gun empty.

In addition to the above testing the remaining eighteen rifles were fired 50 rds. each of Rem. standard velocity shorts. The results are as follows:

<u>Model 552</u>				<u>Model 550</u>			
<u>Gun No.</u>	<u>Blow</u>	<u>Stem</u>	<u>Rate</u>	<u>Gun No.</u>	<u>Blow</u>	<u>Ejection</u>	<u>Rate</u>
2	4	1	10%	1		1	2%
3	3		6%	3		4	8%
4	2		4%	4	3	2	10%
5			4%	5			0%
6	6		12%	6	2	1	6%
7	4	2	12%	7			0%
8	4	1	10%	8		1	2%
9	1	1	5%	9			2%
10	2		4%	10		2	6%
Overall rate 6.3%				Overall rate 3.6%			