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Iliou, New York
January 3, 1958

W. A. BEST

MODEL 725 - 30-06 PILOT LINE TEST

Ten of the subject rifles were withdrawn from warehouse on 12/20/57 and subjected to test on this date.

Conclusions

Function-wise these rifles are satisfactory. Loading by dropping the shell through the bottom of the magazine well can cause stem chambers, but this condition is not of a magnitude to be alarming. The worst performing gun had a malfunction rate of 1.8% for 320 rds. of shooting, while five rifles went clear. All rifles unload live rounds satisfactorily.

The accuracy is very good. The overall average group size for three 5-shot groups in each rifle is 1.64". The worst rifle averaged 2.18" while one of the rifles shot a .3" group.

Endurance-wise, the floor plate latch spring fell out at 220 rds.. Also, the front sight blade is loose on seven rifles.

Procedure

All ten rifles were fired for accuracy three 5-shot groups each at 100 yds. using a 6-power scope.

All rifles were then fired 120 rds. in the jacks, 140 rds. in the field, and the remainder in the jacks. There were thirteen types of ammunition used, which included Remington, Peters, Winchester and Western. All guns went through a live round unloading test of 5 rds. of each type.

Results

<u>Gun No.</u>	<u>No. of Malif.</u>	<u>Rate</u>	<u>Type</u>
700096	None		
700070	None		
700065	2	.6%	2 stem chambers

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Results Continued

<u>Gun No.</u>	<u>No. of Half.</u>	<u>Rate</u>	<u>Type</u>
700089	2	.6%	2 Stem chambers
(The floor plate on this rifle fell out at 220 rds.)			
700085	None		
700227	6	1.8%	6 Stem chambers
700061	None		
700134	None		
700086	1	.3%	1 Stem chamber
700100	3	.9%	3 Stem chambers

Accuracy Test

700061	---	1.85"	700096	---	1.5 "
		1.25"			2.5"
		1.7 "			1.8"
Avg.		<u>1.6"</u>	Avg.		<u>1.8"</u>
700085	---	2.7"	700086	---	1.6"
		1.2"			1.4"
		1.7"			1.1"
Avg.		<u>1.9"</u>	Avg.		<u>1.3"</u>
700100	---	1.7"	700134	---	3.45"
		1.2"			1.3"
		1.45"			1.8"
Avg.		<u>1.45"</u>	Avg.		<u>2.18"</u>
700227	---	1.8"	700089	---	1.2"
		2.3"			1.5"
		2.3"			1.4"
Avg.		<u>2.1"</u>	Avg.		<u>1.3"</u>
700065	---	1.6"	700070	---	.3"
		1.2"			1.4"
		1.9"			2. "
Avg.		<u>1.6"</u>	Avg.		<u>1.2"</u>

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Ammunition ScheduleRds.Malfunctions with Each

Rem.	110 gr.	20
"	150 gr.	20
"	180 gr.	20
"	220 gr.	20

4 Stem chambers

Peters	180 gr.	40
"	220 gr.	20

3 Stem chambers

West.	150 gr.	40
"	180 gr.	20
"	220 gr.	20

1 Stem chamber

Win.	110 gr.	20
"	150 gr.	40
"	180 gr.	20
"	220 gr.	20

4 Stem chambers
2 Stem chambers

CJT:T

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