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Ilion, New York
April 30, 1958

W. A. BEST

MODEL 725 - 280 Cal. - PRE-PILOT TESTING

At your request ten of the above rifles have been field tested and also accuracy tested.

Procedure

Two hundred rounds were fired in each rifle using the three types of ammunition, and four shooters. All shooting was conducted in the field.

Each rifle was then fired three 5-shot groups on the 100 yd. range using a 20-power scope mounted on the barrel and receiver. Two shooters completed this test, using the 165 gr. bullet.

Conclusion

No malfunctions occurred in the field test. However, the floor plates failed to latch on three guns; another rifle was a little hard on locking. Also, one rifle had the rear sight broken and the safety on this gun would not index properly.

All rifles unloaded live ammunition satisfactorily.

Accuracy-wise all guns averaged within the gallery specs. The overall picture on the groups may seem to be toward the max. side; however, this may be due to the ammunition, and at this time we do not have a .280 cal. bull gun with which to standardize. One rifle had a trigger pull of 7-3/4 lbs., which in turn resulted in a poor group. There was no significant change in point of impact.

The ammunition schedule used in field test was 70 rds. of 125 gr. bullet, 70 rds. of 150 gr., and 60 rds. of 165 gr. bullet.

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Accuracy Results

Gun No.		Group Size	Point of Impact		
1	1)	2.45"	.1"	left	0
702849	2)	3.05"	.8"	"	.15" high
	3)	1.82"	.2"	"	.5" low
	Avg.	2.44"			
2	1)	3.30"	.5"	right	2.2" high
702735	2)	2.40"	0		2.9" "
	3)	2.70"	.5"	right	2.4" "
	Avg.	2.80"			
3	1)	3.3"	.3"	left	2.3" low
702864	2)	2.3"	.5"	right	3.1" "
	3)	3.3"	.1"	"	2.05" "
	Avg.	2.96"			
4	1)	3.38"	4.5"	left	1.75" high
702658	2)	3.00"	3.2"	"	2.3" "
	3)	3.40"	3.75"	"	2.6" "
	Avg.	3.26"			
5	1)	2.80"	2.1"	right	6.75" high
702702	2)	3.65"	2.0"	"	7.20" "
	3)	1.16"	2.05"	"	6.30" "
	Avg.	2.51"			
6	1)	2.35"	2.35"	left	2.20" high
702805	2)	3.20"	3.10"	"	.90" "
	3)	2.10"	2.00"	"	.3" "
	Avg.	2.55"			
7	1)	2.05"	.6"	right	5.2" high
702732	2)	3.20"	.6"	"	5.2" "
	3)	2.4"	.15"	"	4.85" "
	Avg.	2.55"			
8	1)	1.70"	1.8"	left	4.15" high
702811	2)	2.75"	2.1"	"	4.4" "
	3)	2.60"	1.85"	right	3.7" "
	Avg.	2.35"			

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<u>Gun No.</u>		<u>Group Size</u>	<u>Point of Impact</u>			
9	1)	3.20"	.3"	right	.45"	high
702793	2)	1.90"	1.8"	"	1.15"	"
	3)	5.05"	1.5"	"	2.10"	"
	Avg.	3.38"				
10	1)	2.30"	2.00"	right	3.35"	high
702672	2)	1.50"	2.25"	"	2.80"	"
	3)	3.25"	2.75"	"	3.40"	"
	Avg.	2.35"				

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