

operations committee

REMINGTON ARMS COMPANY, INC.
Firearms Research Division
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Xc: C.B. Workman
J.W. Brooks
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TO: J. R. SNEDEKER
FROM: J. H. HENNINGS *JH*
SUBJECT: REM. M700 CLASSIC - 7x57 Mauser Caliber
DESIGN TEST

INTRODUCTION

Received from Design three (3) Rem. M700 Classic rifles in 7mm Mauser Caliber for design test evaluation.

OBJECTIVE

To determine if the 7mm Mauser caliber is suitable for introduction into the Model 700 line.

TEST CONCLUSIONS

Accuracy and function tests conducted on the three (3) rifles tested indicate that introduction of the 7mm Mauser caliber into the M700 line is feasible.

No functional problems were encountered during a forty (40) round varied feed speed test conducted on all rifles.

Accuracy tests (100 yd.) indicate an average group size of 1.31" for three (3) five (5) shot groups fired thru each rifle. See data sheet attached for individual groups.

TEST PROCEDURE

- A. Preliminary measurements were taken on all rifles prior to test:
- Headspace
 - Trigger Pull
 - Safety Check
- B. 100 yd. accuracy tests conducted via bench rest using Lyman 10X scope.
- Ammo. Used: Rem. 175 gr. 7mm Mauser Caliber
- 3 x 5 shot groups per rifle - cool after each group.
- Bores cleaned prior to accuracy.

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3-5-81
-2-

C. A forty (40) round varied feed function test was conducted in Test Lab shooting jacks.

10 rounds each of the following speeds:

Slow
Medium
Fast
Alternating

FUTURE WORK

Additional testing will have to be conducted on a larger (8 or 10 rifles) selection of rifles before final acceptance can be issued.

JHH:T
Research Test Lab
Attach.

Rem. M-700 Classic 7mm Mauser CAL.

Design Test - Accuracy Results.

3-5-81

J. Shoup

	1	2	3	4	5	6
Rifle *						
	26242155	B6230444	B6227689			FORWARDS
Measurements:						
Group #1						
Size	1.17"	1.09"	1.77"			
Hor.	1.15"	1.05"	1.33"			
Vert.	.86"	.85"	1.05"			
Group #2						
Size	2.03"	.99"	1.39"			
Hor.	1.29"	.99"	1.34"			
Vert.	1.83"	.48"	.48"			
Group #3						
Size	1.13"	.91"	1.30"			
Hor.	.93"	.59"	1.04"			
Vert.	1.03"	.82"	.83"			
Average Group						
Size →	1.44"	.997"	1.49"			
Ammunition						
Used:	Rem. 175gr P.S.P.	7mm	Mauser CAL.			