

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

Ilion, New York
November 8, 1976

TO: A. A. HUGICK
FROM: C. J. MILLER
SUBJECT: MODEL 700 ACCURACY TEST

DATE: JANUARY 8, 1975

INTRODUCTION:

The purpose of this Model 700 Accuracy Test was to ascertain the affect of the misshaped land ends, at the muzzle.

PROCEDURE:

Five Model 700 30-06 rifles were obtained from the warehouse, then cleaned and scope mounts put on. Each gun was shot using 24X Remington scope, on the R&D 100 yard range. The ammunition used was Remington's 30-06 Sprg. 180 Gr. Soft Point Core Lokt, code LB03PD.

Five, five shot groups were recorded for each gun. The five guns were then disassembled, 1/8 inch cut off the muzzle, recrowned, reassembled, and cleaned. Again five, five shot groups were recorded for each gun using the same scope and the same ammunition.

		<u>GROUP SIZE</u>		<u>HORIZONTAL</u>		<u>VERTICAL</u>	
		<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
Gun 1	Avg.	2.19	2.08	1.93	1.69	1.34	1.68
Gun 2	Avg.	2.24	1.97	1.57	1.63	1.76	1.53
Gun 3	Avg.	2.50	1.99	1.68	1.30	2.24	1.58
Gun 4	Avg.	1.93	2.22	1.37	1.56	1.63	1.53
Gun 5	Avg.	1.78	1.65	1.62	1.16	1.50	1.36
Avg. 1 - 5		2.128	1.982	1.634	1.468	1.694	1.536

To: A. A. Hugick
From: C. J. Miller
M/700 Accuracy Test

November 8, 1976
Page 2

BEFORE

		<u>GROUP</u>	<u>HORIZONTAL</u>	<u>VERTICAL</u>
GUN #1	1	2.40	2.40	1.05
C.J.M.	2	2.30	1.40	2.25
	3	1.50	1.20	1.05
	4	2.30	2.30	0.90
	<u>5</u>	<u>2.45</u>	<u>2.35</u>	<u>1.45</u>
	Avg.	2.19	1.93	1.34
 GUN #2	1	2.55	1.30	2.50
J. H.	2	2.35	0.65	3.35
	3	2.04	1.70	1.35
	4	2.25	2.20	0.95
	<u>5</u>	<u>2.00</u>	<u>2.00</u>	<u>0.65</u>
	Avg.	2.24	1.57	1.76
 GUN #3	1	2.40	1.45	2.20
C.J.M.	2	1.90	1.40	1.90
	3	3.25	2.30	2.40
	4	3.20	2.90	2.95
	<u>5</u>	<u>1.75</u>	<u>0.35</u>	<u>1.75</u>
	Avg.	2.50	1.68	2.24
 GUN #4	1	1.70	1.25	1.70
C.J.M.	2	1.55	0.90	1.50
	3	2.40	1.55	2.40
	4	1.05	0.80	0.95
	<u>5</u>	<u>2.95</u>	<u>2.35</u>	<u>1.80</u>
	Avg.	1.93	1.37	1.63
 GUN #5	1	1.60	1.45	1.20
C.J.M.	2	1.45	1.80	1.65
	3	2.20	2.20	1.10
	4	1.95	1.30	1.90
	<u>5</u>	<u>1.70</u>	<u>1.35</u>	<u>1.65</u>
	Avg.	1.78	1.62	1.50

To: A. A. Hugick
From: C. J. Miller
M/700 Accuracy Test

November 8, 1976
Page 3

AFTER

		<u>GROUP</u>	<u>HORIZONTAL</u>	<u>VERTICAL</u>
GUN #1	1	2.10	2.00	1.40
C.J.M.	2	2.30	1.20	2.00
	3	2.20	2.15	1.55
	4	1.90	1.25	1.80
	<u>5</u>	<u>1.90</u>	<u>1.85</u>	<u>1.65</u>
	Avg.	2.08	1.69	1.68
 GUN #2	1	1.85	1.70	0.90
J. H.	2	1.95	1.85	1.60
	3	1.50	1.10	1.45
	4	2.30	1.30	2.00
	<u>5</u>	<u>2.25</u>	<u>2.20</u>	<u>1.70</u>
	Avg.	1.97	1.63	1.53
 GUN #3	1	1.55	1.40	1.10
C.J.M.	2	2.20	2.05	1.00
	3	1.30	1.10	1.10
	4	2.40	0.65	2.40
	<u>5</u>	<u>2.50</u>	<u>1.30</u>	<u>2.30</u>
	Avg.	1.99	1.30	1.58
 GUN #4	1	2.50	2.15	1.00
C.J.M.	2	2.85	1.00	2.75
	3	2.55	2.15	1.75
	4	1.40	0.90	1.30
	<u>5</u>	<u>1.80</u>	<u>1.60</u>	<u>0.85</u>
	Avg.	2.22	1.56	1.53
 GUN #5	1	2.25	1.00	1.90
C.J.M.	2	1.05	1.00	0.80
	3	1.40	1.25	1.00
	4	2.30	1.60	1.90
	<u>5</u>	<u>1.25</u>	<u>0.95</u>	<u>1.20</u>
	Avg.	1.65	1.16	1.36

CJM:bd
Illion Research Division
Measurement/Test Lab