

C6225177

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.

Remington

*Smith
Seward
&
Co.*

Remington[®]

Model 700™ H24

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

REG. U.S. PAT. & T.M. OFF.

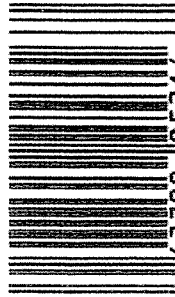
SERIAL NO.
C6225177

ORDER NO.
5716




5716 C6225177

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225177

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	9 12	8 8	RW
600	Proof	9 19	8 8	RW
607	Check Headspace	9 19	8 8	RW
610	Dis-assemble Gun	9 19	8 8	RW
612	Magnaflux Barrel Action		9-22-88	RW
	Magnaflux Bolt		9-22-88	RW
615	Rollmark Caliber		10-7-88	G.S.
617	Drill and Tap Sight Holes		10-23	F-8
618	Polish Barrel		10-24	WST
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coating (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/89	RW
	C) Inspect Ejector Hole for Chamfer		11/12/89	RW
	D) Oil Firing Pin Ass'y		11/12/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/12/89	RW

BARBER - M24 0010016							
op. #	OP. NAME	READINGS			DATE	INITIAL	
625 cont.	F) Safety On Force	5	5	5	11 Jan 89	JS	
	G) Safety Off Force	3	3	3	11 Jan 89	JS	
	H) Trigger Pull Test & Retainability				11 Jan 89	JS	
	I) Firing Pin Indent	.0215	.0215	.0215	11 Jan 89	JS	
	J) Assemble Stock				1/12/89	RW	
	K) Assemble Swivel Studs				31 Jan 89	JS	
	L) Attach Front and Rear Sight Assemblies				1/12/89	RW	
	M) Iron Sight Alignment				1/12/89	RW	
	N) Detach Front & Rear Sights & place in numbered container				1/12/89	RW	
	O) Attach Scope to Rifle				15 Jan 89	JS	
	P) Detach & Attach Scope 20 Times				13 Jan 89	JS	
640	Gallery Target & Test	63 R	91 L		1/25/89	DH	
	A) Time				1/25/89	DH	
	B) Malfunctions				1/25/89	DH	
	C) Pierced Primers				1/25/89	DH	
	D) Optical Clarity of Scope				1/25/89	DH	
645	Inspect for Live Ammo				1/25/89	DH	
655	Final Inspection						
	A) Headspace				31 Jan 89	JS	
	B) Trigger Pull	2.57	2.69	2.49	2.51	2.51	31 Jan 89
	C) Function					31 Jan 89	JS
660	Pack					23 Jan 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 6225177

DATE 4-3-90

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.37		2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.30		2.28	
PULL #3	2.37	2.37		2.28	
PULL #4	2.37	2.36		2.31	
PULL #5	2.40	2.41		2.25	
TOTAL	11.95	11.81		11.45	
AVG.	2.39	2.362		2.29	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.28		
PULL #2	3.35	3.26		
PULL #3	3.28	3.30		
PULL #4	3.30	3.35		
PULL #5	3.30	3.51		
TOTAL	16.60	16.70		
AVG.	3.322	3.34		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.60	4.31		
PULL #2	4.33	4.33		
PULL #3	4.27	4.40		
PULL #4	4.31	4.51		
PULL #5	4.28	4.31		
TOTAL	21.79	21.86		
AVG.	4.358	4.372		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225177
26 Jan 1989

CENTROIDAL DISTANCES

0 TO	1	.232106
1 TO	2	.134134
1 TO	3	.503627
1 TO	4	.173833
1 TO	5	.276147

5
4
3 <----POA

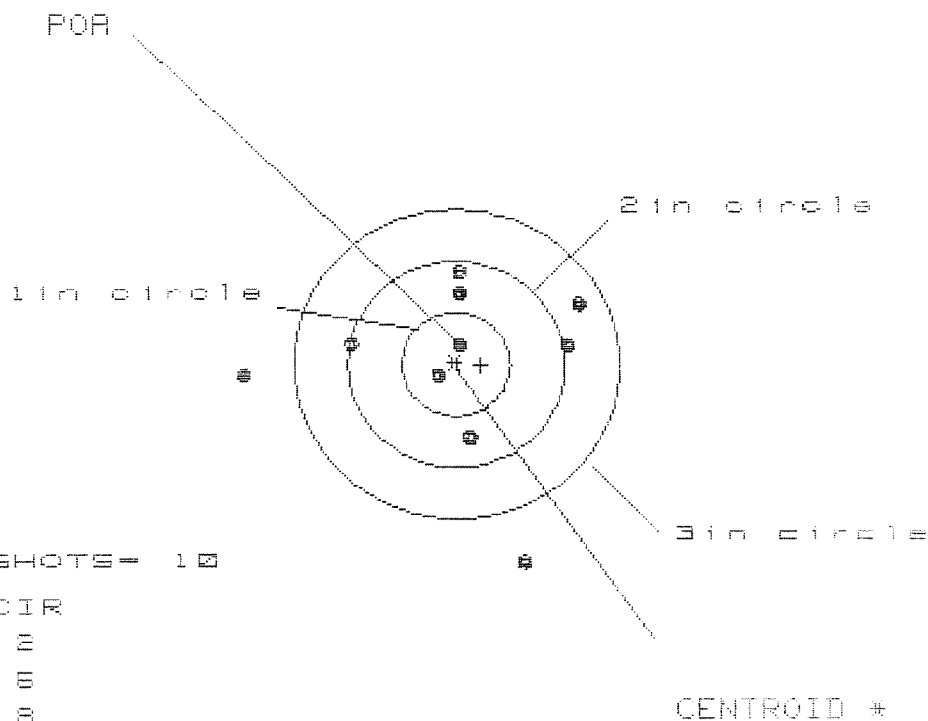
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1356
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0092
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .135912

THE AMR FOR THIS RIFLE IS: 1.052

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225177

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 3.086

VS = 2.805

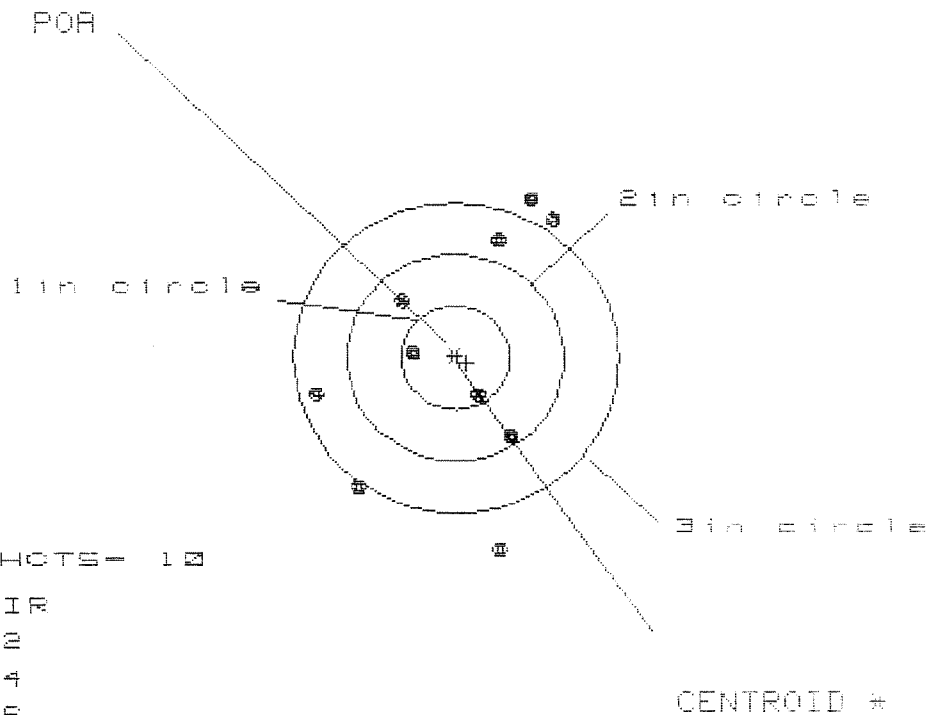
GS = 3.227

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.112	1.187	.950
MINIMUM X	-1.974	-1.899	-1.104
MAXIMUM Y	.903	.692	.658
MINIMUM Y	-1.901	-.947	-.981
CENTROID X	-.232	-.307	-.070
CENTROID Y	.007	.218	.252
POA TO CENTROID in.	.232	.377	.262
MIN RADIUS	.166	.139	.111
MEAN RADIUS	1.000	.864	.712
MAX RADIUS	2.019	1.919	1.108
HORIZONTAL SPREAD	3.086	3.086	2.854
VERTICAL SPREAD	2.805	1.639	1.639
EXTREME SPREAD	3.227	3.162	2.109
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

26 Jan 1989

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS= 2.203

VS= 3.419

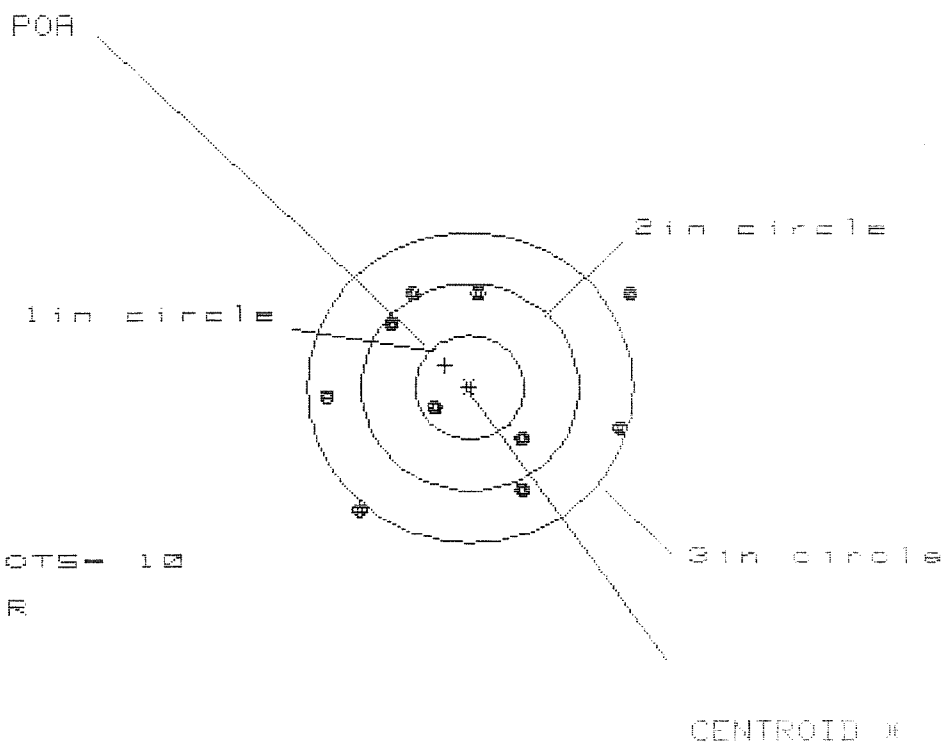
GS= 3.434

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.917
MINIMUM X	:	-1.286
MAXIMUM Y	:	1.556
MINIMUM Y	:	-1.863
CENTROID X	:	-.106
CENTROID Y	:	.053
POA TO CENTROID in.	:	.119
MIN RADIUS	:	.361
MEAN RADIUS	:	1.172
MAX RADIUS	:	1.901
HORIZONTAL SPREAD	:	2.203
VERTICAL SPREAD	:	3.419
EXTREME SPREAD	:	3.434
NUMBER IN ONE INCH CIRCLE	=	2
NUMBER IN TWO INCH CIRCLE	=	4
NUMBER IN THREE INCH CIRCLE	=	6

26 Jan 1989

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.827

VS= 2.159

GS= 3.221

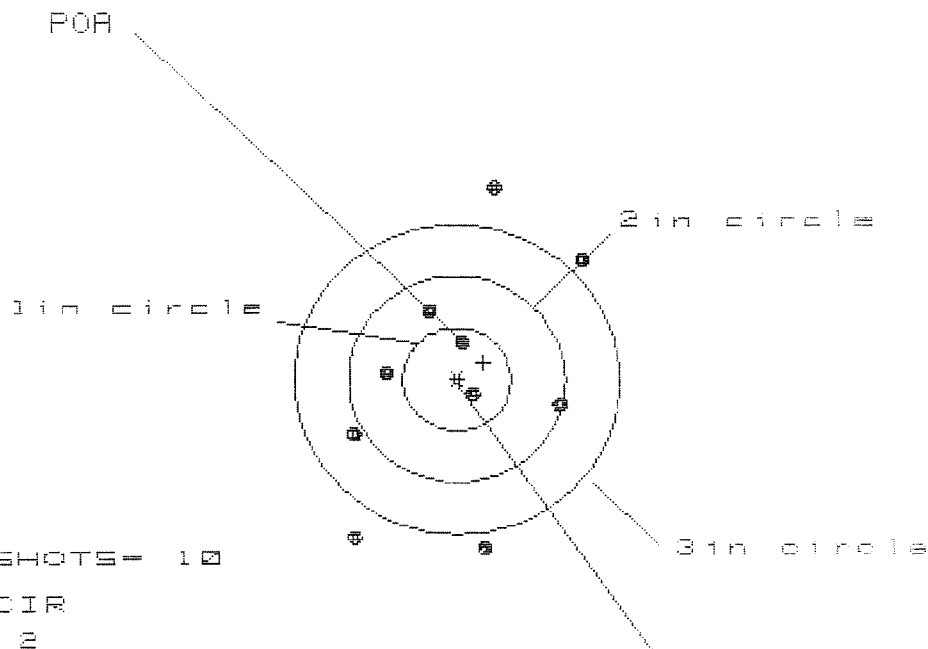
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.480
MINIMUM X	-1.347
MAXIMUM Y	.942
MINIMUM Y	-1.217
CENTROID X	.222
CENTROID Y	-.211
POA TO CENTROID in.	.306
MIN RADIUS	.335
MEAN RADIUS	1.107
MAX RADIUS	1.713
HORIZONTAL SPREAD	2.827
VERTICAL SPREAD	2.159
EXTREME SPREAD	3.221
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	8

25 Jan 1989

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CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS= 2.099

VS= 3.520

GS= 3.677

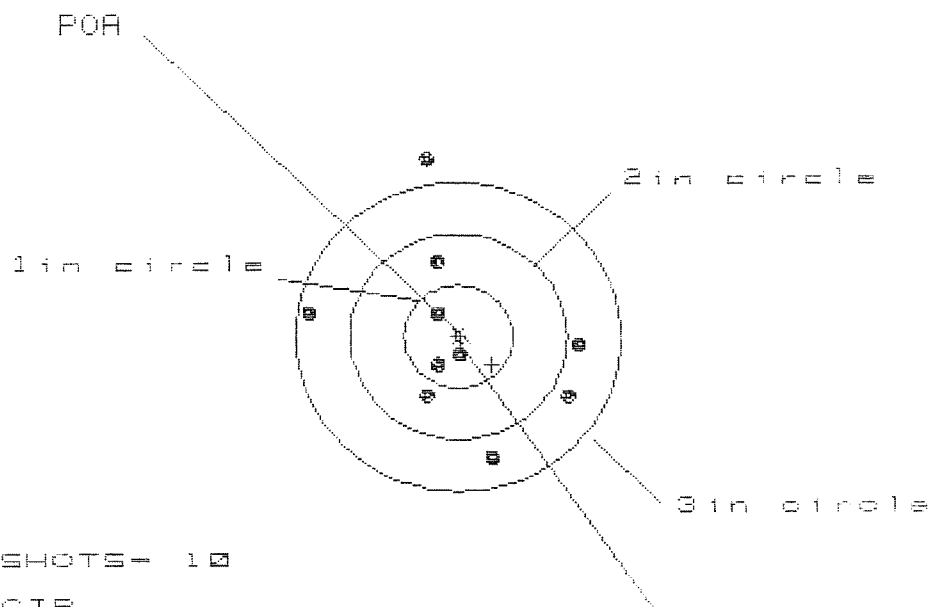
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.123	1.165	1.048
MINIMUM X	:	-.976	-.934	-1.042
MAXIMUM Y	:	1.873	1.416	1.249
MINIMUM Y	:	-1.647	-1.439	-1.606
CENTROID X	:	-.249	-.291	-.174
CENTROID Y	:	-.166	-.374	-.207
POA TO CENTROID in.	:	.299	.474	.271
MIN RADIUS	:	.152	.181	.075
MEAN RADIUS	:	1.096	1.018	.904
MAX RADIUS	:	1.912	1.834	1.631
HORIZONTAL SPREAD	:	2.099	2.099	2.090
VERTICAL SPREAD	:	3.520	2.855	2.855
EXTREME SPREAD	:	3.677	3.461	2.981
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS= 2.471

VS= 2.859

GS= 2.913

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.104
MINIMUM X	-1.367
MAXIMUM Y	1.730
MINIMUM Y	-1.129
CENTROID X	-.313
CENTROID Y	.271
POA TO CENTROID in.	.414
MIN RADIUS	.193
MEAN RADIUS	.886
MAX RADIUS	1.752
HORIZONTAL SPREAD	2.471
VERTICAL SPREAD	2.859
EXTREME SPREAD	2.915
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9