

C6348874

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smead®
No. 2-152-51

Remington
REMINGTON & CO. N.Y. N.Y.
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ M24

SERIAL NO. C6348874

ORDER NO. 5716

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

01

UPC
0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348874

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 11	89	RW
600	Proof	8 11	89	RW
607	Check Headspace	3 11	89	RW
610	Dis-assemble Gun		89	RW
612	Magnaflux Barrel Action		8/15/89	KCR
	Magnaflux Bolt		8/15/89	KCR
615	Rollmark Caliber		8/15/89	SS
7	Drill and Tap Sight Holes	8 16	89	
618	Polish Barrel RB	8 16	89	
620	Apply Coatings (Barrel Action)		8/19/89	TJH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/21/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/21/89	RW
	C) Inspect Ejector Hole for Chamfer		8/21/89	RW
	D) Oil Firing Pin Ass'y		8/21/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/24/89	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			8/24/89	WB
	G) Safety Off Force	3 1/2	3 3/4	3 1/2			8/24/89	WB
	H) Trigger Pull Test & Retainability						8/24/89	JU
	I) Firing Pin Indent	.0212	.0203	.0203			8/24/89	WB
	J) Assemble Stock						8/28/89	RW
	K) Assemble Swivel Studs						31 Aug 89	JS
	L) Attach Front and Rear Sight Assemblies						8/28/89	RW
	M) Iron Sight Alignment						8/28/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/28/89	RW
	O) Attach Scope to Rifle						8/28/89	JU
	P) Detach & Attach Scope 20 Times						8/28/89	JU
640	Gallery Target & Test	87R	64L				8-30-89	A
	A) Time						8-30-89	A
	B) Malfunctions						8-30-89	A
	C) Pierced Primers						8-30-89	A
	D) Optical Clarity of Scope						8-30-89	A
645	Inspect for Live Ammo						8-30-89	A
655	Final Inspection							
	A) Headspace						31 Aug 89	JS
	B) Trigger Pull	2.46	2.39	2.32	2.42	2.33	31 Aug 89	JS
	C) Function						31 Aug 89	JS
660	Pack						20 Sept 89	ELB

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CG348874DATE 3-27-90TESTER J.P.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.38		2.58	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.23		2.45	
PULL #3	2.28	2.49		2.47	
PULL #4	2.30	2.46		2.51	
PULL #5	2.35	2.45		2.56	
TOTAL	11.60	12.01		12.57	
AVG.	2.32	2.402		2.514	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.59	3.53		
PULL #2	3.41	3.53		
PULL #3	3.48	3.58		
PULL #4	3.56	3.28		
PULL #5	3.55	3.22		
TOTAL	17.59	17.14		
AVG.	3.518	3.428		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.31		
PULL #2	4.38	4.33		
PULL #3	4.28	4.36		
PULL #4	4.37	4.24		
PULL #5	4.35	4.30		
TOTAL	21.74	21.54		
AVG.	4.348	4.308		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348874
31 Aug 1989

CENTROIDAL DISTANCES

0 TO	1	.340577
1 TO	2	.129275
1 TO	3	.0900888
1 TO	4	.63331
1 TO	5	.644012

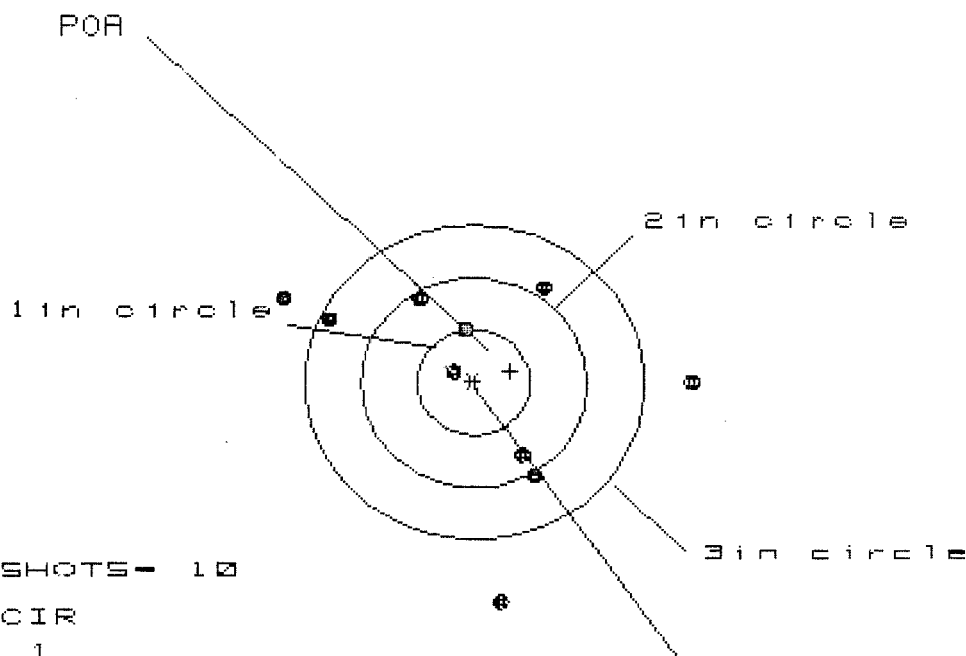
set⁵ <----POA

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0838
THE AVERAGE X COORDINATE FOR THIS RIFLE IS: .0038
THE AVERAGE AVERAGE POI RADIUS FOR THIS RIFLE IS: .0838861
THE AVERAGE THIS RIFLE IS: 1.173

30 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348874

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS = 3.519

VS = 3.061

CS = 3.605

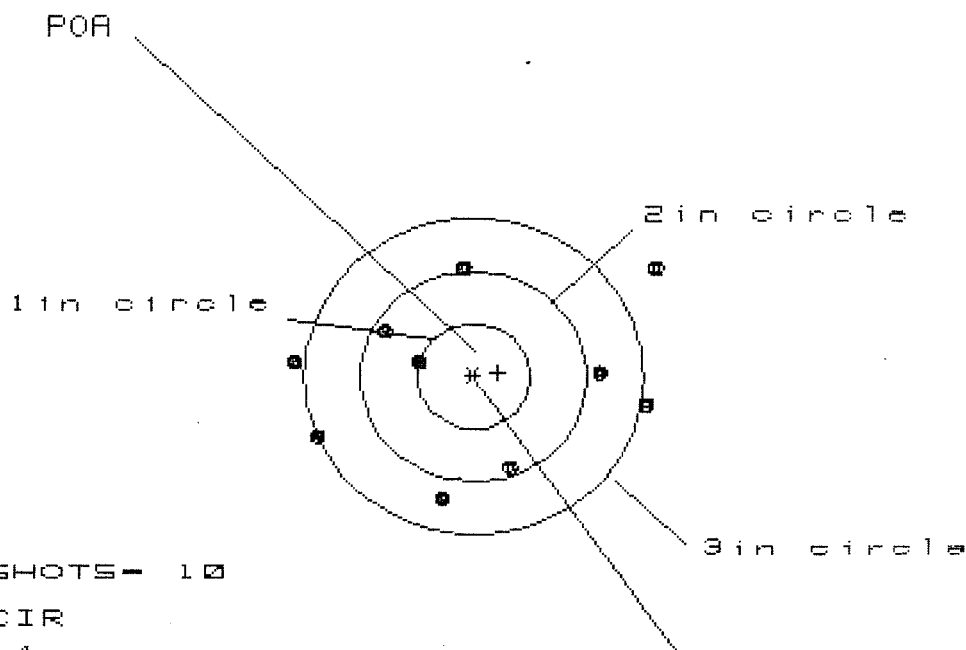
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.881	1.905	.847
MINIMUM X	-1.638	-1.614	-1.376
MAXIMUM Y	.947	.712	.680
MINIMUM Y	-2.114	-1.132	-1.163
CENTROID X	-.323	-.347	-.585
CENTROID Y	-.108	.127	.159
POR TO CENTROID in.	.341	.370	.606
MIN RADIUS	.179	.210	.215
MEAN RADIUS	1.179	1.038	.911
MAX RADIUS	2.125	1.922	1.464
HORIZONTAL SPREAD	3.519	3.519	2.223
VERTICAL SPREAD	3.061	1.844	1.844
EXTREME SPREAD	3.605	3.605	2.705
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

30 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348874

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 1

2in = 3

3in = 7

HS = 3.192

VS = 2.189

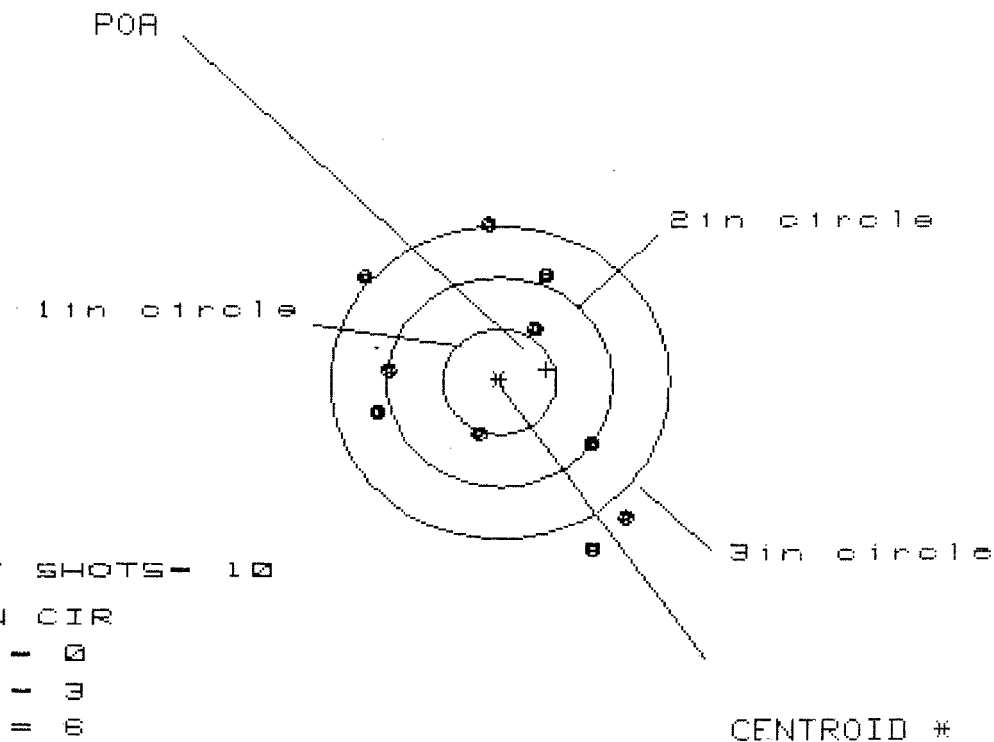
GS = 3.322

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.573	1.693	1.512
MINIMUM X	-1.619	-1.444	-1.356
MAXIMUM Y	1.038	1.146	1.175
MINIMUM Y	-1.151	-1.035	-1.006
CENTROID X	-.217	-.392	-.211
CENTROID Y	-.034	-.150	-.179
POA TO CENTROID in.	.219	.419	.277
MIN RADIUS	.458	.353	.518
MEAN RADIUS	1.208	1.106	1.066
MAX RADIUS	1.885	1.698	1.516
HORIZONTAL SPREAD	3.192	3.137	2.868
VERTICAL SPREAD	2.189	2.181	2.181
EXTREME SPREAD	3.322	3.159	2.880
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

30 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348874

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 0

2in = 3

3in = 6

HS = 2.239

VS = 3.096

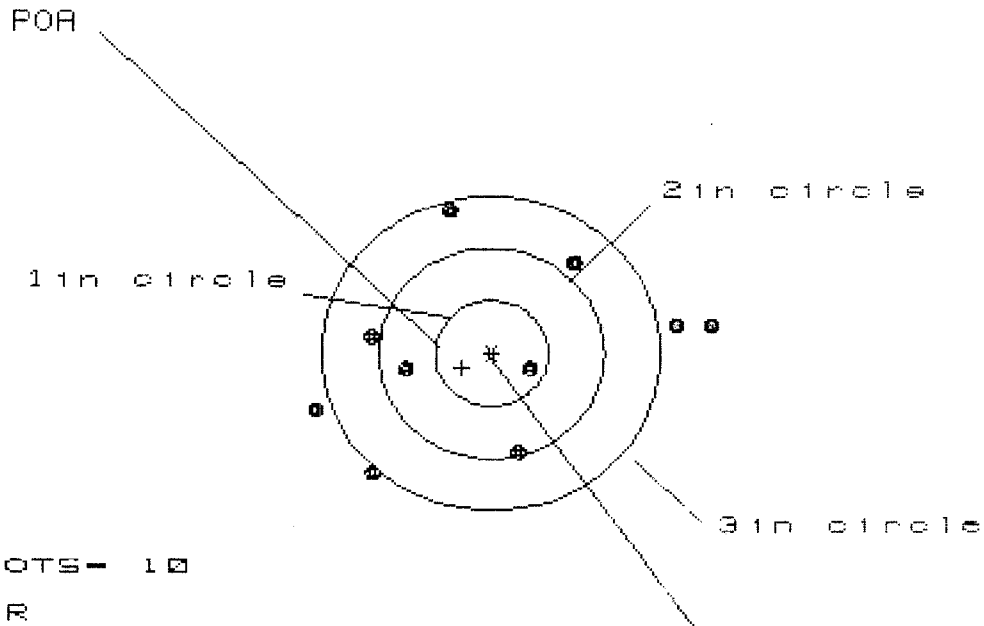
GS = 3.211

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.088	1.175	1.047
MINIMUM X	-1.151	-1.064	-.917
MAXIMUM Y	1.544	1.372	1.185
MINIMUM Y	-1.552	-1.491	-.946
CENTROID X	-.413	-.500	-.647
CENTROID Y	-.112	.060	.247
POA TO CENTROID in.	.428	.504	.693
MIN RADIUS	.563	.544	.583
MEAN RADIUS	1.185	1.105	.985
MAX RADIUS	1.740	1.899	1.411
HORIZONTAL SPREAD	2.239	2.239	1.964
VERTICAL SPREAD	3.096	2.863	2.131
EXTREME SPREAD	3.211	3.207	2.511
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

30 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348874

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 1

2in = 3

3in = 6

HS = 3.482

VS = 2.530

GS = 3.575

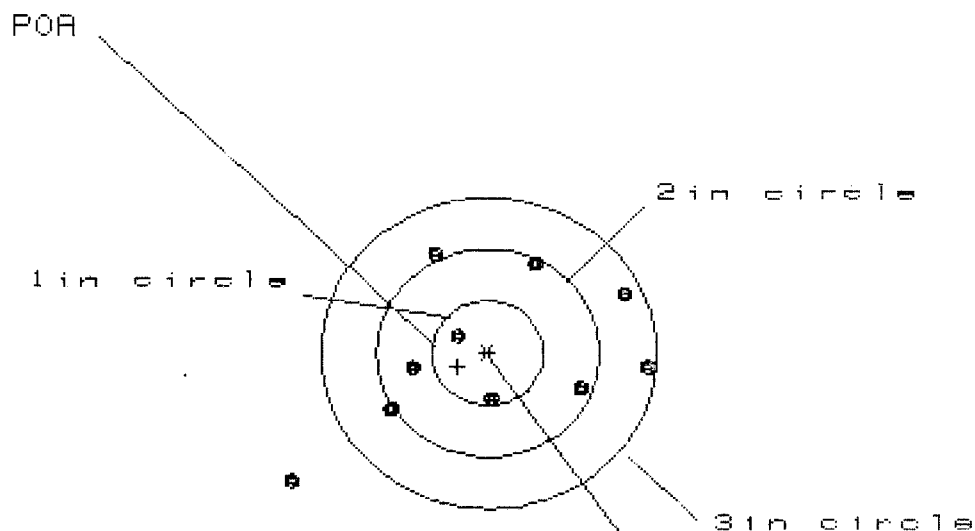
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.952	1.834	1.165
MINIMUM X	:	-1.530	-1.313	-1.084
MAXIMUM Y	:	1.405	1.431	1.465
MINIMUM Y	:	-1.125	-1.099	-1.065
CENTROID X	:	.261	.044	-.185
CENTROID Y	:	.137	.112	.078
POA TO CENTROID in.	:	.295	.120	.201
MIN RADIUS	:	.333	.541	.347
MEAN RADIUS	:	1.253	1.155	1.032
MAX RADIUS	:	1.966	1.854	1.477
HORIZONTAL SPREAD	:	3.482	3.147	2.249
VERTICAL SPREAD	:	2.530	2.530	2.530
EXTREME SPREAD	:	3.575	3.252	2.685
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

30 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B874

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS = 3.232

VS = 2.205

QS = 3.536

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.459
MINIMUM X	-1.773
MAXIMUM Y	.968
MINIMUM Y	-1.237
CENTROID X	.273
CENTROID Y	.136
POA TO CENTROID in.	.305
MIN RADIUS	.324
MEAN RADIUS	1.038
MAX RADIUS	2.162
HORIZONTAL SPREAD	3.232
VERTICAL SPREAD	2.205
EXTREME SPREAD	3.536
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9