

06649105

MODEL 700™ M24

Model **SMS**™

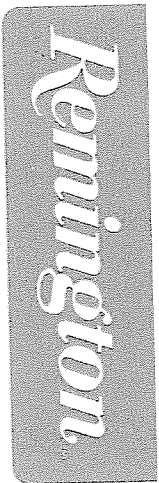
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0064869

UPC



Remington REG U.S. PAT & TM OFF		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		
SERIAL NO. C6649105		ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		



CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 006486964908

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649105

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/2/91	KL
600	Proof		8/2/91	KL
607	Check Headspace		8/2/91	KL
610	Dis-assemble Gun		8/2/91	KL
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	GB
617	Drill and Tap Sight Holes		AUG 7 1991	KB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8-27-91	JA
	Apply Coating (Bolt)		8-27-91	JA
625	Final Assembly A) Clean inside of Bolt Assembly		9/4/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/4/91	KL
	C) Inspect Ejector Hole for Chamfer		9/4/91	KL
	D) Oil Firing Pin Ass'y		9/4/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		9/10/91	KL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			9/10/91	SH
	G) Safety Off Force	3	3	3			9/10/91	SH
	H) Trigger Pull Test & Retainability						9/10/91	SH
	I) Firing Pin Indent	10205	10215	10215			9/10/91	SH
	J) Assemble Stock						9/12/91	KL
	K) Assemble Swivel Studs						9-12-91	DH
	L) Attach Front and Rear Sight Assemblies						9/12/91	KL
	M) Iron Sight Alignment						9/12/91	KL
	N) Detach Front & Rear Sights & place in numbered container						9/12/91	KL
	O) Attach Scope to Rifle						9/12/91	KL
	P) Detach & Attach Scope 20 Times						9/12/91	KL
640	Gallery Target & Test						9-13-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						9-13-91	NF
655	Final Inspection						9-14-91	DH
	A) Headspace						9-14-91	DH
	B) Trigger Pull	251	249	253	230	220	9-14-91	DH
	C) Function						9-14-91	DH
660	Pack						9-14-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C-6649105DATE 9-10-91TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.38	2.43	2.51	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.41	2.48	2.49	
PULL #3	2.26	2.38	2.36	2.53	
PULL #4	2.48	2.34	2.25	2.30	
PULL #5	2.47	2.41	2.40	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.38		
PULL #2	3.68	3.26		
PULL #3	3.32	3.24		
PULL #4	3.24	3.34		
PULL #5	3.24	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.31		4.39
PULL #2	4.42	4.46		4.45
PULL #3	4.37	4.28		4.45
PULL #4	4.36	4.32		4.58
PULL #5	4.34	4.39		4.39
TOTAL				
AVG.				

CELESTIAL DISTANCE CALCULATIONS
FOR RIFLE # C6649105
12 Sep 1991

CENTROIDAL DISTANCES

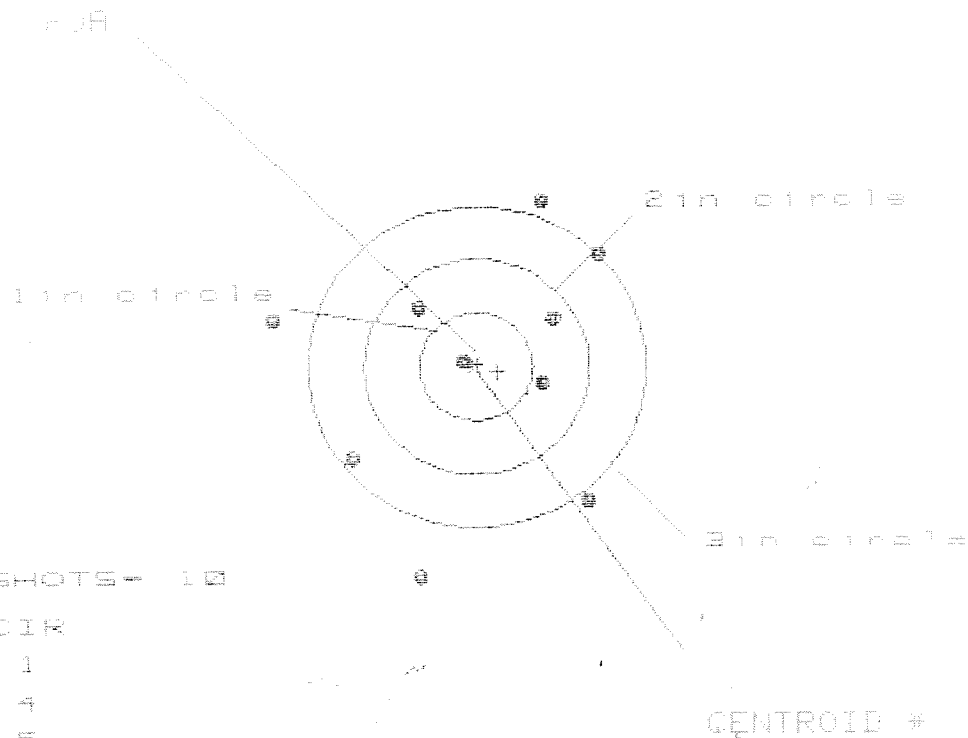
0 TO	1	.195309
1 TO	2	.245579
1 TO	3	.316982
1 TO	4	.369777
1 TO	5	.377294

25 <----POA

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.02036
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1168
THE AVERAGE POI-RADIUS FOR THIS RIFLE IS: .118561
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .8432

FILE:/PATTERNING/CENTERFIRE_PATT/08649185

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 5

MS= 2.884

VS= 3.503

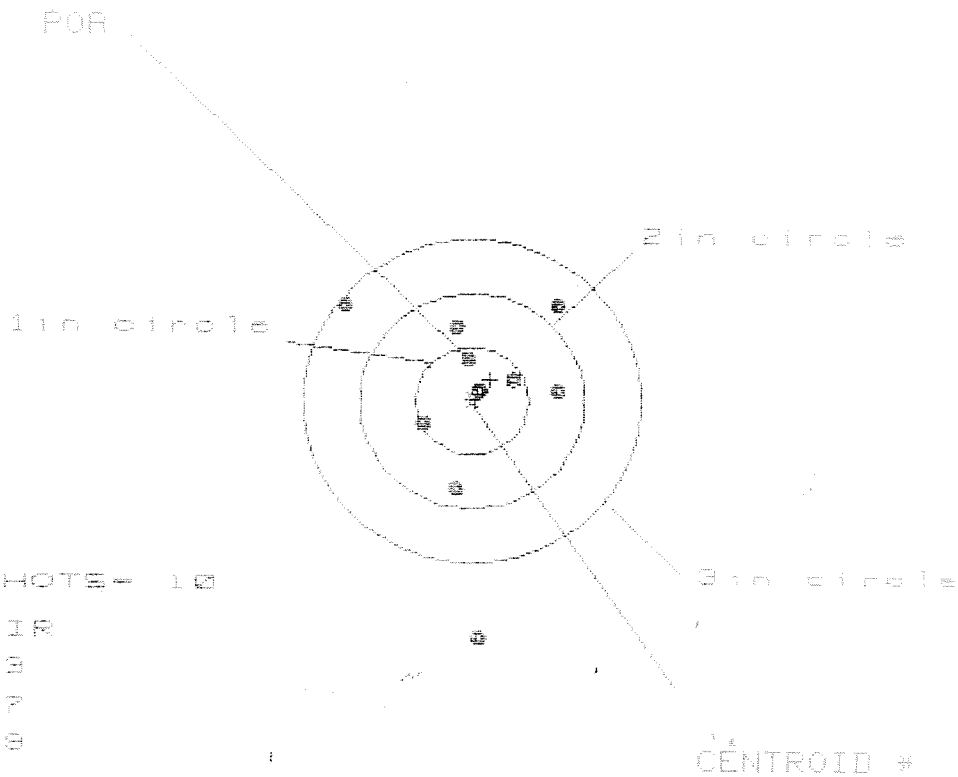
GS= 3.658

PATTERN #

SHOTS	BEST QF	10	9	8
MAXIMUM		1.110	1.057	.827
MINIMUM		-1.784	-1.837	-1.361
MAXIMUM		1.587	1.374	1.403
MINIMUM		-1.916	-1.427	-1.398
CENTROID		-.188	-.135	.095
CENTROID		.050	.263	.234
FOA TO CENTROID		.195	.295	.253
FOA ANGLE		.164	.257	.403
HEAD TAPER		1.242	1.144	1.039
HEAD TAPER		1.975	1.851	1.697
TAIL TAPER		2.894	2.894	2.188
TAIL TAPER		3.503	2.801	2.801
TAIL TAPER		3.658	3.264	2.936
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

FILE://PATTERNING/CENTERFIRE_PATT/08649185

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 3

2in = 7

3in = 8

HS = 1.964

VS = 3.079

GS = 3.306

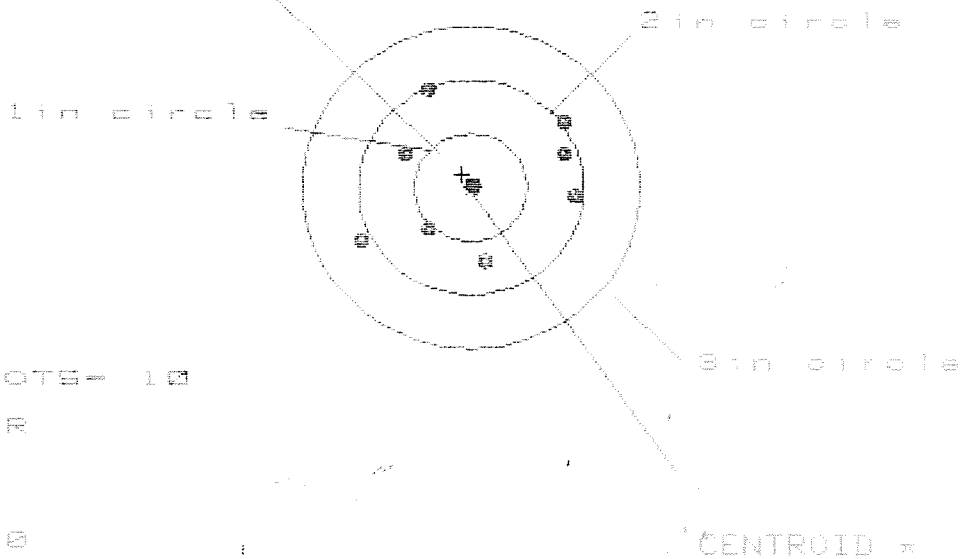
PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM	.810	.816	.672
MINIMUM	-1.154	-1.148	-.620
MAXIMUM	.884	.641	.692
MINIMUM	-2.194	-1.041	-.961
CENTROID X	-.161	-.167	-.023
CENTROID Y	-.194	.049	-.031
POR TO CENTROID in.	.253	.174	.039
MIN RADIUS	.110	.143	.122
MEAN RADIUS	.847	.654	.559
MAX RADIUS	2.195	1.315	.993
HORIZONTAL SPREAD	1.964	1.964	1.292
VERTICAL SPREAD	3.079	1.682	1.653
EXTREME SPREAD	3.306	2.111	1.847
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	9	

10 Sep 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C8649185

CENTERFIRE PATTERNS # 3

POB



OF SHOTS= 10

IN CIR

1in = 1

2in = 8

3in = 10

HS= 1.856

VS= 1.597

GS= 2.133

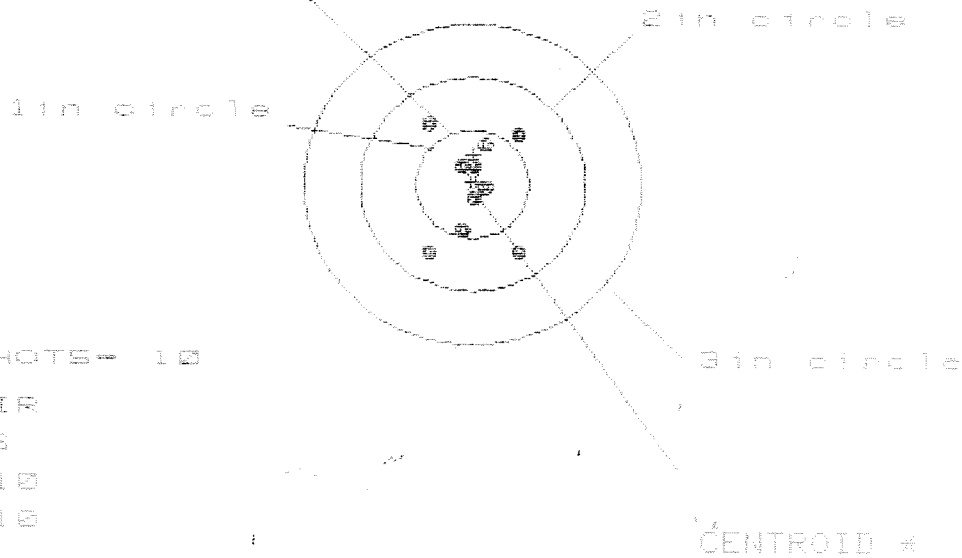
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.984	.798	.892
MINIMUM X	-.952	-.640	-.545
MAXIMUM Y	.876	.817	.883
MINIMUM Y	-.721	-.780	-.714
CENTROID X	.080	.186	.092
CENTROID Y	-.118	-.059	-.126
POB TO CENTROID (in)	.143	.195	.155
1IN RADIUS	.834	.134	.047
MEAN RADIUS	.743	.716	.664
MAX RADIUS	1.090	.976	.987
HORIZONTAL SPREAD	1.856	1.438	1.438
VERTICAL SPREAD	1.597	1.597	1.597
EXTREME SPREAD	2.133	1.700	1.700
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

2 Sep 1981

FILE:/PATTERNING/CENTERFIRE_PATT/06849185

CENTERFIRE PATTERNS # 4

FOR



OF SHOTS- 10

IN CIR

1in = 6

2in = 10

3in = 10

HS= .728

VS= 1.145

GS= 1.330

PATTERN #

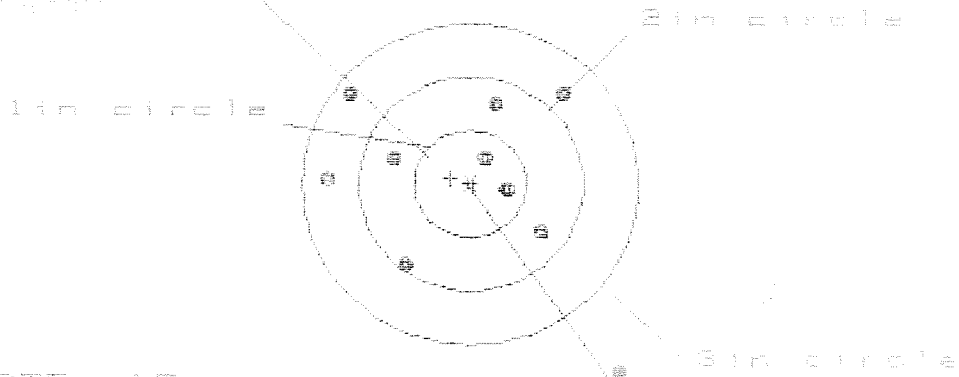
SHOTS - BEST OF	10	9	8
MAXIMUM	.383	.345	.386
MINIMUM	-.345	-.383	-.342
MAXIMUM	.523	.454	.371
MINIMUM	-.622	-.667	-.550
CENTROID	-.007	.081	-.010
CENTROID	-.272	-.203	-.128
POP TO CENTROID	.273	.206	.121
MIN RADIUS	.073	.101	.068
MEAN RADIUS	.401	.361	.300
MAX RADIUS	.710	.745	.565
HORIZONTAL SPREAD	.728	.728	.728
VERTICAL SPREAD	1.145	1.121	.921
EXTREME SPREAD	1.330	1.330	.999
NUMBER IN ONE INCH CIRCLE =		6	
NUMBER IN TWO INCH CIRCLE =		10	
NUMBER IN THREE INCH CIRCLE =		10	

FILE:/PATTERNING/CENTERFIRE_PATT/06649185

CENTERFIRE PATTERNS

C

POB



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 9

1st = 3.503

2nd = 2.610

3rd = 2.561

CENTROID *

	10	9	8
1st = 3.503	1.361	.997	.883
2nd = 2.610	-1.242	-1.091	-1.205
3rd = 2.561	.850	.654	.702
4th = 1.760	-1.760	-.945	-.863
5th = 1.175	.175	.024	.138
6th = 1.050	-.050	.146	.064
7th = 1.102	.102	.148	.152
8th = 1.262	.262	.313	.219
9th = 1.983	.983	.832	.774
10th = 2.225	2.225	1.174	1.205
11th = 2.683	2.683	2.088	2.088
12th = 2.610	2.610	1.599	1.569
13th = 2.561	2.561	2.210	2.210
14th = 2.561	2.561	2.210	2.210
15th = 2.561	2.561	2.210	2.210
16th = 2.561	2.561	2.210	2.210
17th = 2.561	2.561	2.210	2.210
18th = 2.561	2.561	2.210	2.210
19th = 2.561	2.561	2.210	2.210
20th = 2.561	2.561	2.210	2.210