

C6523366

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
 MODEL 700™ H24

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

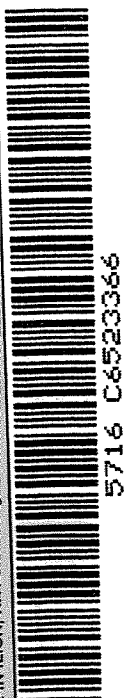
DUPONT
 REG. U.S. PAT. & TM. OFF.

SERIAL NO.
 C6523366

ORDER NO.
 5716

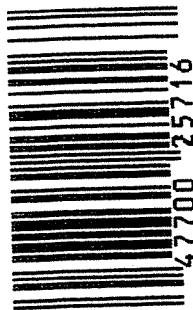
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.



5716 C6523366

UPC



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L 116

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523366

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 2	90	RW
600	Proof	10 2	90	RW
607	Check Headspace	10 2	90	RW
610	Dis-assemble Gun	10 2	90	RW
612	Magnaflux Barrel Action		10-2-90	KR
	Magnaflux Bolt		10-2-90	KR
615	Rollmark Caliber		10-2-90	GL
617	Drill and Tap Sight Holes		10/4/90	FB
618	Polish Barrel <i>PB</i>		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	TH
	Apply Coating (Bolt)		10-20-90	TH
625	Final Assembly A) Clean inside of Bolt Assembly		10/22/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/90	RW
	C) Inspect Ejector Hole for Chamfer		10/22/90	RW
	D) Oil Firing Pin Ass'y		10/22/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/7/90	JK

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	11/1/90	WB		
	G) Safety Off Force	2 1/4	2 1/4	2	11/1/90	WB		
	H) Trigger Pull Test & Retainability				11/1/90	JF		
	I) Firing Pin Indent	.0205	.020	.0205	11/1/90	WB		
	J) Assemble Stock				11/5/90	RW		
	K) Assemble Swivel Studs				11/20/90	JS		
	L) Attach Front and Rear Sight Assemblies				11/5/90	RW		
	M) Iron Sight Alignment				11/5/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				11/5/90	RW		
	O) Attach Scope to Rifle				11/5/90	RW		
	P) Detach & Attach Scope 20 Times				11/5/90	RW		
640	Gallery Target & Test				11-6-90	AC		
	A) Time				11-6-90	AC		
	B) Malfunctions				11-6-90	AC		
	C) Pierced Primers				11-6-90	AC		
	D) Optical Clarity of Scope				11-6-90	AC		
645	Inspect for Live Ammo				11-6-90	AC		
655	Final Inspection							
	A) Headspace				11/20/90	JS		
	B) Trigger Pull	228	221	226	221	220	11/20/90	JS
	C) Function						11/20/90	JS
660	Pack						12/17/90	RF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6523366

DATE 11/1/90

TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.30	2.26	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.32	2.28	2.21	
PULL #3	2.53	2.32	2.38	2.26	
PULL #4	2.45	2.39	2.39	2.21	
PULL #5	2.51	2.29	2.42	2.20	
TOTAL	12.33	11.62	11.73		
AVG.	2.466	2.324	2.346		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.27		
PULL #2	3.50	3.30		
PULL #3	3.48	3.33		
PULL #4	3.10	3.33		
PULL #5	3.40	3.43		
TOTAL	16.95	16.66		
AVG.	3.39	3.332		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.19		4.30
PULL #2	4.25	4.33		4.45
PULL #3	4.50	4.40		4.39
PULL #4	4.39	4.22		4.44
PULL #5	4.29	4.43		4.47
TOTAL	21.61	21.57		22.05
AVG.	4.322	4.314		4.41

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523366
6 Nov 1990

CENTROIDAL DISTANCES

0 TO 1	.117388
1 TO 2	.497001
1 TO 3	.673167
1 TO 4	.470562
1 TO 5	.455748

4⁹
2
3 <---POB

THE AVERAGE V_x FOR THIS RIFLE IS: .221
THE AVERAGE V_y FOR THIS RIFLE IS: -.00
THE RESULTING WEAPON POI RADIUS FOR THIS RIFLE IS:
THE AMR FOR THIS RIFLE IS: .904

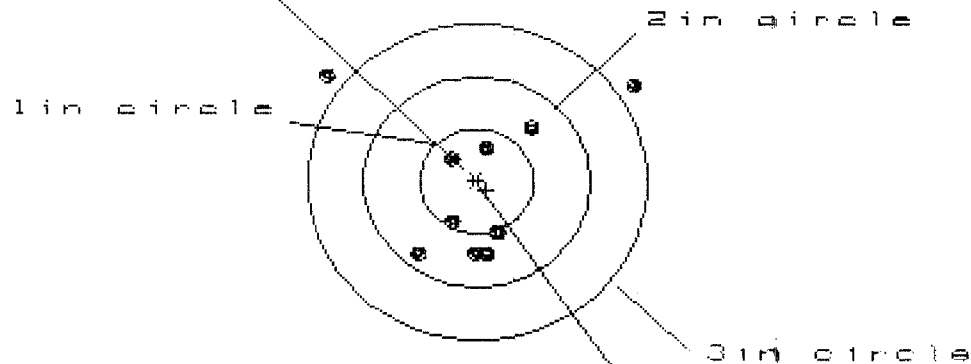
6 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523366

CENTERFIRE PATTERNS

1

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 8

HS= 2.688

VS= 1.707

GS= 2.690

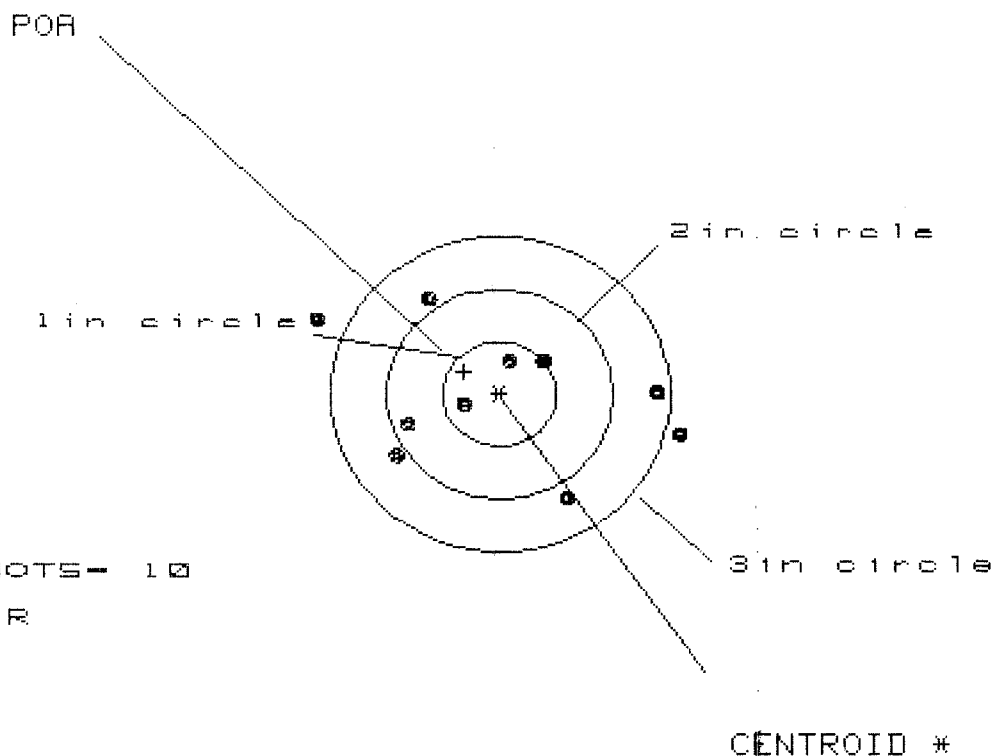
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.417	.597	.459
MINIMUM X	-1.271	-1.114	-.494
MAXIMUM Y	.990	1.088	.724
MINIMUM Y	-.717	-.619	-.483
CENTROID X	-.082	-.239	-.140
CENTROID Y	.084	-.014	-.150
POA TO CENTROID in.	.117	.239	.180
MIN RADIUS	.313	.285	.244
MEAN RADIUS	.784	.667	.519
MAX RADIUS	1.667	1.557	.861
HORIZONTAL SPREAD	2.688	1.711	.756
VERTICAL SPREAD	1.707	1.707	1.012
EXTREME SPREAD	2.690	2.148	1.490
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	8		

6 Nov 1998

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 3.222

VS= 1.833

GS= 3.424

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.625	1.448	1.437
MINIMUM X	:	-1.597	-1.044	-0.863
MAXIMUM Y	:	.876	.960	.921
MINIMUM Y	:	-.957	-.873	-.912
CENTROID X	:	.315	.492	.311
CENTROID Y	:	-.215	-.299	-.268
POA TO CENTROID in.	:	.381	.576	.405
MIN RADIUS	:	.304	.362	.346
MEAN RADIUS	:	1.008	.934	.833
MAX RADIUS	:	1.768	1.482	1.438
HORIZONTAL SPREAD	:	3.222	2.492	2.300
VERTICAL SPREAD	:	1.833	1.833	1.833
EXTREME SPREAD	:	3.424	2.546	2.369
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

6 Nov 1998

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 9

HS= 2.623

VS= 1.972

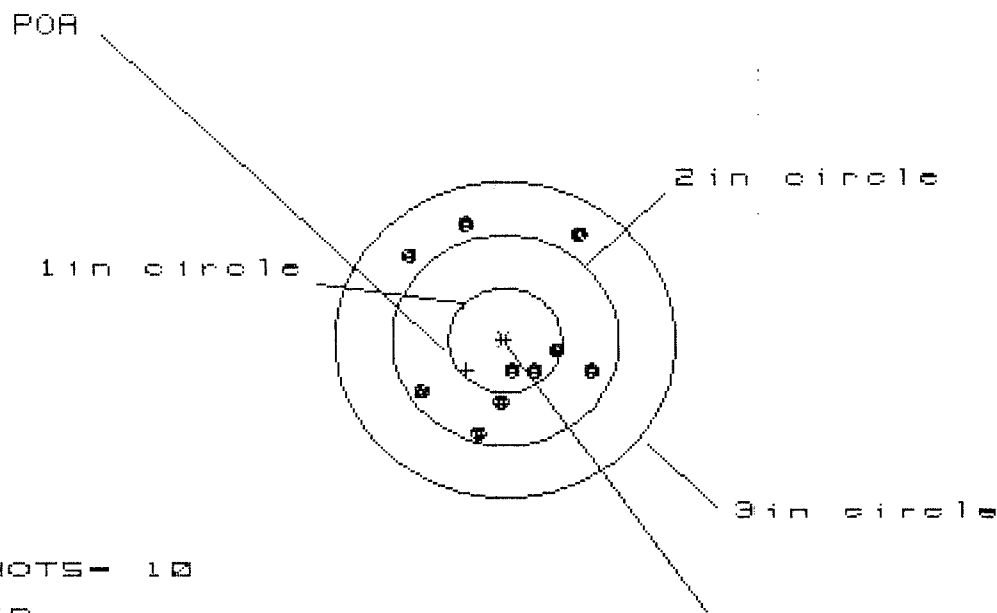
GS= 2.631

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.152	.989	.988
MINIMUM X	:	-1.471	-1.330	-1.207
MAXIMUM Y	:	.911	.963	1.032
MINIMUM Y	:	-1.061	-1.009	-.920
CENTROID X	:	.173	.336	.213
CENTROID Y	:	-.539	-.591	-.680
POA TO CENTROID in.	:	.566	.680	.713
MIN RADIUS	:	.430	.306	.299
MEAN RADIUS	:	1.101	1.020	.992
MAX RADIUS	:	1.542	1.463	1.395
HORIZONTAL SPREAD	:	2.623	2.319	2.114
VERTICAL SPREAD	:	1.972	1.972	1.972
EXTREME SPREAD	:	2.631	2.465	2.425
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Nov 1980

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 1.627

VS = 1.927

GS = 2.052

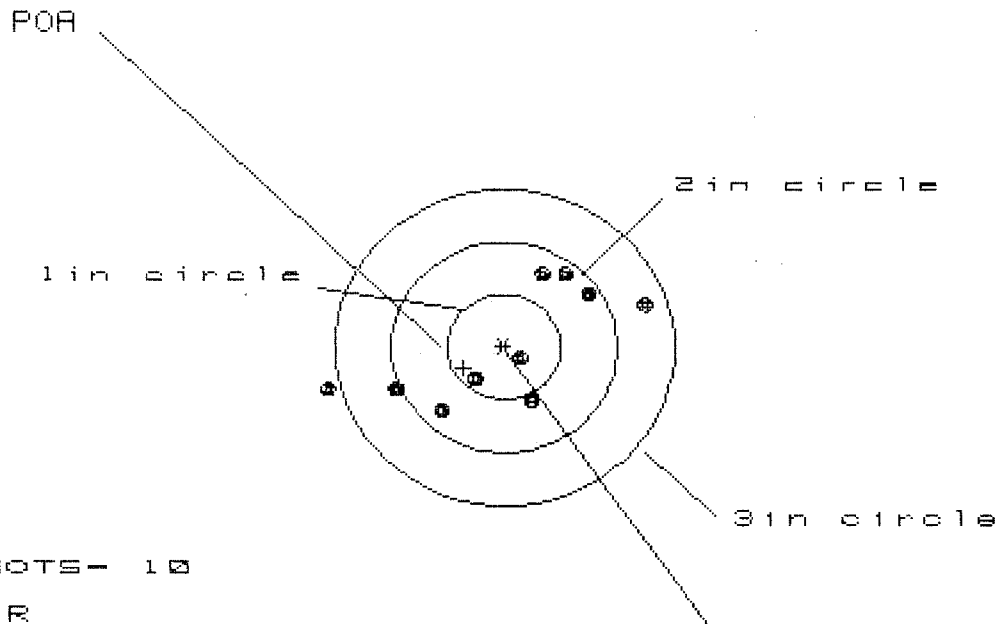
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.777	.848	.751
MINIMUM X	:	-.850	-.779	-.770
MAXIMUM Y	:	1.066	1.175	1.290
MINIMUM Y	:	-.861	-.752	-.687
CENTROID X	:	.343	.272	.369
CENTROID Y	:	.286	.177	.062
POA TO CENTROID in.	:	.447	.324	.374
MIN RADIUS	:	.280	.225	.077
MEAN RADIUS	:	.775	.710	.507
MAX RADIUS	:	1.176	1.206	1.342
HORIZONTAL SPREAD	:	1.627	1.627	1.521
VERTICAL SPREAD	:	1.927	1.927	1.927
EXTREME SPREAD	:	2.052	1.968	1.980
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.801

VS= 1.343

GS= 2.904

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.285	1.116	.665
MINIMUM X	:	-1.516	-1.108	-.968
MAXIMUM Y	:	.741	.699	.742
MINIMUM Y	:	-.602	-.644	-.601
CENTROID X	:	.359	.528	.380
CENTROID Y	:	.199	.241	.197
POA TO CENTROID in.	:	.411	.580	.425
MIN RADIUS	:	.207	.183	.165
MEAN RADIUS	:	.852	.758	.698
MAX RADIUS	:	1.563	1.206	1.061
HORIZONTAL SPREAD	:	2.801	2.224	1.633
VERTICAL SPREAD	:	1.343	1.343	1.343
EXTREME SPREAD	:	2.904	2.372	1.893
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		