

C6522353

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400005652

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington
 MODEL 700™ M24

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

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

SERIAL NO.
 C4522353

ORDER NO.
 5716

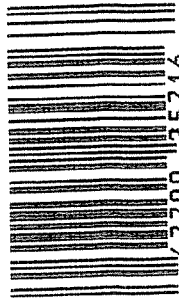
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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5716 C4522353

UPC

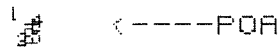


0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522353
17 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.381083
1 TO	2	.507008
1 TO	3	.485157
1 TO	4	.45209
1 TO	5	.57205

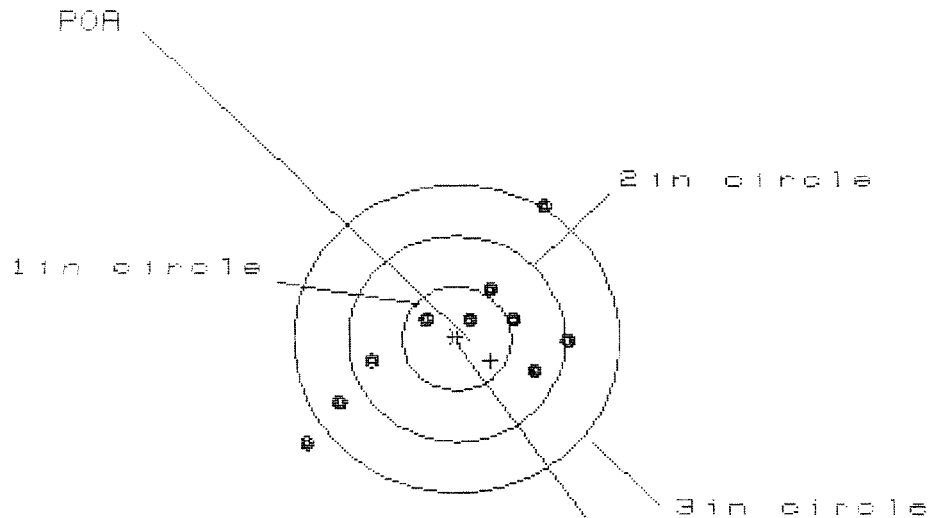
 L4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.064
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0692
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0942584
THE AMR FOR THIS RIFLE IS: .9382

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522353

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.378

VS= 2.373

GS= 3.241

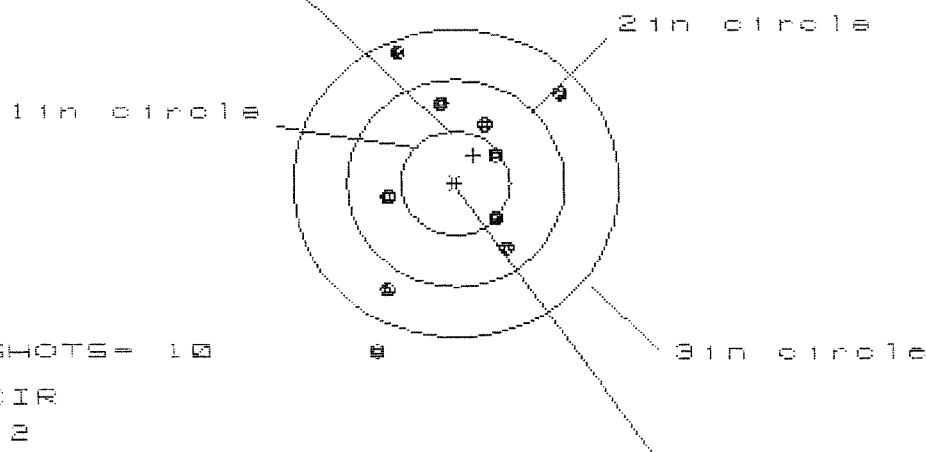
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.015	.864	.951
MINIMUM X	-1.362	-1.202	-1.115
MAXIMUM Y	1.338	1.223	.498
MINIMUM Y	-1.035	-.746	-.593
CENTROID X	-.318	-.166	-.253
CENTROID Y	.210	.325	.172
POA TO CENTROID in.	.381	.365	.306
MIN RADIUS	.258	.104	.266
MEAN RADIUS	.881	.746	.687
MAX RADIUS	1.711	1.415	1.263
HORIZONTAL SPREAD	2.378	2.066	2.066
VERTICAL SPREAD	2.373	1.969	1.091
EXTREME SPREAD	3.241	2.733	2.150
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

17 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522953

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

ME = 1.6885

VS = 2.946

GS = 3.020

CENTROID *

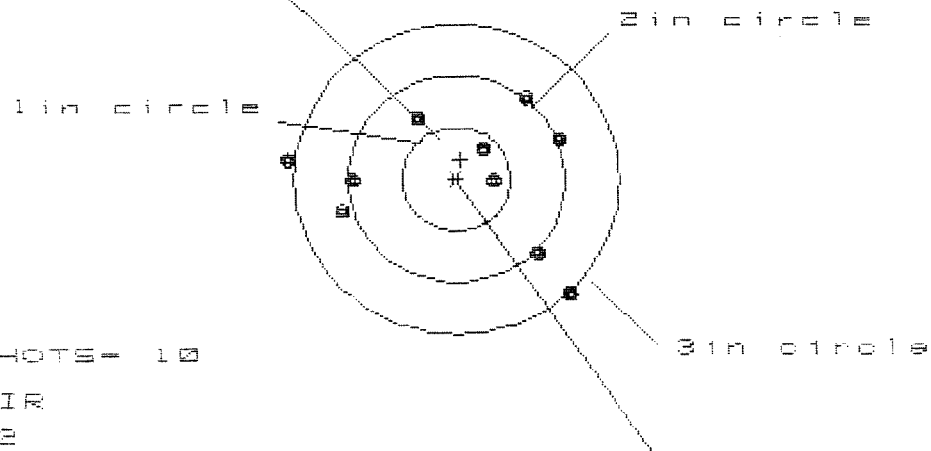
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.969	.889	.816
MINIMUM X	:	-.717	-.710	-.783
MAXIMUM Y	:	1.314	1.133	.835
MINIMUM Y	:	-1.632	-1.256	-1.114
CENTROID X	:	-.167	-.087	-.014
CENTROID Y	:	-.274	-.093	-.235
POA TO CENTROID in.	:	.321	.127	.235
MIN RADIUS	:	.468	.333	.318
MEAN RADIUS	:	.960	.838	.772
MAX RADIUS	:	1.782	1.420	1.336
HORIZONTAL SPREAD	:	1.686	1.599	1.599
VERTICAL SPREAD	:	2.946	2.389	1.949
EXTREME SPREAD	:	3.020	2.491	2.491
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.540

VS= 1.855

CS= 2.843

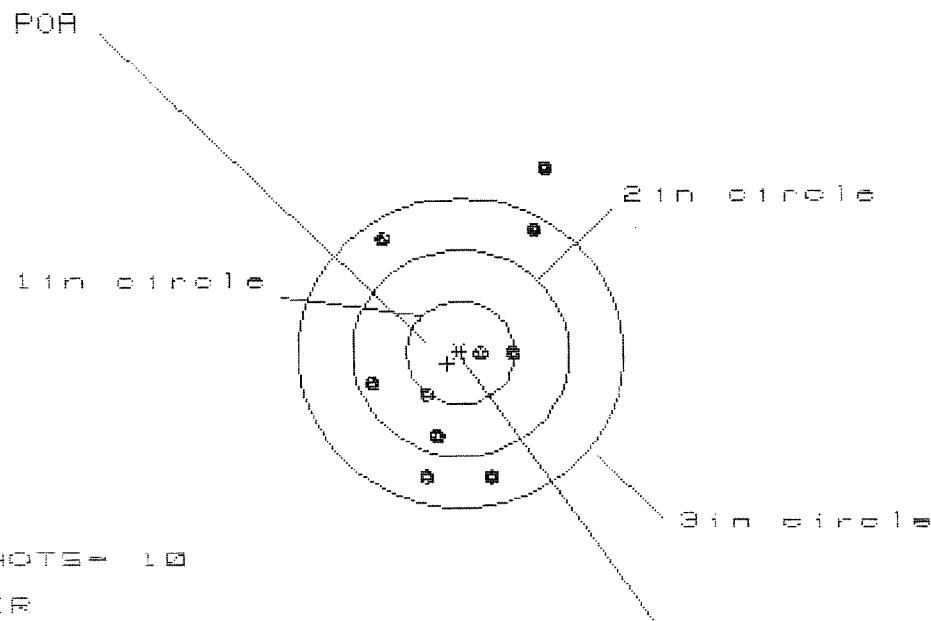
CENTROID *

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.028	.860	.854
MINIMUM X	-1.512	-1.229	-1.122
MAXIMUM Y	.763	.784	.650
MINIMUM Y	-1.092	-1.071	-.855
CENTROID X	-.042	.126	.019
CENTROID Y	-.189	-.210	-.076
POA TO CENTROID in.	.194	.245	.078
MIN RADIUS	.348	.180	.241
MEAN RADIUS	.946	.854	.777
MAX RADIUS	1.524	1.373	1.187
HORIZONTAL SPREAD	2.540	2.089	1.976
VERTICAL SPREAD	1.855	1.855	1.505
EXTREME SPREAD	2.843	2.256	2.084
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.549

VS= 3.003

GS= 3.199

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.768	.774	.704
MINIMUM X	:	-.789	-.785	-.608
MAXIMUM Y	:	1.761	1.388	1.484
MINIMUM Y	:	-1.242	-1.047	-.873
CENTROID X	:	.121	.037	-.060
CENTROID Y	:	.102	-.093	-.267
POA TO CENTROID in.	:	.159	.100	.274
MIN RADIUS	:	.142	.278	.182
MEAN RADIUS	:	1.004	.865	.738
MAX RADIUS	:	1.918	1.590	1.568
HORIZONTAL SPREAD	:	1.549	1.479	1.312
VERTICAL SPREAD	:	3.003	2.435	2.357
EXTREME SPREAD	:	3.199	2.645	2.543
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

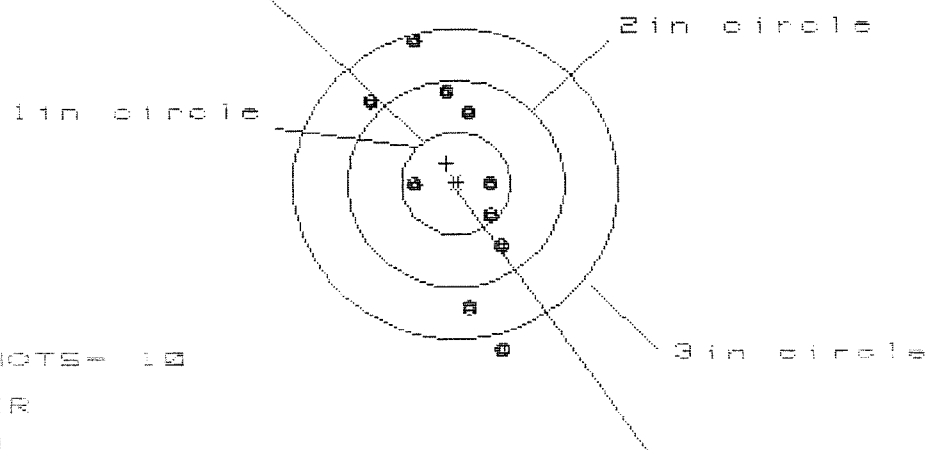
17 Aug 1998

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CENTERFIRE PATTERNS

5

FOR



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 9

HS = 1.158

VS = 3.011

GS = 3.119

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.398
MINIMUM X	-.760
MAXIMUM Y	1.396
MINIMUM Y	-1.615
CENTROID X	.086
CENTROID Y	-.195
FOR TO CENTROID in.	.213
MIN RADIUS	.355
MEAN RADIUS	.900
MAX RADIUS	1.662
HORIZONTAL SPREAD	1.158
VERTICAL SPREAD	3.011
EXTREME SPREAD	3.119
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

SWS TRIGGER PULL TEST

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

SERIAL NO 06522353

DATE 8/23/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.34	2.27	2.19	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.37	2.24	2.25	
PULL #3	2.39	2.34	2.24	2.23	
PULL #4	2.39	2.30	2.25	2.21	
PULL #5	2.40	2.33	2.28	2.24	
TOTAL	12.11	11.73	11.28	11.12	
AVG.	2.422	2.346	2.256	2.224	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.36		
PULL #2	3.12	3.34		
PULL #3	3.36	3.40		
PULL #4	3.35	3.36		
PULL #5	3.40	3.34		
TOTAL	16.49	16.70		
AVG.	3.298	3.34		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.26		4.27
PULL #2	4.27	4.28		4.28
PULL #3	4.28	4.30		4.26
PULL #4	4.27	4.27		4.27
PULL #5	4.28	4.28		4.29
TOTAL	21.27	21.39		21.37
AVG.	4.254	4.278		4.274

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522353

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12 90		RW
600	Proof	7 12 90		RW
607	Check Headspace	7 12 90		RW
610	Dis-assemble Gun	7 12 90		RW
612	Magnaflux Barrel Action		7-17-90	RR
	Magnaflux Bolt		7-17-90	RR
615	Rollmark Caliber		7-17-90	LS
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		7-6-90	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/23/90	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/16/90	JH
	G) Safety Off Force	3	3	3			8/16/90	JH
	H) Trigger Pull Test & Retainability						8/23/90	JH
	I) Firing Pin Indent	.023	.023	.023			8/16/90	JH
	J) Assemble Stock						8/16/90	RW
	K) Assemble Swivel Studs						8/29/90	JH
	L) Attach Front and Rear Sight Assemblies						8/16/90	RW
	M) Iron Sight Alignment						8/16/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/16/90	RW
	O) Attach Scope to Rifle						8/16/90	RW
	P) Detach & Attach Scope 20 Times						8/16/90	RW
640	Gallery Target & Test						8-17-90	DH
	A) Time						8-17-90	DH
	B) Malfunctions						8-17-90	DH
	C) Pierced Primers						8-17-90	DH
	D) Optical Clarity of Scope						8-17-90	DH
645	Inspect for Live Ammo						8-17-90	DH
655	Final Inspection							
	A) Headspace						8/29/90	JH
	B) Trigger Pull	2.19	2.25	2.23	2.21	2.24	8/23/90	JH
	C) Function						8/29/90	JH
660	Pack						9/19/90	NF