

C6225545

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

Remington®



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

MODEL 700™ M24

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

20

SERIAL NO.
C6225545

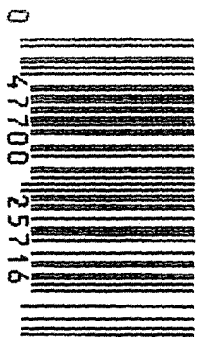
ORDER NO.

5716



5716 C6225545

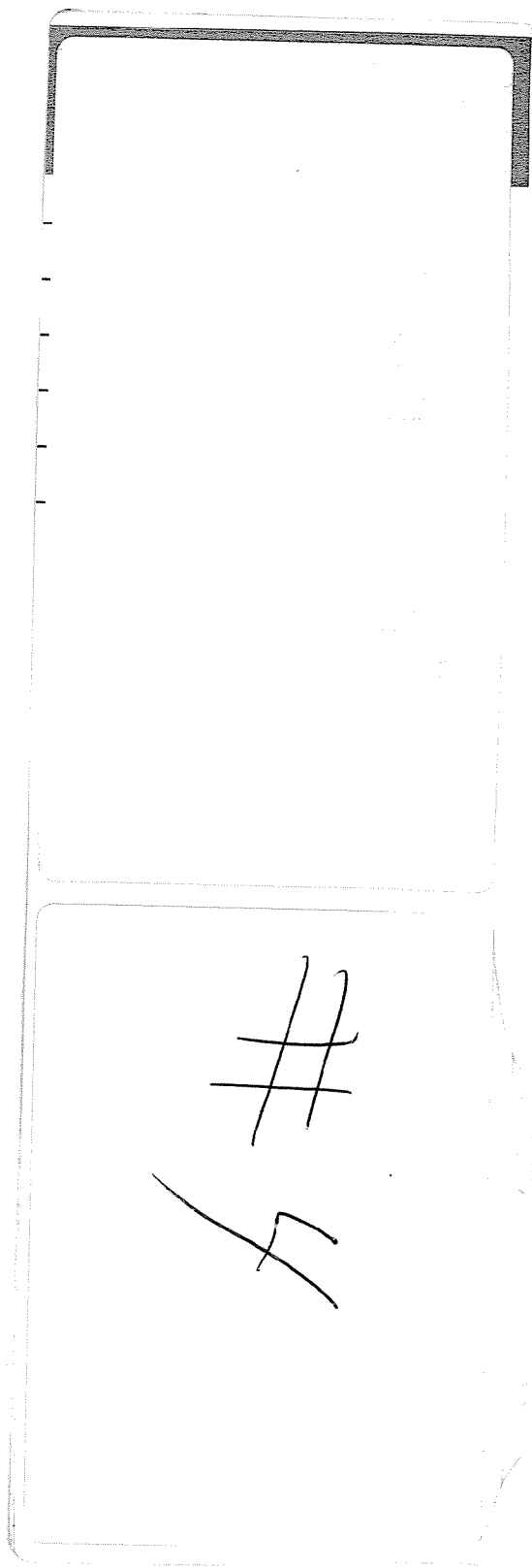
UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400051165



M-24

SCOPE 0407

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

(6225545)

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12 9	88	RW
600	Proof	12 9	88	RW
607	Check Headspace	12 9	88	RW
610	Dis-assemble Gun	12 9	88	RW
612	Magnaflux Barrel Action		12-22-88	pk.
	Magnaflux Bolt		1-3-89	pk.
615	Rollmark Caliber		12/22/88	WJC
617	Drill and Tap Sight Holes	1 3	89	FB
618	Polish Barrel	12	2-88	wjt
620	Apply Coatings (Barrel Action)		1-12-89	15A
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/6/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/89	RW
	C) Inspect Ejector Hole for Chamfer		2/6/89	RW
	D) Oil Firing Pin Ass'y		2/6/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/26/89	JSB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			7 Feb 89	JS
	G) Safety Off Force	3	3	3			7 Feb 89	JS
	H) Trigger Pull Test & Retainability						6 Feb 89	JS
	I) Firing Pin Indent	.0215	.023	.0215			7 Feb 89	JS
	J) Assemble Stock						2/16/89	RW
	K) Assemble Swivel Studs						21 Feb 89	JS
	L) Attach Front and Rear Sight Assemblies						2/16/89	RW
	M) Iron Sight Alignment						2/16/89	RW
	N) Detach Front & Rear Sights & place in numbered container						2/16/89	RW
	O) Attach Scope to Rifle						17 Feb 89	JS
	P) Detach & Attach Scope 20 Times						17 Feb 89	JS
640	Gallery Target & Test	58	12	94	6		2/20/89	DH
	A) Time						2/20/89	DH
	B) Malfunctions						2/20/89	DH
	C) Pierced Primers						2/20/89	DH
	D) Optical Clarity of Scope						2/20/89	DH
645	Inspect for Live Ammo						2/20/89	DH
655	Final Inspection							
	A) Headspace						21 Feb 89	JS
	B) Trigger Pull	2.62	2.48	2.46	2.37	2.35	21 Feb 89	JS
	C) Function						21 Feb 89	JS
660	Pack						23 Mar 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 5545

DATE 4-9-90

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.29	2.43		2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.38		2.28	
PULL #3	2.47	2.37		2.30	
PULL #4	2.33	2.29		2.20	
PULL #5	2.39	2.38		2.33	
TOTAL	11.93	11.85		11.39	
AVG.	2.386	2.37		2.278	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.36		
PULL #2	3.37	3.40		
PULL #3	3.40	3.42		
PULL #4	3.37	3.36		
PULL #5	3.41	3.40		
TOTAL	16.85	16.94		
AVG.	3.37	3.388		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.35		
PULL #2	4.32	4.36		
PULL #3	4.32	4.38		
PULL #4	4.33	4.38		
PULL #5	4.37	4.37		
TOTAL	21.66	21.84		
AVG.	4.332	4.368		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225545
22 Feb 1989

CENTROIDAL DISTANCES

0 TO 1	.588872
1 TO 2	.227035
1 TO 3	.354193
1 TO 4	.578879
1 TO 5	.910536

5
12²₄
+ <----FOR

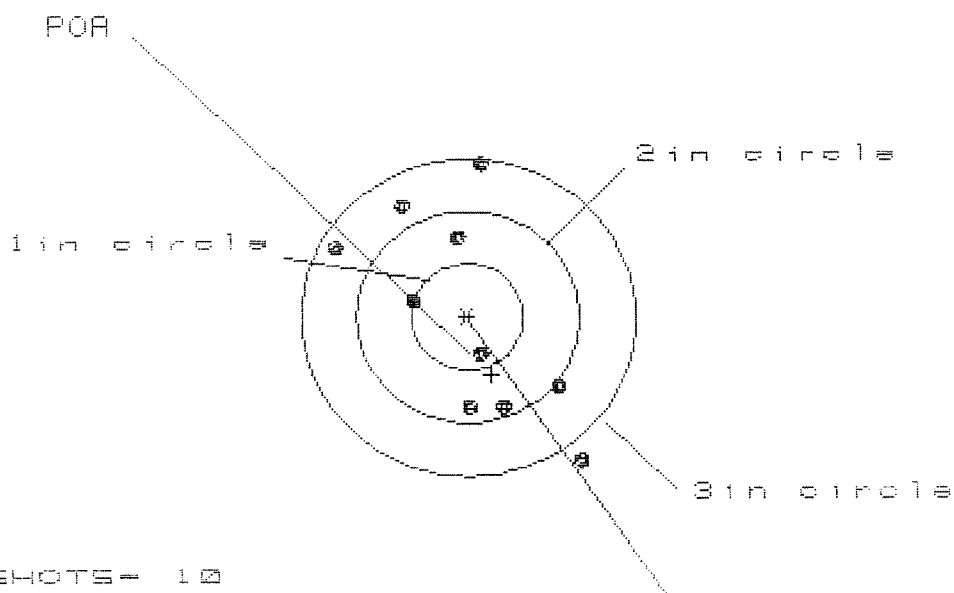
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .144
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .6766
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .691754

THE AMR FOR THIS RIFLE IS: .887

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225545

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 3

HS= 2.276

VS= 2.747

GS= 3.013

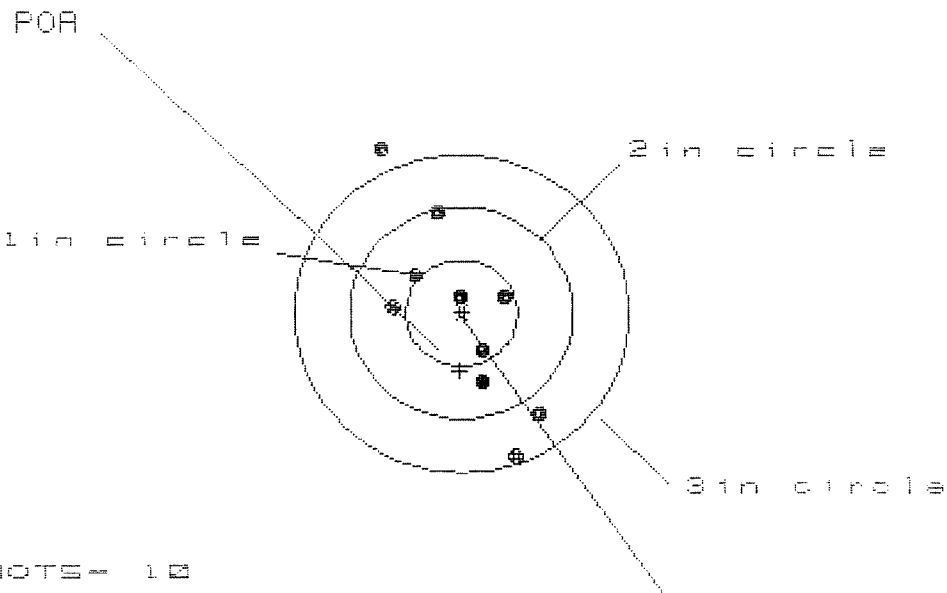
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.041	.923	.952
MINIMUM X	:	-1.235	-1.120	-1.091
MAXIMUM Y	:	1.402	1.252	1.091
MINIMUM Y	:	-1.345	-1.028	-.871
CENTROID X	:	-.213	-.328	-.357
CENTROID Y	:	.549	.699	.542
POA TO CENTROID in.	:	.589	.772	.649
MIN RADIUS	:	.354	.336	.345
MEAN RADIUS	:	1.019	.934	.875
MAX RADIUS	:	1.701	1.273	1.263
HORIZONTAL SPREAD	:	2.276	2.043	2.043
VERTICAL SPREAD	:	2.747	2.280	1.962
EXTREME SPREAD	:	3.013	2.403	2.403
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225545

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.368

VS = 2.898

GS = 3.145

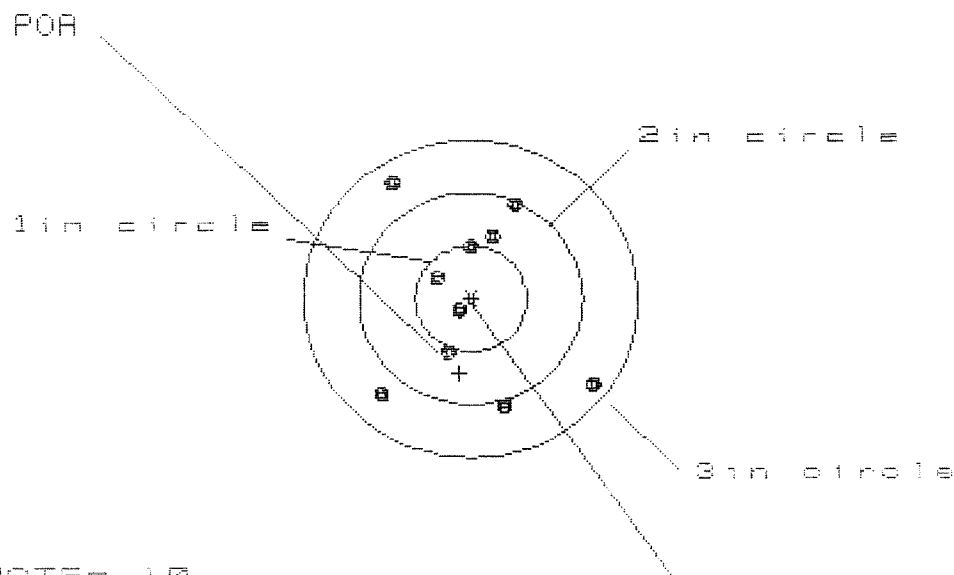
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.666	.588	.644
MINIMUM X	:	-.702	-.645	-.590
MAXIMUM Y	:	1.598	1.128	.988
MINIMUM Y	:	-1.300	-1.123	-.888
CENTROID X	:	.014	.092	.036
CENTROID Y	:	.545	.368	.508
POA TO CENTROID in.	:	.545	.379	.509
MIN RADIUS	:	.125	.190	.167
MEAN RADIUS	:	.794	.683	.602
MAX RADIUS	:	1.745	1.207	1.097
HORIZONTAL SPREAD	:	1.368	1.233	1.233
VERTICAL SPREAD	:	2.898	2.251	1.876
EXTREME SPREAD	:	3.145	2.370	2.075
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225545

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.865

VS= 2.115

GS= 2.658

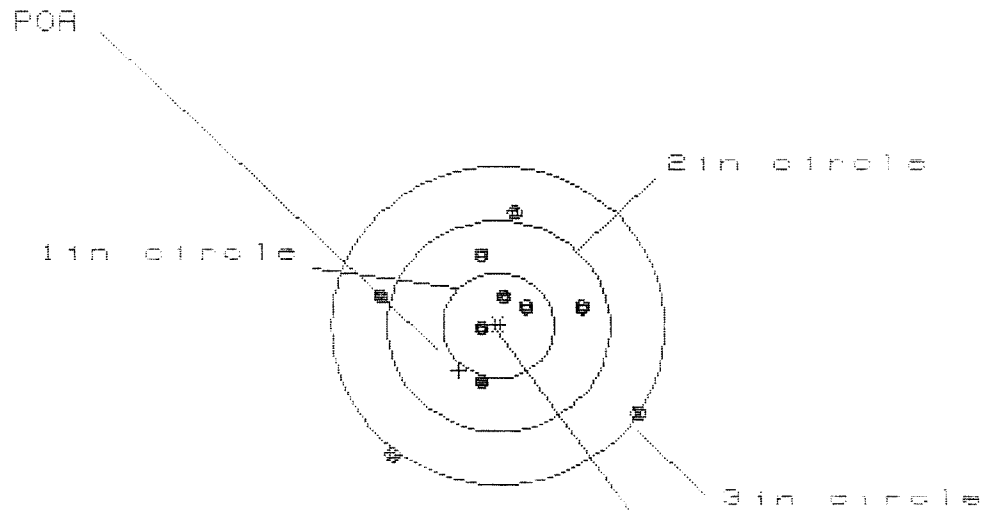
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.083	.507	.431
MINIMUM X	:	-.782	-.662	-.738
MAXIMUM Y	:	1.120	1.028	.929
MINIMUM Y	:	-.995	-1.087	-.959
CENTROID X	:	.104	-.016	.060
CENTROID Y	:	.707	.799	.671
POA TO CENTROID in.	:	.715	.799	.673
MIN RADIUS	:	.111	.170	.053
MEAN RADIUS	:	.813	.734	.674
MAX RADIUS	:	1.363	1.224	1.164
HORIZONTAL SPREAD	:	1.865	1.169	1.169
VERTICAL SPREAD	:	2.115	2.115	1.888
EXTREME SPREAD	:	2.658	2.365	2.172
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225545

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS = 2.347

VS = 2.274

GS = 2.606

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.286	1.179	.784
MINIMUM X	:	-1.060	-1.168	-1.020
MAXIMUM Y	:	1.073	.939	.817
MINIMUM Y	:	-1.201	-.978	-.818
CENTROID X	:	.352	.459	.311
CENTROID Y	:	.423	.557	.679
POA TO CENTROID in.	:	.550	.722	.747
MIN RADIUS	:	.185	.151	.043
MEAN RADIUS	:	.801	.691	.564
MAX RADIUS	:	1.541	1.532	1.021
HORIZONTAL SPREAD	:	2.347	2.347	1.804
VERTICAL SPREAD	:	2.274	1.917	1.635
EXTREME SPREAD	:	2.606	2.606	1.807
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8223545

CENTERFIRE PATTERNS

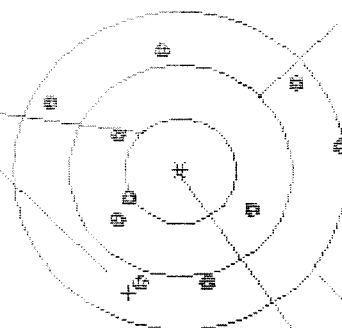
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POA

1 in circle

2 in circle

3 in circle



CENTROID *

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 10

HE= 2.550

VS= 2.262

GS= 2.580

PATTERN #	5	6	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.405	1.175	1.050
MINIMUM X	-1.154	-1.998	-1.537
MAXIMUM Y	1.182	1.213	1.292
MINIMUM Y	-1.080	-1.049	-1.970
CENTROID X	.463	.307	.432
CENTROID Y	1.159	1.128	1.049
POA TO CENTROID in.	1.248	1.169	1.134
MIN RADIUS	.549	.399	.475
MEAN RADIUS	1.008	.930	.898
MAX RADIUS	1.433	1.445	1.396
HORIZONTAL SPREAD	2.560	2.173	1.587
VERTICAL SPREAD	2.262	2.262	2.262
EXTREME SPREAD	2.580	2.303	2.303
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

21 DAY TURN - AROUND

*New
Barrel
or
Stock*

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO.

C6225345

LOG IN DATE: / /		DATE	INIT.
INSPECT & VERIFY:			
OP. #	OP. NAME		
550	DIS-ASSEMBLE GUN		
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL & TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	<i>6-27-97</i>	<i>AP</i>
605	CHECK HEADSPACE	<i>6-27-97</i>	<i>AP</i>
610	DIS-ASSEMBLE		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY	<i>8-17-97</i>	<i>JW</i>
B	TRIGGER PULL TEST		
C	SAFETY ON FORCE		
D	SAFETY OFF FORCE		
E	FIRING PIN INDENT		
640	TARGET	<i>8-20-97</i>	<i>JW</i>
655	FINAL INSPECT		
660	PACK		

QAR INSPECTION

SHIP DATE

Final Inspection

Sn: C6225545 DATE REC'D: 6-24-97 DATE RET'D:

Auditor: RW

Item:

BARREL ASSY.

☒ BARREL

☒ RECEIVER

☒ FRONT SIGHT BLOCK

☒ REAR SIGHT BLOCK

☒ SCREWS

☒ FINISH

SCOPE ASSY.

☐ SCOPE

☐ SCOPE RINGS

☐ MOUNTING SCREWS

☒ MOUNTING BASE

☒ SCREWS

☐ FINISH

☐ LOOSENESS

☐ CLARITY

MISC.

☐ DD-250

☐ BAR CODE

☐ PACKAGING

Item:

STOCK ASSY.

☒ STOCK

☒ SLING SWIVEL STUDS

☒ ADJUSTABLE BUTT PLATE

☒ LOCK NUTS

☒ BARREL CLEARANCE

☒ COLOR/FINISH

SYSTEMS CASE

☐ SCOPE CASE

☐ IRON SIGHTS

☐ DEPLOYMENT KIT

TRIGGER

☒ SAFETY OPERATION

☒ SET

Comments: _____

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6225545
20 Aug 1997

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.012
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0884
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0892108

THE AMR FOR THIS RIFLE IS: 1.14

CENTROIDAL DISTANCES

0	TO	1	.33699
1	TO	2	.127953
1	TO	3	.428953
1	TO	4	.502881
1	TO	5	.429418

2¹ 3
54 <----POA

REMINGTON CENTERFIRE ACCURACY TEST

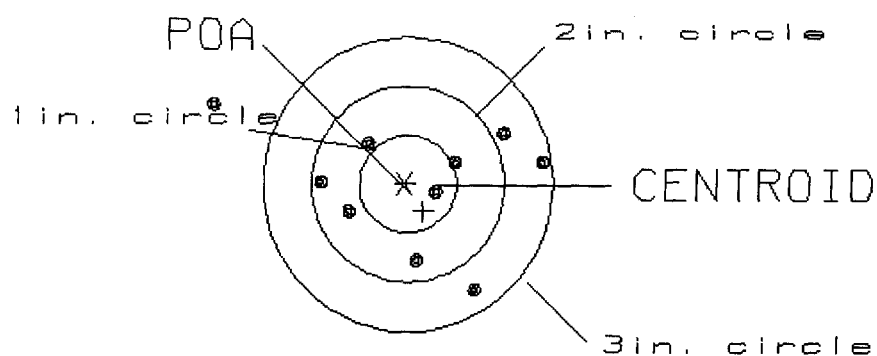
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 1
 POA TO CENTROID: .337
 MIN RADIUS : .324
 MEAN RADIUS : .966
 MAX RADIUS : 2.153
 CENTROID X : -.189
 CENTROID Y : .279

20 Aug 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225545

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.34

1

VS= 1.97

6

GS= 3.39

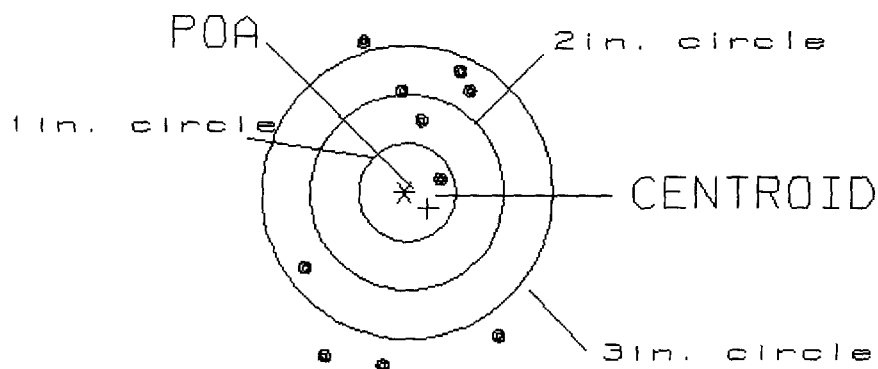
9

PATTERN #: 2
 POA TO CENTROID: .293
 MIN RADIUS : .397
 MEAN RADIUS : 1.310
 MAX RADIUS : 1.927
 CENTROID X : -.243
 CENTROID Y : .163

20 Aug 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225545

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.93
 VS= 3.27
 GS= 3.29

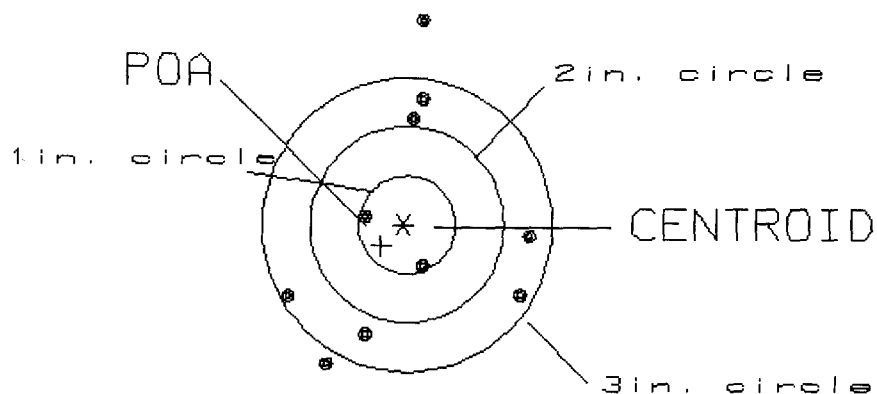
1
 2
 6

PATTERN #: 3
 POA TO CENTROID: .317
 MIN RADIUS : .437
 MEAN RADIUS : 1.242
 MAX RADIUS : 2.095
 CENTROID X : .235
 CENTROID Y : .214

28 Aug 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225545

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.53

2

VS= 3.54

2

GS= 3.69

6

REMINGTON CENTERFIRE ACCURACY TEST

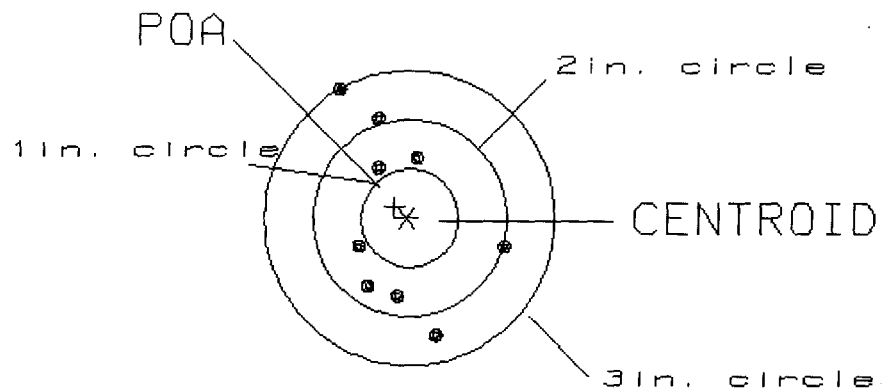
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 4
 POA TO CENTROID: .169
 MIN RADIUS : .571
 MEAN RADIUS : .921
 MAX RADIUS : 1.502
 CENTROID X : .126
 CENTROID Y : -.113

20 Aug 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225545

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 1.70
 VS= 2.51
 GS= 2.68

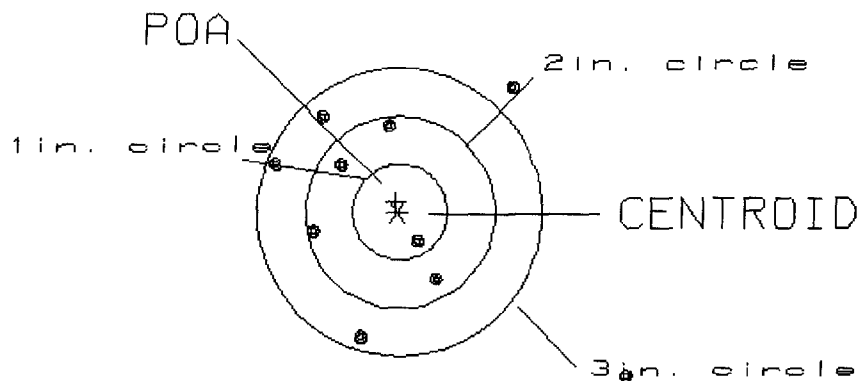
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 5
 9

PATTERN #: 5
 PCA TO CENTROID: .102
 MIN RADIUS : .339
 MEAN RADIUS : 1.261
 MAX RADIUS : 2.925
 CENTROID X : .011
 CENTROID Y : -.101

28 Aug 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225545

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.69
 VS= 3.04
 GS= 4.30

1
 5
 8