

C6225410

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Sweet[®]
M. 2187.51

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00014589** Serial: C6225410 Model 700 Center Fire Caliber 7.62 NATO M-24 (SWS) Repairman: Status: Closed 9/28/00 9:22 29 AM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **TRANSPORTATION OFFICE** **TRANSPORTATION OFFICE**

Address 1: **BLDG 330** **BLDG 330**

Address 2: **4851 CHILES AVE** **4851 CHILES AVE** PO Box: **PO Box**

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Post:

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A010	Hard Case	1
A015	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

Repair Search **Refresh** **Close**

magell 9/28/00 9:26 AM CAPS NUM JINS SCRL

Start Info Nagl Expl Micr Part Ar Brea Print 9:26 AM

Serial Number: **C6225410**

Model: **700**



RE00014589

BBL - 96003

Final Inspection

Sn: C6225410

DATE REC'D: 9-17-00

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:

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 0060265

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225410
3 Nov 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.011
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1496
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .150004

THE AMR FOR THIS RIFLE IS: 1.189

CENTROIDAL DISTANCES

Ø TO	1	.276525
1 TO	2	.396667
1 TO	3	.276921
1 TO	4	.642863
1 TO	5	.600353

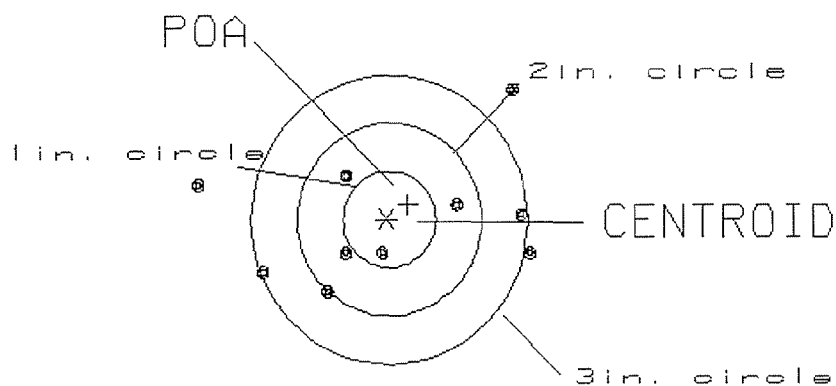
4
+ <----POA
1 3
2 5

PATTERN #: 1
 POA TO CENTROID: .276
 MIN RADIUS : .365
 MEAN RADIUS : 1.182
 MAX RADIUS : 2.081
 CENTROID X : -.229
 CENTROID Y : -.155

3 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225410

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.61
 VS= 2.08
 GS= 3.69

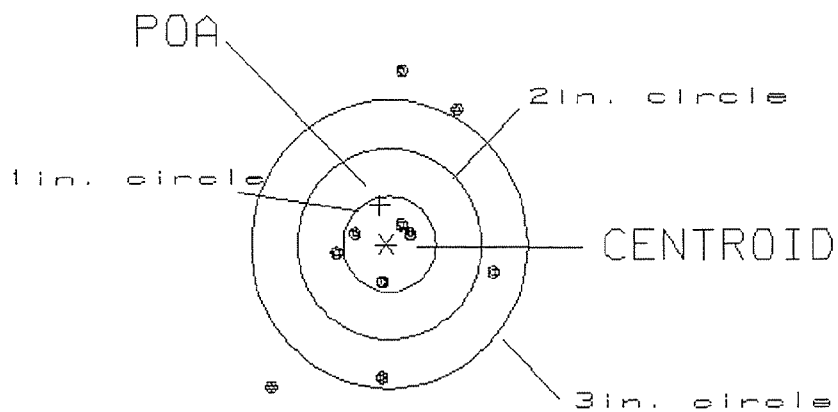
1
 5
 6

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .417
 MIN RADIUS : .191
 MEAN RADIUS : .968
 MAX RADIUS : 1.907
 CENTROID X : .074
 CENTROID Y : -.411

3 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225410

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.35

4

VS= 3.27

5

GS= 3.56

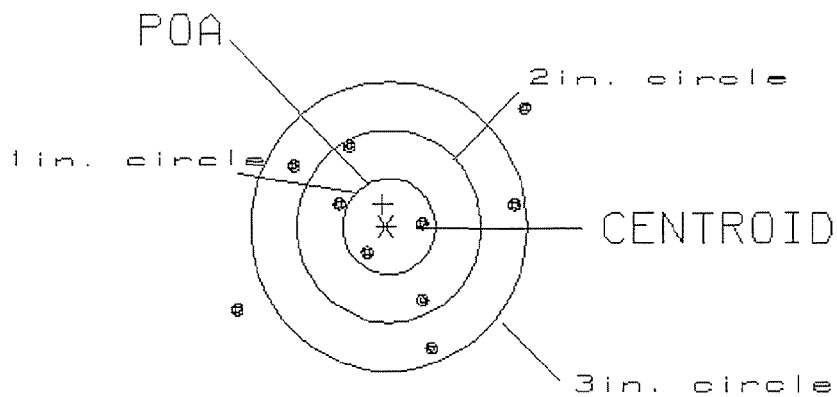
7

PATTERN #: 3 L
 POA TO CENTROID: .235
 MIN RADIUS : .339
 MEAN RADIUS : 1.079
 MAX RADIUS : 1.868
 CENTROID X : .037
 CENTROID Y : -.232

3 Nov 2000

FILE:/Hplbasic/Accuracy/Patterning/Centerfire_Patt/c6225410

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.07

2

VS= 2.51

5

GS= 3.67

8

BARBER - M24 0060269

REMINGTON CENTERFIRE ACCURACY TEST

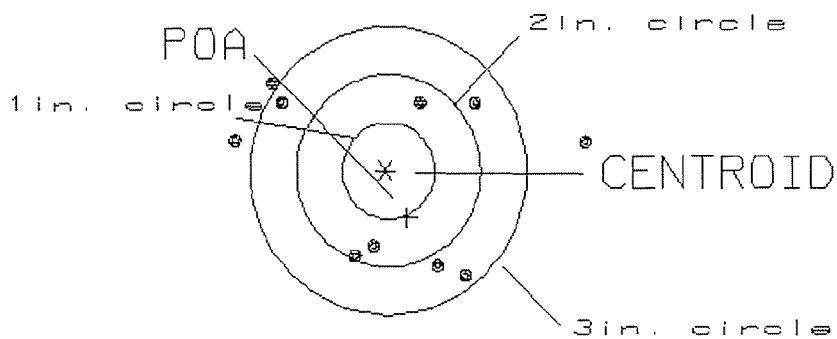
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .542
 MIN RADIUS : .766
 MEAN RADIUS : 1.301
 MAX RADIUS : 2.174
 CENTROID X : -.238
 CENTROID Y : .487

3 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225410

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.84

0

VS= 1.90

2

GS= 3.84

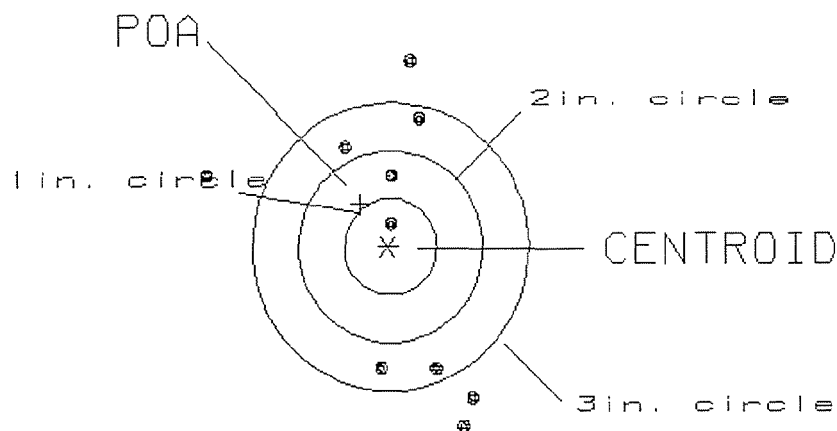
7

PATTERN #: 5
 POA TO CENTROID: .531
 MIN RADIUS : .275
 MEAN RADIUS : 1.417
 MAX RADIUS : 2.156
 CENTROID X : .301
 CENTROID Y : -.437

3 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225410

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.93
 VS= 3.82
 GS= 3.90

1
 2
 6

BARBER - M24 0060271

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225410
1 Nov 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -1.0334

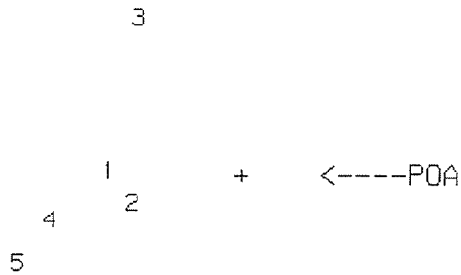
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0008

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.0334

THE AMR FOR THIS RIFLE IS: 1.499

CENTROIDAL DISTANCES

Ø TO	1	.902533
1 TO	2	.271671
1 TO	3	1.03908
1 TO	4	.513942
1 TO	5	.873291



BARBER - M24 0060272

REMINGTON CENTERFIRE ACCURACY TEST

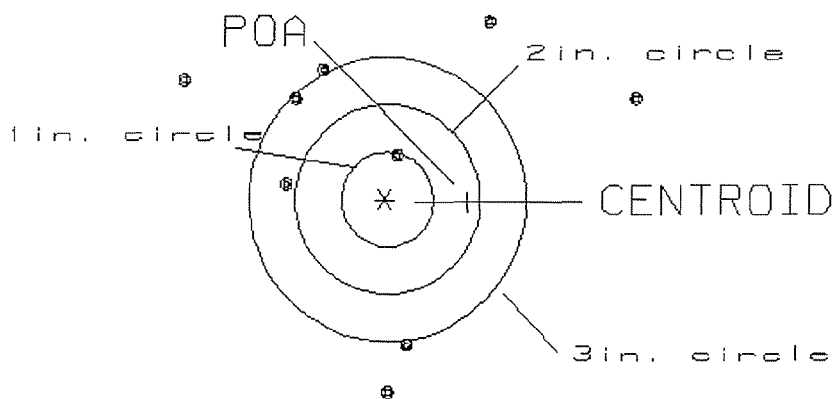
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .903
 MIN RADIUS : .439
 MEAN RADIUS : 1.962
 MAX RADIUS : 3.926
 CENTROID X : -.902
 CENTROID Y : .031

31 Oct 2000

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/C6225410

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.89

VS= 5.74

GS= 5.94

1

1

1

4

BARBER - M24 0060273

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .768

MIN RADIUS : .634

MEAN RADIUS : 1.330

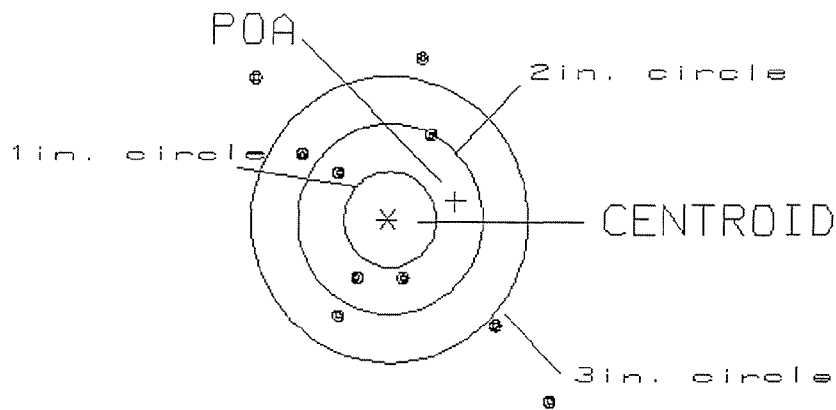
MAX RADIUS : 2.585

CENTROID X : -.744

CENTROID Y : -.190

31 Oct 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225410

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 3.28

0

VS= 3.55

4

GS= 4.72

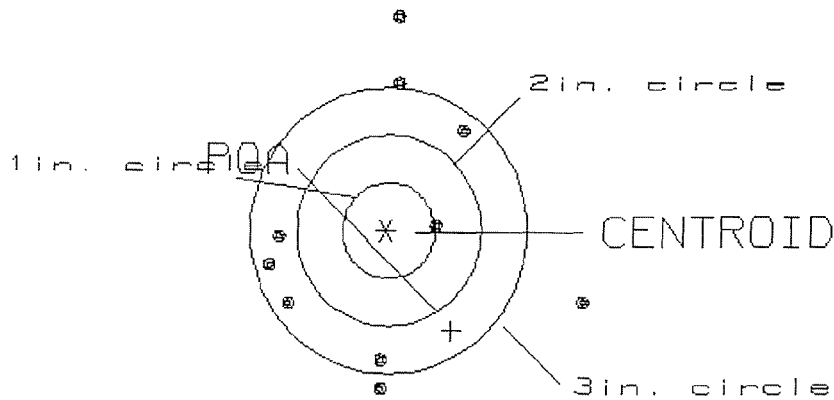
6

PATTERN #: 3
 POA TO CENTROID: 1.269
 MIN RADIUS : .517
 MEAN RADIUS : 1.471
 MAX RADIUS : 2.239
 CENTROID X : -.709
 CENTROID Y : 1.052

31 Oct 2000

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/C6225410

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.43
 VS= 3.89
 GS= 3.90

0
 1
 6

BARBER - M24 0060275

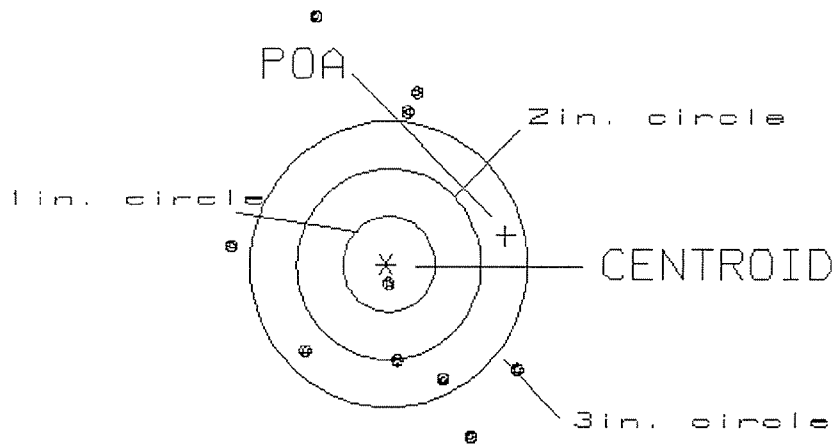
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
POA TO CENTROID: 1.330
MIN RADIUS : .206
MEAN RADIUS : 1.546
MAX RADIUS : 2.697
CENTROID X : -1.296
CENTROID Y : -.299

31 Oct 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225410

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 3.12

1

VS= 4.35

2

GS= 4.68

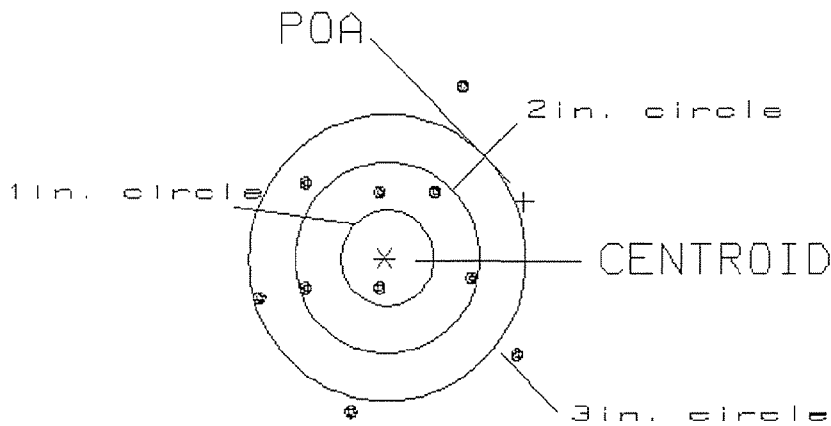
4

PATTERN #: 5
 POA TO CENTROID: 1.627
 MIN RADIUS : .327
 MEAN RADIUS : 1.186
 MAX RADIUS : 1.952
 CENTROID X : -1.516
 CENTROID Y : -.590

31 Oct 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225410

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.86
 VS= 3.40
 GS= 3.63

1
 5
 7

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

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

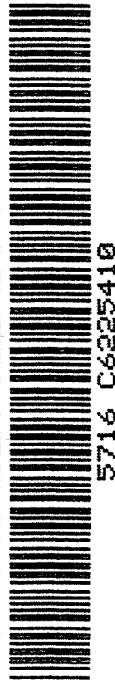
MODEL 700™ H24

SERIAL NO.
 C6225410

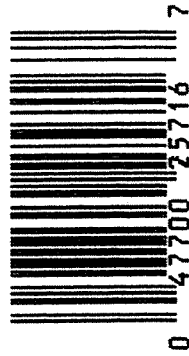
ORDER NO.
 5716

Q1

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



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225410

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 17	89	RW
600	Proof	3 17	89	RW
607	Check Headspace	3 17	89	RW
610	Dis-assemble Gun	3 17	89	RW
612	Magnaflux Barrel Action		3/21	KCR
	Magnaflux Bolt		3/21	KCR
615	Rollmark Caliber		3/21	LS
617	Drill and Tap Sight Holes	3 22	89	FB
618	Polish Barrel	3 22	89	BT.
620	Apply Coatings (Barrel Action)		3/21/89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/4/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/4/89	RW
	C) Inspect Ejector Hole for Chamfer		4/4/89	RW
	D) Oil Firing Pin Ass'y		4/4/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4-6-89	JK

op. #	BARBER - M24 0060279 OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	3	4	4	4-6-89	94		
	G) Safety Off Force	6	6	6				
	H) Trigger Pull Test & Retainability				4-5-89	2.2.		
	I) Firing Pin Indent	.021	.020	.020	4-6-89	94		
	J) Assemble Stock				4/17/89	RW		
	K) Assemble Swivel Studs				21 April 89	22		
	L) Attach Front and Rear Sight Assemblies				4/17/89	RW		
	M) Iron Sight Alignment				4/17/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				4/17/89	RW		
	O) Attach Scope to Rifle				4/17/89	94		
	P) Detach & Attach Scope 20 Times				4/19/89	94		
640	Gallery Target & Test	45 R	106 L	4/20/89	DT			
	A) Time			4/20/89	DT			
	B) Malfunctions			4/20/89	DT			
	C) Pierced Primers			4/20/89	DT			
	D) Optical Clarity of Scope			4/20/89	DT			
645	Inspect for Live Ammo			4/20/89	DT			
655	Final Inspection							
	A) Headspace				21 April 89	918		
	B) Trigger Pull	2.07	2.39	2.36	2.37	2.40	26 April 89	918
	C) Function						21 April 89	918
660	Pack						27 January 89	918

SWS TRIGGER PULL TEST

BARBER - M24 0060280

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

SERIAL NO. 5410
DATE 23 Mar 90
TESTER JLH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	227	251		228	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	223	245		225	
PULL #3	232	236		222	
PULL #4	244	246		237	
PULL #5	233	256		225	
TOTAL	1159	1234			
AVG.	231.8	246.8			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	344	331		
PULL #2	333	338		
PULL #3	333	339		
PULL #4	337	332		
PULL #5	332	325		
TOTAL	1679	1665		
AVG.	335.8	333		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	465	438		
PULL #2	440	450		
PULL #3	449	449		
PULL #4	438	440		
PULL #5	450	447		
TOTAL	2242	2224		
AVG.	448.4	444.8		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225410
20 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.33754
1 TO	2	.245226
1 TO	3	.673071
1 TO	4	.691378
1 TO	5	.164128

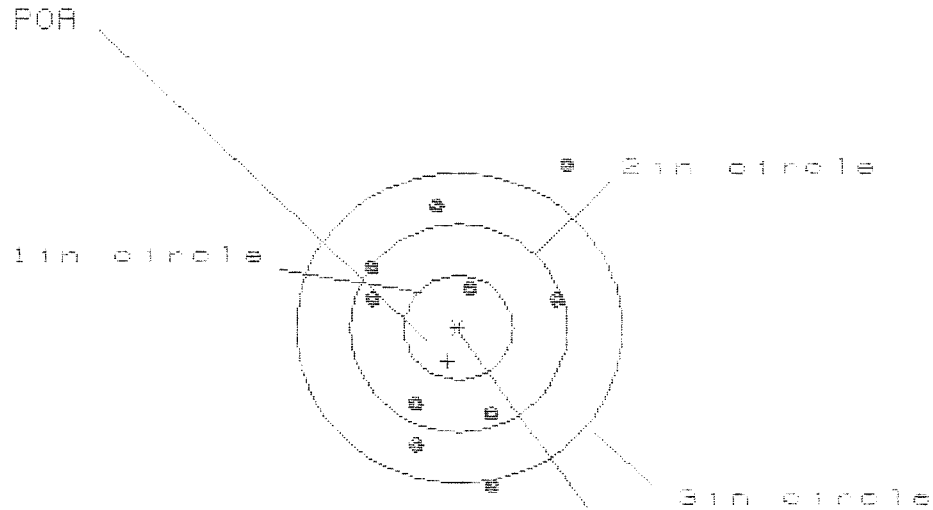
$\frac{1}{4}$ 3
+ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1394
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1508
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .205361
THE AMR FOR THIS RIFLE IS: 1.011

20 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/09225410

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 1.745

VS= 3.096

GS= 3.173

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.955	1.057	1.103
MINIMUM X	-.790	-.683	-.637
MAXIMUM Y	1.558	1.398	1.228
MINIMUM Y	-1.538	-1.365	-1.158
CENTROID X	.098	-.009	-.055
CENTROID Y	.323	.150	.320
POA TO CENTROID in.	.337	.150	.325
MIN RADIUS	.385	.585	.458
MEAN RADIUS	1.073	.976	.906
MAX RADIUS	1.828	1.413	1.228
HORIZONTAL SPREAD	1.745	1.740	1.740
VERTICAL SPREAD	3.096	2.763	2.386
EXTREME SPREAD	3.173	2.797	2.396
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

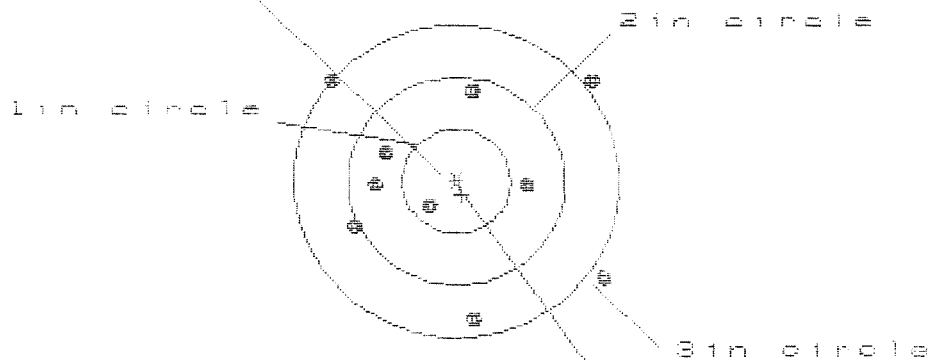
28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225410

CENTERFIRE PATTERNS

2

POA



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.458

VS = 2.288

GS = 3.074

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.356	1.378	1.022
MINIMUM X	:	-1.102	-0.952	-0.788
MAXIMUM Y	:	.990	.887	.929
MINIMUM Y	:	-1.298	-1.401	-1.298
CENTROID X	:	-.052	-.202	-.374
CENTROID Y	:	.129	.232	.121
POA TO CENTROID in.	:	.139	.308	.393
MIN RADIUS	:	.342	.373	.277
MEAN RADIUS	:	1.028	.933	.801
MAX RADIUS	:	1.641	1.632	1.373
HORIZONTAL SPREAD	:	2.458	2.322	1.882
VERTICAL SPREAD	:	2.288	2.288	2.219
EXTREME SPREAD	:	3.074	2.572	2.546
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

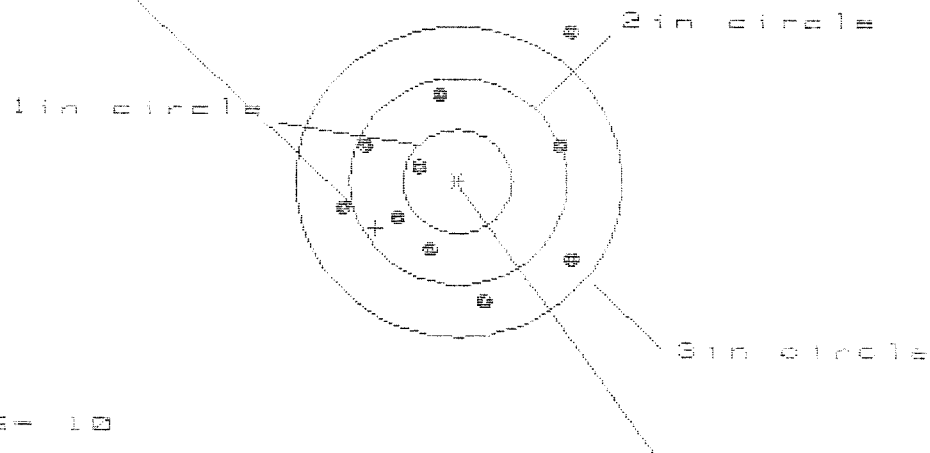
20 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225410

CENTERFIRE PATTERNS

3

POA



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.124

VS= 2.585

GS= 2.733

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.053	1.161	1.198
MINIMUM X	:	-1.071	-1.954	-1.809
MAXIMUM Y	:	1.449	1.051	.981
MINIMUM Y	:	-1.136	-.975	-1.045
CENTROID X	:	.758	.641	.496
CENTROID Y	:	.455	.294	.364
POA TO CENTROID in.	:	.884	.785	.615
MIN RADIUS	:	.353	.354	.222
MEAN RADIUS	:	.987	.861	.778
MAX RADIUS	:	1.791	1.289	1.270
HORIZONTAL SPREAD	:	2.124	2.115	2.007
VERTICAL SPREAD	:	2.585	2.026	2.026
EXTREME SPREAD	:	2.733	2.187	2.096
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225410

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.463

VS= 2.676

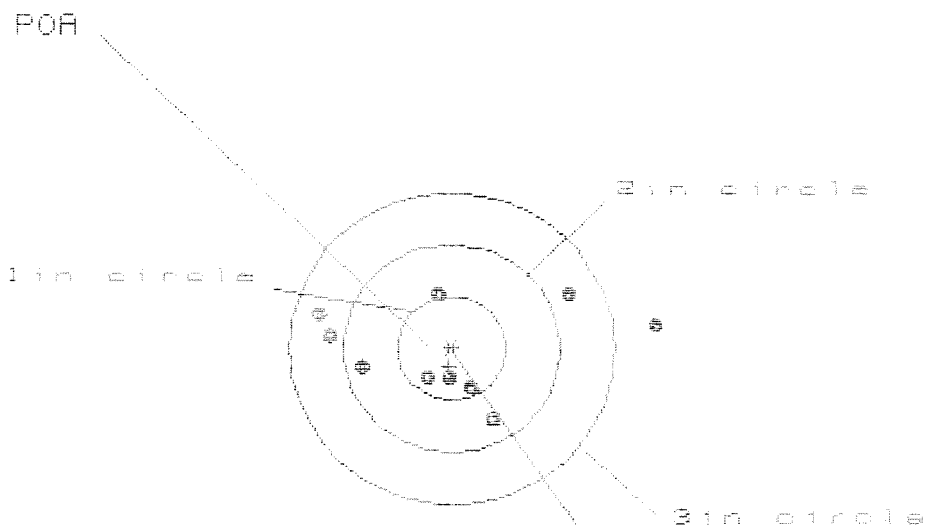
GS= 2.935

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.480	1.373	.830
MINIMUM X	:	-.983	-1.090	-.918
MAXIMUM Y	:	1.392	1.249	1.274
MINIMUM Y	:	-1.284	-1.351	-1.326
CENTROID X	:	-.132	-.024	-.196
CENTROID Y	:	-.329	-.186	-.211
POA TO CENTROID in.	:	.354	.188	.288
MIN RADIUS	:	.363	.492	.495
MEAN RADIUS	:	1.105	1.042	.999
MAX RADIUS	:	1.605	1.448	1.341
HORIZONTAL SPREAD	:	2.463	2.463	1.748
VERTICAL SPREAD	:	2.676	2.600	2.600
EXTREME SPREAD	:	2.935	2.663	2.663
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

28 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225410

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 3.106

VS= 1.182

QS= 3.107

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.854	1.384	1.174
MINIMUM X	-1.252	-1.046	-1.051
MAXIMUM Y	.528	.554	.596
MINIMUM Y	-.653	-.628	-.536
CENTROID X	.025	-.181	-.051
CENTROID Y	.176	.150	.108
POA TO CENTROID in.	.177	.235	.120
MIN RADIUS	.317	.229	.219
MEAN RADIUS	.860	.723	.658
MAX RADIUS	1.869	1.399	1.295
HORIZONTAL SPREAD	3.106	2.350	2.225
VERTICAL SPREAD	1.182	1.182	1.182
EXTREME SPREAD	3.107	2.356	2.248
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	