

C6348721

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



09/16/08 15:23:37

Arms Services Repair System

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

Repair Inquiry

Repair Number: RE00151208

Serial: C6348721 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 9/16/2008 2:26:41 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: ISD ARMSROOM

ISD ARMSROOM

Address 1: 8TH DESERT STORM

8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglelj

9/16/2008

3:25 PM

CAPS

NUM

INS

SCRL

Serial
Number:

C6348721

Model M24 SWS



RE00151208

M-24 INSPECTION CHECKLIST
CONTRACT # DAAE-20-02-C-0146

151208
C6348721
9-16-08

OPERATION #	OPERATION NAME	DATE	INITIALS
500	DIS-ASSEMBLE GUN	9-18-08	RTZ
505	RE-BARREL	9-22-08	RTZ
560	ASSEMBLE	9-22-08	RTZ
600	PROOF	9-22-08	SPD
605	CHECK HEADSPACE	9-22-08	SPD
610	DIS-ASSEMBLE GUN	9-22-08	SPD
612	MAGNAFLUX	9/30/08	(AS)
610	DRILL AND TAP	9-23-08	SP
615	ROLLMARK CALIBER	9/30/08	RT
616	ROTO-BLAST		
620	APPLY COATINGS	10-1	✓
625	FINAL ASSEMBLY	10-7-08	RTZ
640	FUNCTION TEST AND	10-10-08	SPD
650	TARGET	10-10-08	SPD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10-10-08	TC
	A) HEADSPACE	10-22-08	SPD
		10-22-08	SPD
	B) TRIGGER PULL	2.59 2.62 2.61 2.65 2.54	10/16/08 Fm
	C) SAFETY ON FORCE	3.5 3.5 3.0	10-22-08 SPD
	D) SAFETY OFF FORCE	5.0 5.0 5.0	10-22-08 SPD
	E) FIRING PIN INDENT	.021 .021 .020	10-22-08 SPD
690	PACK	10/23/08	Fm

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348721.___0
FILE DATE AND TIME: 10/11/2008 06:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

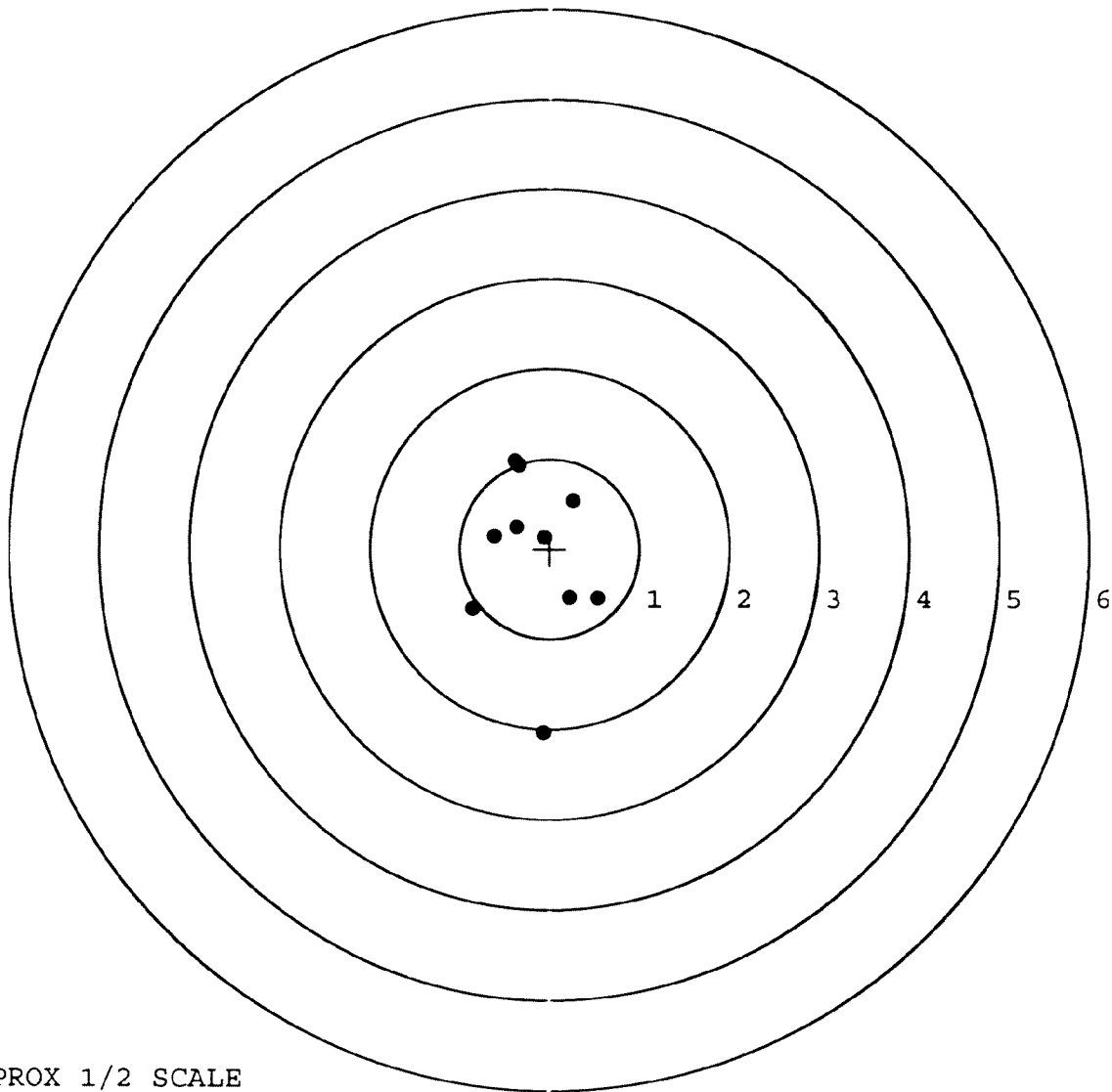
The Average X Centroid of the Five Target Set:	-0.101
The Average Y Centroid of the Five Target Set:	0.027
The Average Point of Impact of the Five Target Set:	0.104
The Average Mean Radius of the Five Target Set:	0.777
The Distance from POA to Centroid Target #1:	0.189
The Distance from Centroid Target #2 to Centroid Target #1:	0.363
The Distance from Centroid Target #3 to Centroid Target #1:	0.065
The Distance from Centroid Target #4 to Centroid Target #1:	0.283
The Distance from Centroid Target #5 to Centroid Target #1:	0.069

BARBER - M24 0062305

SERIAL NUMBER: C6348721. __0
 TARGET NUMBER: 1
 FILE DATE: 10/11/2008
 FILE TIME: 06:55

POINT#	X	Y
1:	-0.342	0.927
2:	-0.392	0.975
3:	-0.619	0.141
4:	-0.371	0.246
5:	-0.060	0.130
6:	0.265	0.537
7:	-0.858	-0.672
8:	0.223	-0.545
9:	0.538	-0.547
10:	-0.071	-2.053

X CENTROID: -0.169
 Y CENTROID: -0.086
 POA TO CENTROID: 0.189
 HORZ SPREAD: 1.396
 VERT SPREAD: 3.028
 GROUP SPREAD: 3.045
 MIN RADIUS: 0.242
 MAX RADIUS: 1.969
 MEAN RADIUS: 0.833
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0062306

SERIAL NUMBER: C6348721. 0

TARGET NUMBER: 2

FILE DATE: 10/11/2008

FILE TIME: 06:55

POINT#	X	Y
1:	0.611	0.671
2:	-0.103	0.582
3:	-0.212	0.401
4:	-0.152	0.263
5:	-0.215	-0.012
6:	-0.486	-0.139
7:	-0.515	-0.742
8:	0.385	-1.820
9:	1.159	3.168
10:	-0.335	-0.093

X CENTROID: 0.014

Y CENTROID: 0.228

POA TO CENTROID: 0.228

HORZ SPREAD: 1.674

VERT SPREAD: 4.988

GROUP SPREAD: 5.048

MIN RADIUS: 0.169

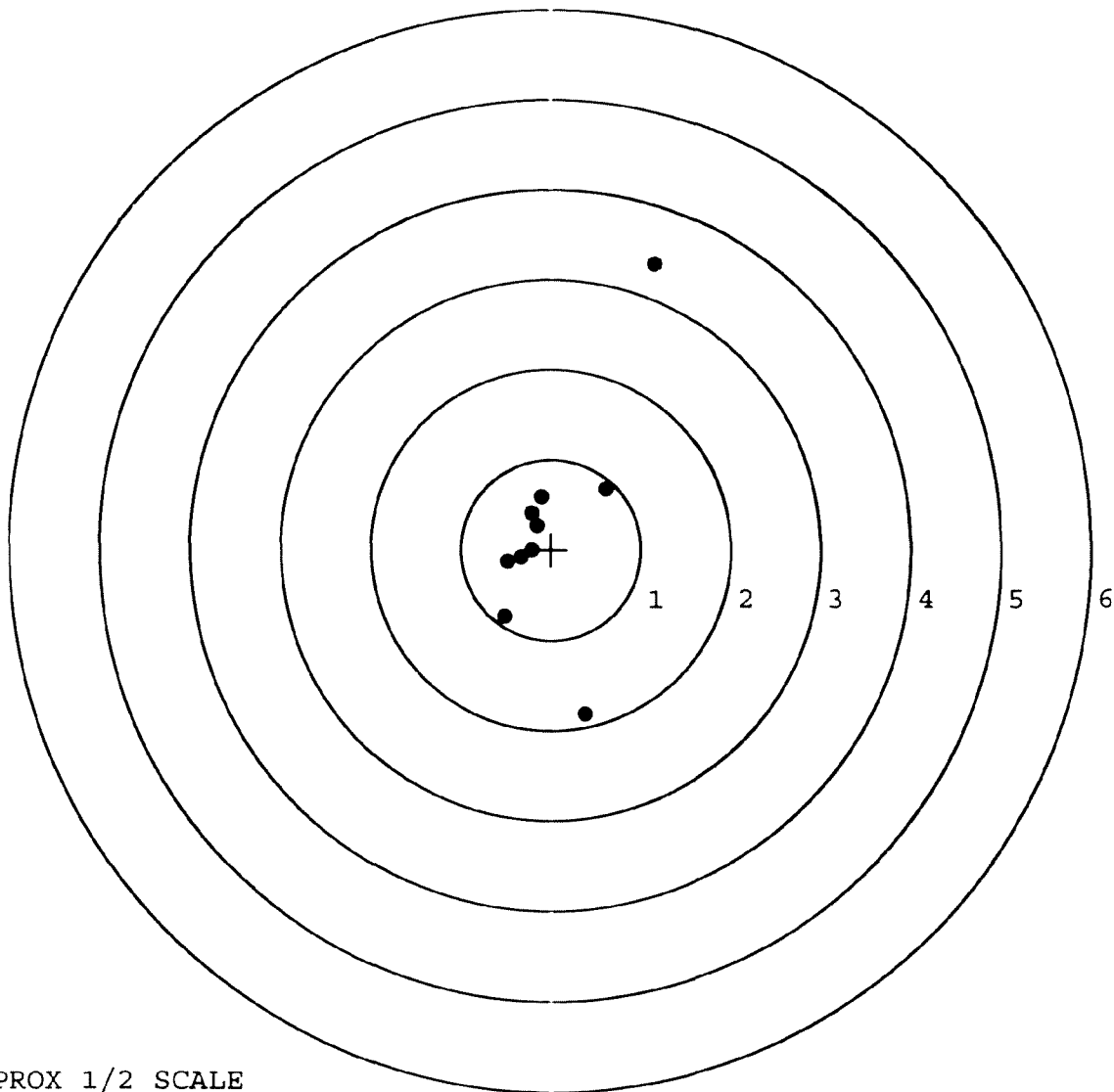
MAX RADIUS: 3.155

MEAN RADIUS: 0.934

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

BARBER - M24 0062307

SERIAL NUMBER: C6348721. __0

TARGET NUMBER: 3

FILE DATE: 10/11/2008

FILE TIME: 06:55

POINT#	X	Y
1:	-1.221	0.882
2:	-0.663	0.627
3:	0.071	0.343
4:	0.406	-0.024
5:	0.287	-0.238
6:	0.075	-0.373
7:	-0.429	-0.400
8:	-0.517	-0.360
9:	0.501	-0.656
10:	0.161	-1.206

X CENTROID: -0.133

Y CENTROID: -0.140

POA TO CENTROID: 0.193

HORZ SPREAD: 1.722

VERT SPREAD: 2.088

GROUP SPREAD: 2.504

MIN RADIUS: 0.312

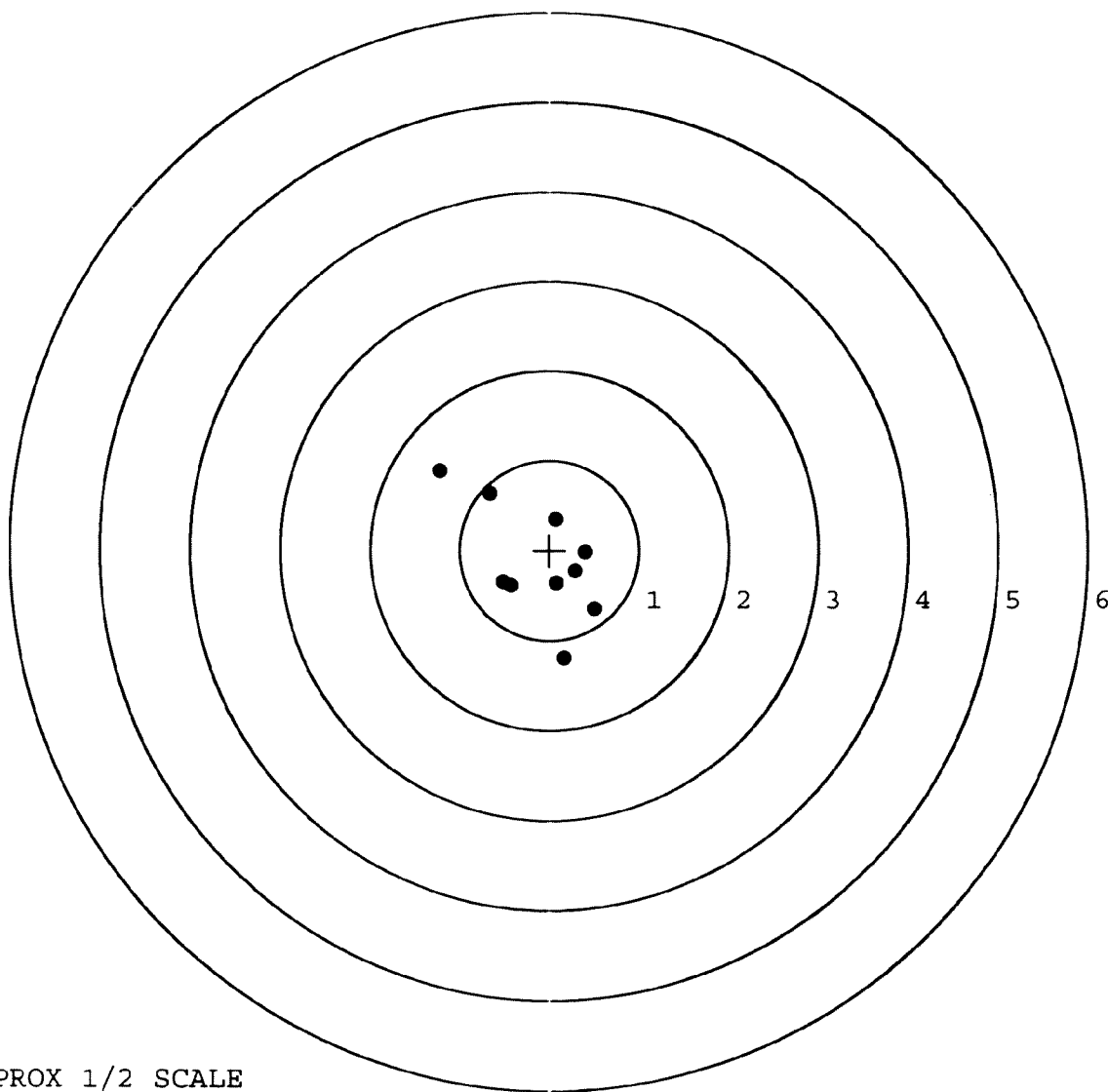
MAX RADIUS: 1.493

MEAN RADIUS: 0.700

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



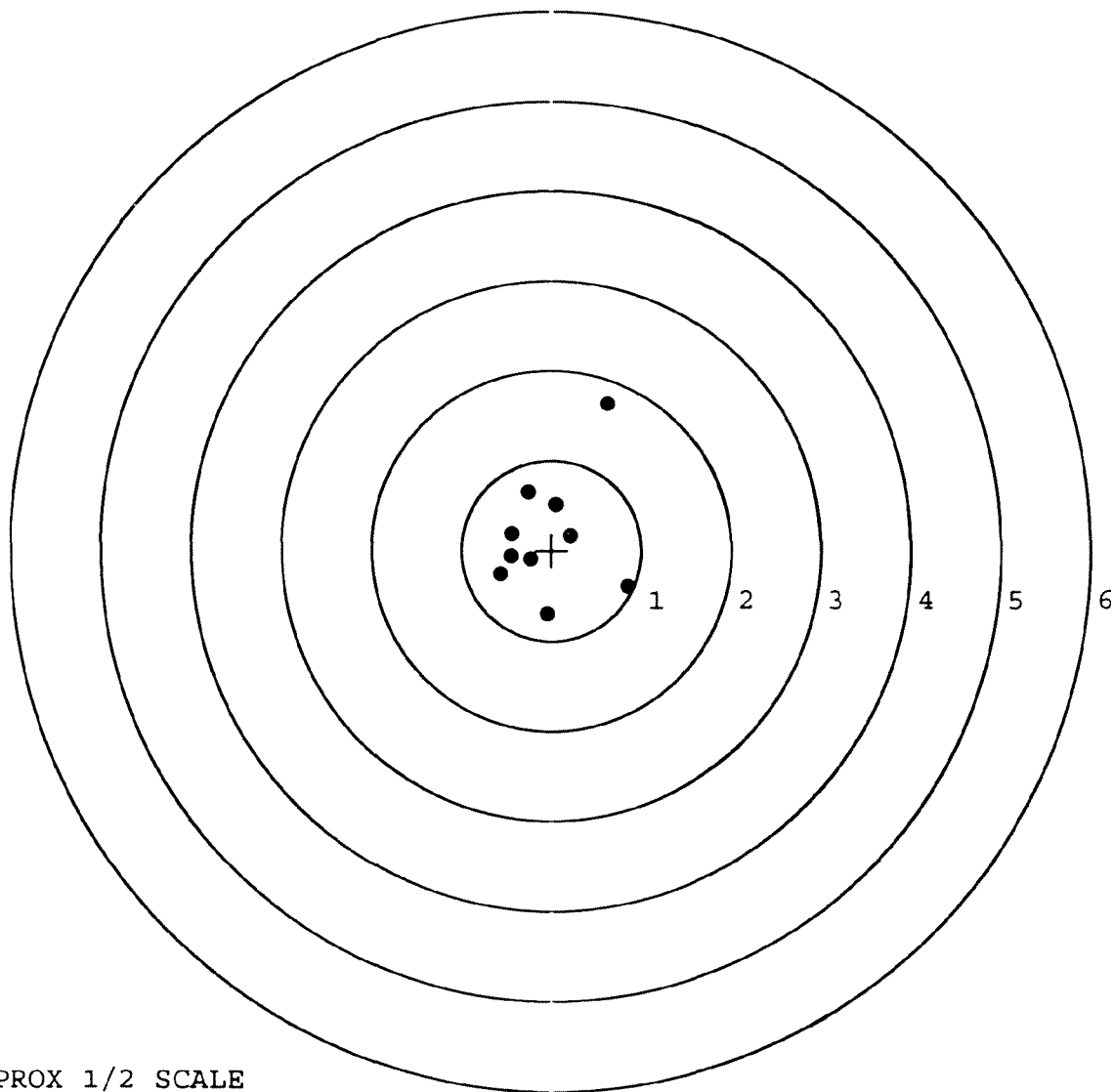
TARGET APPROX 1/2 SCALE

BARBER - M24 0062308

SERIAL NUMBER: C6348721. 0
 TARGET NUMBER: 4
 FILE DATE: 10/11/2008
 FILE TIME: 06:55

POINT#	X	Y
1:	0.629	1.622
2:	-0.257	0.644
3:	0.058	0.505
4:	0.219	0.166
5:	-0.436	0.184
6:	-0.235	-0.103
7:	-0.449	-0.067
8:	-0.567	-0.268
9:	-0.048	-0.713
10:	0.853	-0.403

X CENTROID: -0.023
 Y CENTROID: 0.157
 POA TO CENTROID: 0.158
 HORZ SPREAD: 1.420
 VERT SPREAD: 2.335
 GROUP SPREAD: 2.431
 MIN RADIUS: 0.242
 MAX RADIUS: 1.604
 MEAN RADIUS: 0.657
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9



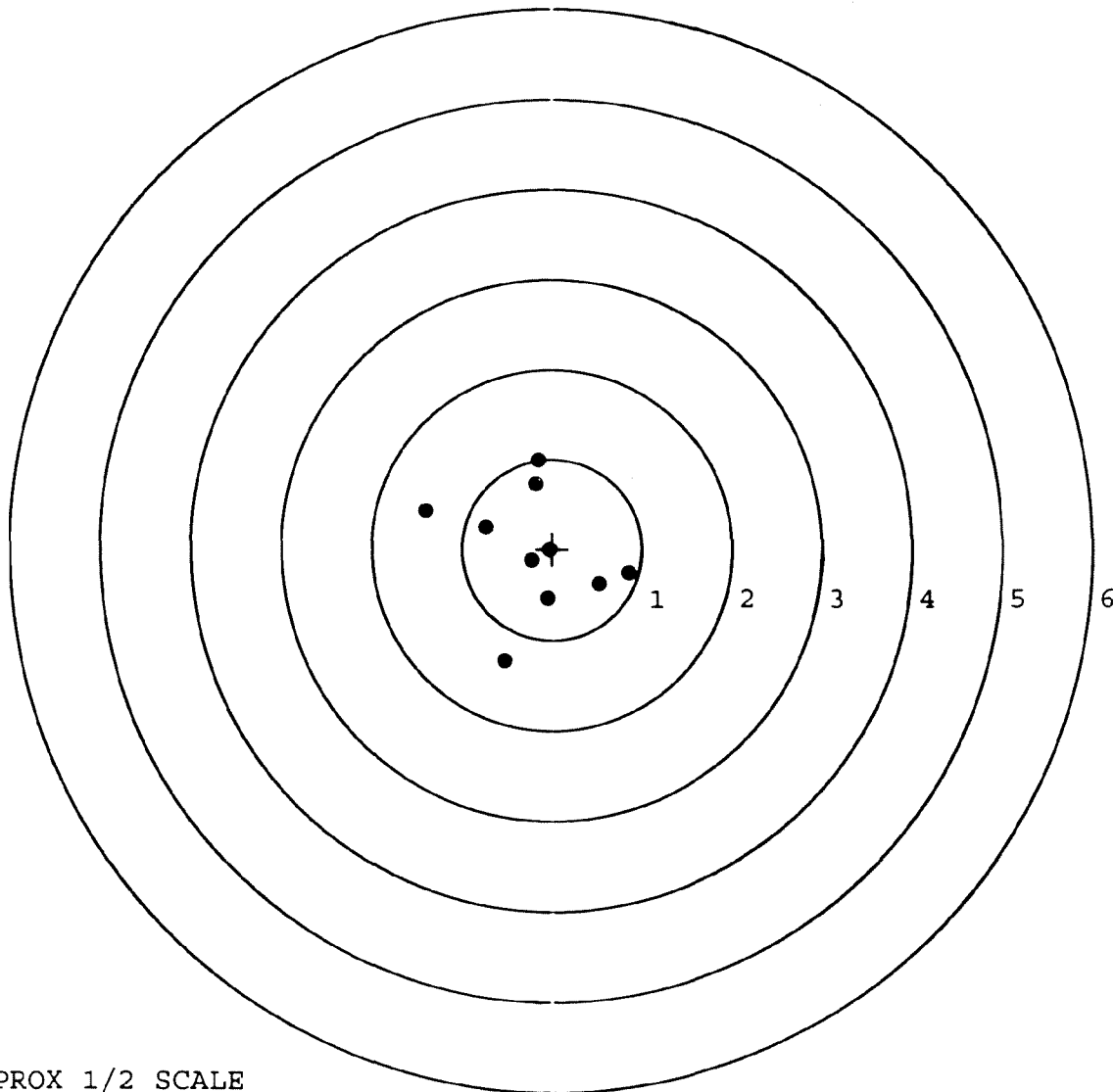
TARGET APPROX 1/2 SCALE

BARBER - M24 0062309

SERIAL NUMBER: C6348721. __0
 TARGET NUMBER: 5
 FILE DATE: 10/11/2008
 FILE TIME: 06:55

POINT#	X	Y
1:	-0.155	0.989
2:	-0.174	0.725
3:	-1.395	0.421
4:	-0.730	0.246
5:	-0.232	-0.130
6:	-0.030	-0.008
7:	-0.049	-0.551
8:	-0.532	-1.240
9:	0.524	-0.389
10:	0.859	-0.273

X CENTROID: -0.191
 Y CENTROID: -0.021
 POA TO CENTROID: 0.193
 HORZ SPREAD: 2.254
 VERT SPREAD: 2.229
 GROUP SPREAD: 2.358
 MIN RADIUS: 0.116
 MAX RADIUS: 1.282
 MEAN RADIUS: 0.762
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

RECEIVING AND ESTIMATING REPORT

BARBER - M24-0062310

COMMENTS

ORDER
R 99-09160

INITIAL CUSTOMER ORDER NO.

SWS 380

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

04/07/99

04/08/99

RJ 11-89

C6348721

700 7.62

M24

ACCESSORIES

W/STUDS

SCOPE BASE

FROM:

SHIP TO:

US ARMY
ATTN: JAMES C STARNES JR
GSC 5TH SFG (A)
FORT CAMPBELL

KY 42223

US ARMY
ATTN: JAMES C STARNES JR
GSC 5TH SFG (A)
FORT CAMPBELL
KY 42223

CUST NO: 208414 C.O.D.L.

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

DOOR

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Barrel
Rear Sight Base
Extractor

96003
96016
91816

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

RW

6-11-99

6-14-99

6-14-99

6-14-99

OFFICE COPY

RD5925 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0062310 0062349

Receipt Of Firearm(s) Delivered to the Plant for Repair
Firearm Checked For Live Ammunition ☒

File # 00380

Delivery Date 4/17/99

Customer Name (Print) US Army, JAMES L STANNS JR.
Address 656 5th Special Forces Group State KY Zip 40223
Phone Number (502)-798-2892 / 7932

Firearm Description Model 700(m24) Cal./ Ga. 762
Serial Number 66348721

Stock/ Fore-end Condition circle the description
(Excellent; Good; Fair; Poor; Fancy; Plain; Synthetic; Wood)

Comments on Stock/ Fore-end condition _____

Metal Condition circle the description

(Excellent; Good; Fair; Poor; Fancy; Plain Stainless Steel)

Comments on Metal condition _____

Barrel Type (VT. Rib; Plain; Deer; Stainless Steel) Barrel length _____

List additional accessories IE Scope, Sling, Gun case and description; _____

Customer request: ReconditioningReturn Process Return to Clark St. Ent. ☐ Return via UPS ☒

By signing this receipt the person delivering the firearm understands to be the only person to receive the firearm upon completion of repairs.

Signature James L Stann Jr. Date 4/17/99
person delivering firearm.

Signature [Signature] Date 4/17/99
security officer

Signature [Signature] Date 4/17/99
arms service / CSR

Customer Pick Up Verification

I certify, I am the same person whom delivered the above described firearm to the Remington Ilion plant for repair and may lawfully possess a firearm in New York State

Signature _____ Date ____/____/____
person receiving firearm must be the same whom delivered

Signature _____ Date ____/____/____
security officer or other witness returning the firearm

Receipt Of Firearm. Doc
Rev. 12/16/98

ARM SERVICE COPY

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0062311 0062350

BARBER - M24 0062312

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348721
21 Jun 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0368
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0506
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0625668

THE AMR FOR THIS RIFLE IS: 1.061

CENTROIDAL DISTANCES

Ø TO	1	.256301
1 TO	2	.581684
1 TO	3	.304199
1 TO	4	.191909
1 TO	5	.336287

2
+4⁵ <----POA
3 1

BARBER - M24 0062313

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

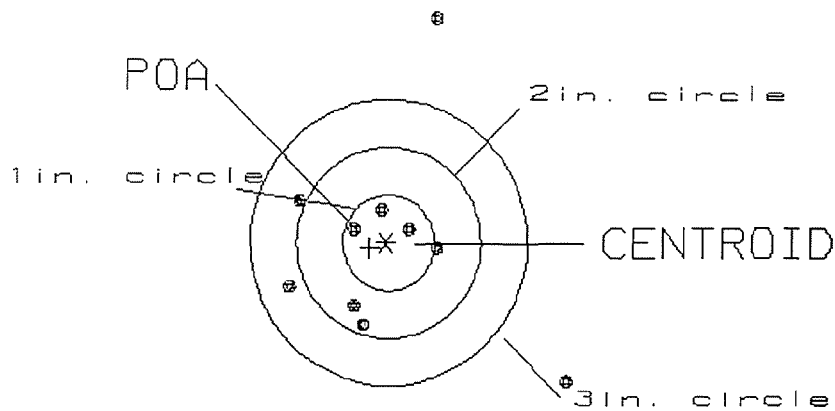
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .185
 MIN RADIUS : .297
 MEAN RADIUS : 1.036
 MAX RADIUS : 2.441
 CENTROID X : .176
 CENTROID Y : .055

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348721

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.03

4

VS= 3.78

6

GS= 4.03

8

BARBER - M24 0062314

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .093

MIN RADIUS : .339

MEAN RADIUS : 1.094

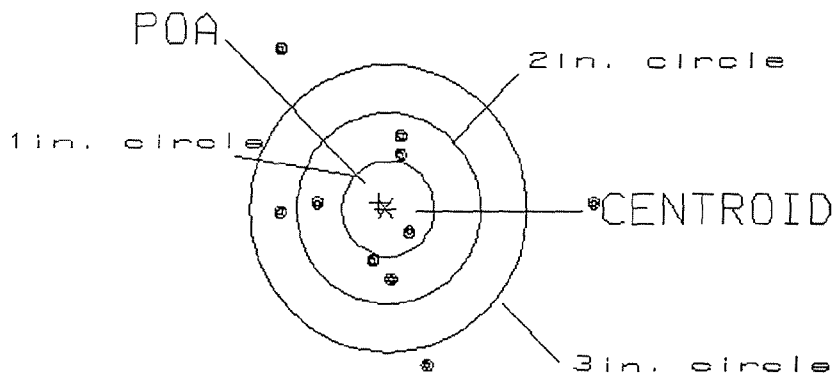
MAX RADIUS : 2.226

CENTROID X : .068

CENTROID Y : -.063

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348721

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 3.41

1

VS= 3.28

6

GS= 3.73

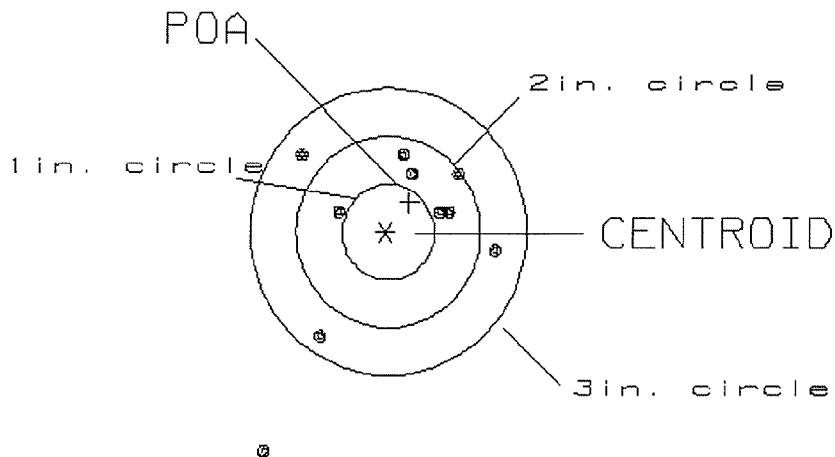
7

PATTERN #: 3
 POA TO CENTROID: .403
 MIN RADIUS : .572
 MEAN RADIUS : 1.053
 MAX RADIUS : 2.601
 CENTROID X : -.258
 CENTROID Y : -.309

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348721

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.43

0

VS= 3.10

6

GS= 3.50

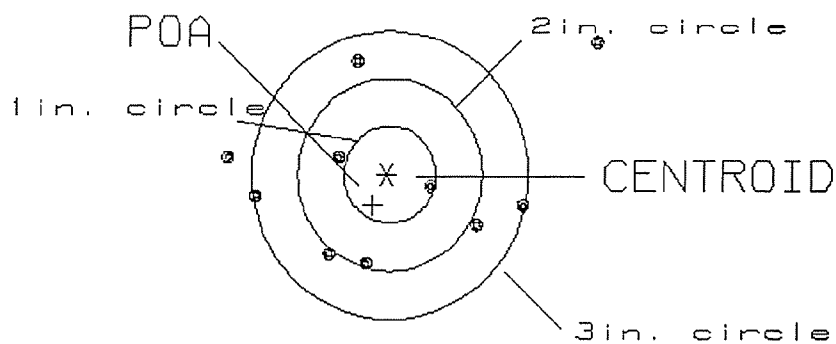
9

PATTERN #: ☐ 4 ☐
POA TO CENTROID: .354
MIN RADIUS : .445
MEAN RADIUS : 1.278
MAX RADIUS : 2.663
CENTROID X : .157
CENTROID Y : .317

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348721

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 4.01

1

VS= 2.35

3

GS= 4.19

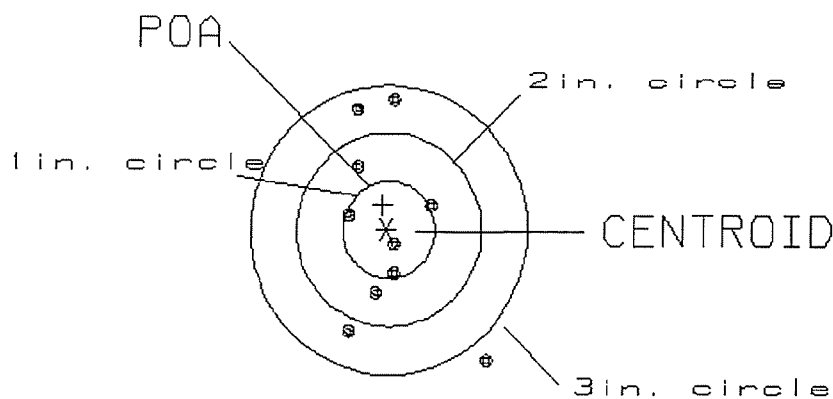
8

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .256
 MIN RADIUS : .137
 MEAN RADIUS : .844
 MAX RADIUS : 1.710
 CENTROID X : .041
 CENTROID Y : -.253

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348721

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.50

3

VS= 2.69

6

GS= 2.93

9

Remington®

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

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

MODEL 700™ H24

SERIAL NO.
C6348721

ORDER NO.

5716

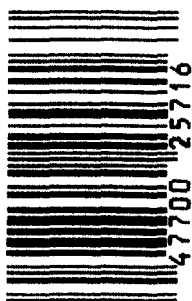
01

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



5716 C6348721

UPC



0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348721

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A.C.
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	NEW BARREL 10/30/89 Magnaflux Barrel Action	REJECT	10/13/89	KCR
	Magnaflux Bolt		10/13/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

BARBER - M24 0062320

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force			
	G) Safety Off Force			
	H) Trigger Pull Test & Retainability			
	I) Firing Pin Indent			
	J) Assemble Stock			
	K) Assemble Swivel Studs			
	L) Attach Front and Rear Sight Assemblies			
	M) Iron Sight Alignment			
	N) Detach Front & Rear Sights & place in numbered container			
	O) Attach Scope to Rifle			
	P) Detach & Attach Scope 20 Times			
640.	Gallery Target & Test			
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clarity of Scope			
645	Inspect for Live Ammo			
655	Final Inspection			
	A) Headspace			
	B) Trigger Pull			
	C) Function			
660	Pack			

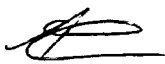
CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C6348721*

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	<i>11-2</i>	<i>89</i>	<i>Rw</i>
600	Proof	<i>11-2</i>	<i>89</i>	<i>A</i>
607	Check Headspace	<i>11-2</i>	<i>89</i>	<i>Rw</i>
610	Dis-assemble Gun	<i>11-2</i>	<i>89</i>	<i>Rw</i>
612	Magnaflux Barrel Action	<i>11-9-89</i>		<i>KCR</i>
	Magnaflux Bolt	<i>11-9-89</i>		<i>KCR</i>
615	Rollmark Caliber	<i>11-9-89</i>	<i>B</i>	<i>GS</i>
<i>.7</i>	Drill and Tap Sight Holes	<i>11 9</i>	<i>89</i>	<i>YB</i>
618	Polish Barrel <i>RB</i>	<i>11 9</i>	<i>89</i>	<i>BT</i>
620	Apply Coatings (Barrel Action)		<i>11-17-89</i>	<i>JA</i>
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		<i>1/8/90</i>	<i>Rw</i>
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		<i>1/8/90</i>	<i>Rw</i>
	C) Inspect Ejector Hole for Chamfer		<i>1/8/90</i>	<i>Rw</i>
	D) Oil Firing Pin Ass'y		<i>1/8/90</i>	<i>Rw</i>
	E) Adjust Trigger Pull to Min Setting and Stake		<i>10/12/90</i>	<i>JS</i>

BARBER - M24 0062322

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1-10-90	JK
	G) Safety Off Force	3	3	3			1-10-90	JK
	H) Trigger Pull Test & Retainability						10/11/90	JS
	I) Firing Pin Indent	10205	.020	.0205			1-10-90	JK
	J) Assemble Stock						1/10/90	RW
	K) Assemble Swivel Studs						3/13/90	WB
	L) Attach Front and Rear Sight Assemblies						1-26-90	A
	M) Iron Sight Alignment						1-26-90	A
	N) Detach Front & Rear Sights & place in numbered container						1-26-90	A
	O) Attach Scope to Rifle						3/2/90	RW
640	P) Detach & Attach Scope 20 Times						3/2/90	RW
	Gallery Target & Test						3-5-90	JS Temp. Help
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
645	D) Optical Clarity of Scope							
	Inspect for Live Ammo							
655	Final Inspection						3/13/90	WB
	A) Headspace							
	B) Trigger Pull	2.58	2.51	2.50	2.62	2.64	3/13/90	WB
660	C) Function						3/13/90	WB
	Pack						19 MAR 90	JS

BOLT Hits Stock
SAFETY Hits Stock
repaired
3-14-90


07/90

DUPONT

ING ORDER

SSN L/A

PC/HR

NOTES: 1 OF 3

11111

65

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6348721

DATE 10 Jan 90

TESTER JJ2

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.48	2.49	2.58	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.39	2.45	2.51	
PULL #3	2.43	2.42	2.35	2.50	
PULL #4	2.52	2.46	2.45	2.62	
PULL #5	2.50	2.40	2.50	2.64	
TOTAL	12.31	12.15	12.24		
AVG.	2.462	2.43	2.448		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.15		
PULL #2	3.27	3.18		
PULL #3	3.23	3.21		
PULL #4	3.23	3.21		
PULL #5	3.33	3.22		
TOTAL	16.27	15.97		
AVG.	3.254	3.194		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.29		4.24
PULL #2	4.29	4.28		3.91
PULL #3	4.30	4.28		3.90
PULL #4	4.28	4.34		3.89
PULL #5	4.26	4.27		3.91
TOTAL	21.45	21.46		19.85
AVG.	4.29	4.292		3.97

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348721
5 Mar 1998

CENTROIDAL DISTANCES

0 TO 1	.313249
1 TO 2	.0799312
1 TO 3	.410122
1 TO 4	.558982
1 TO 5	.895237

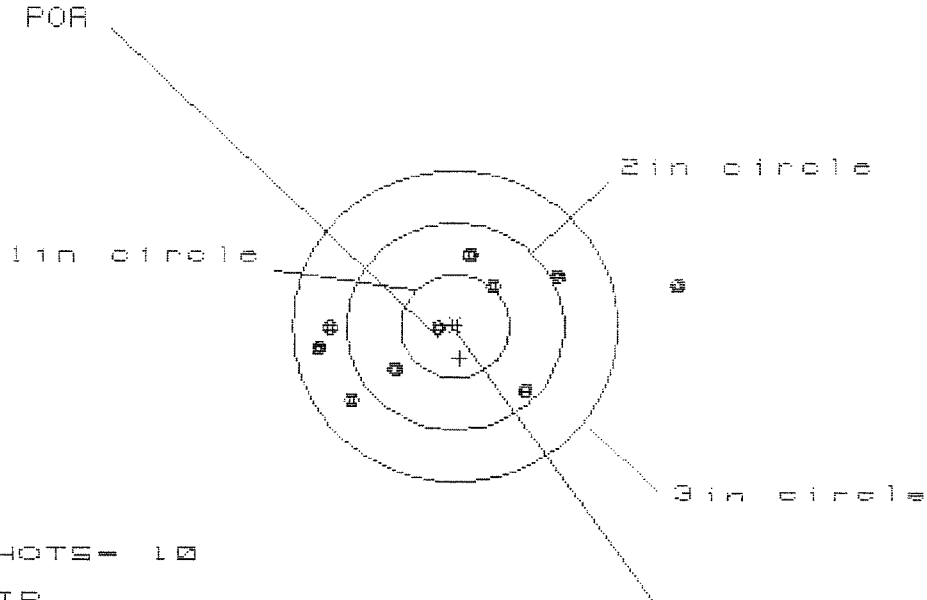
$\frac{3}{4}$ $\frac{1}{5}$ <----POA
S

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2214
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0132
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .221793
THE AMR FOR THIS RIFLE IS: .9724

5 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06348721

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 3.225

VS = 1.380

GS = 3.282

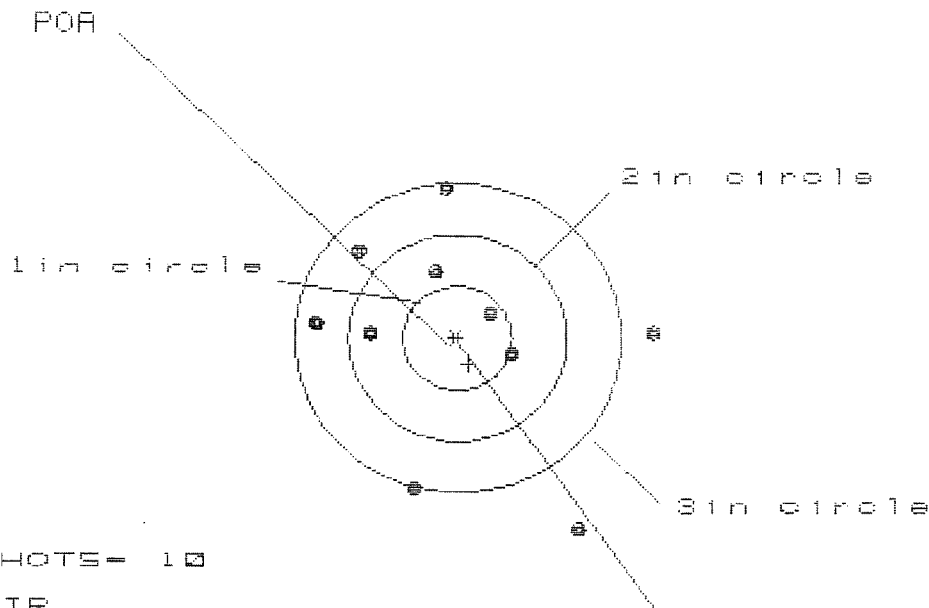
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.000	1.152	1.026
MINIMUM X	-1.225	-1.003	-1.092
MAXIMUM Y	.694	.738	.717
MINIMUM Y	-.686	-.642	-.663
CENTROID X	-.045	-.268	-.142
CENTROID Y	.310	.266	.287
FOR TO CENTROID in.	.314	.377	.320
MIN RADIUS	.142	.090	.049
MEAN RADIUS	.962	.817	.781
MAX RADIUS	2.039	1.277	1.156
HORIZONTAL SPREAD	3.225	2.155	2.118
VERTICAL SPREAD	1.380	1.330	1.380
EXTREME SPREAD	4.202	2.271	2.210
NUMBER OF SHOTS IN 1 IN	1	5	9
NUMBER OF SHOTS IN 2 IN	5	9	9
NUMBER OF SHOTS IN 3 IN	9	9	9

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 7

HS = 3.072

VS = 3.332

QS = 3.516

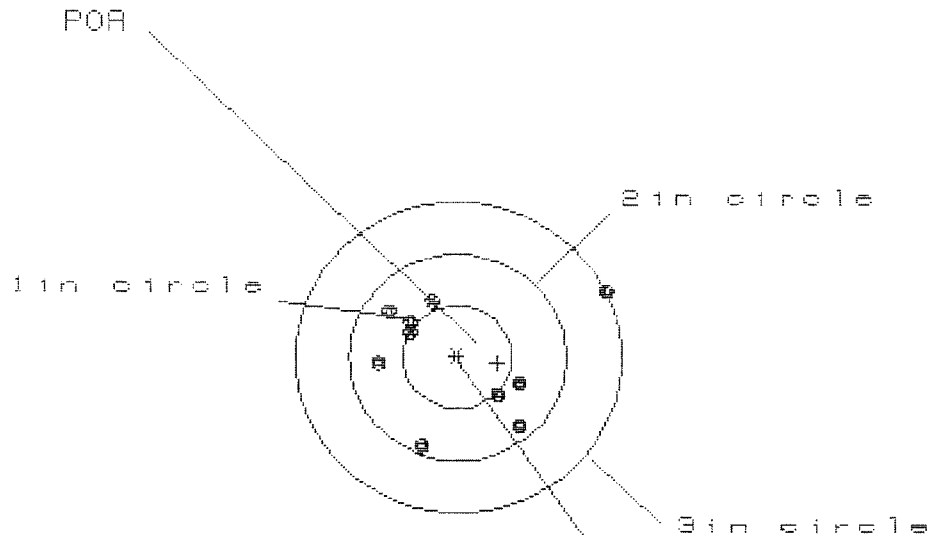
CENTROID *

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.815
MINIMUM X	-1.257
MAXIMUM Y	1.471
MINIMUM Y	-1.861
CENTROID X	-.100
CENTROID Y	.252
POA TO CENTROID in.	.271
MIN RADIUS	.378
MEAN RADIUS	1.187
MAX RADIUS	2.140
HORIZONTAL SPREAD	3.072
VERTICAL SPREAD	3.332
EXTREME SPREAD	3.516
NUMBER IN ONE	1
NUMBER IN TWO	4
NUMBER IN THREE	7

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 9

3in = 10

HS= 2.064

VS= 1.474

GS= 2.213

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.321
MINIMUM X	-.743
MAXIMUM Y	.631
MINIMUM Y	-.843
CENTROID X	-.367
CENTROID Y	.056
POA TO CENTROID in.	.371
MIN RADIUS	.470
MEAN RADIUS	.745
MAX RADIUS	1.464
HORIZONTAL SPREAD	2.064
VERTICAL SPREAD	1.474
EXTREME SPREAD	2.213
NUMBER OF SHOTS IN 1 IN CIRCLE	1
NUMBER OF SHOTS IN 2 IN CIRCLE	9
NUMBER OF SHOTS IN 3 IN CIRCLE	10

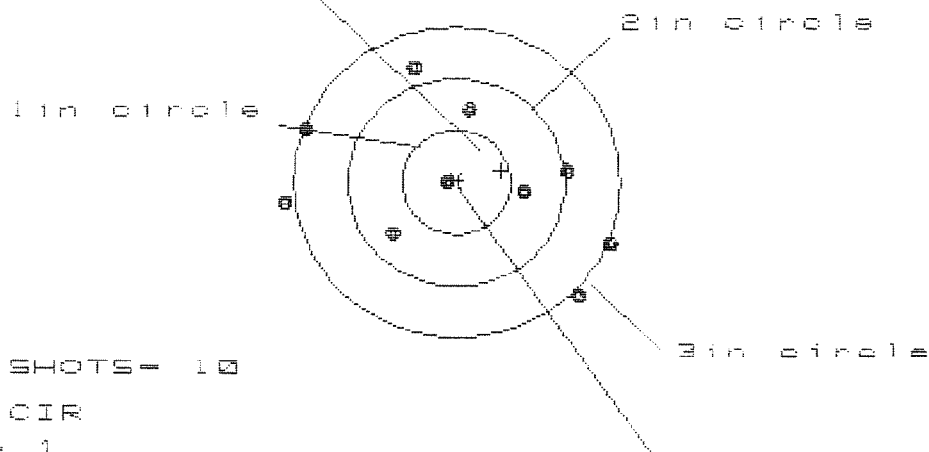
5 Mar 1998

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CENTERFIRE PATTERNS

4

FOR



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 6

HS= 3.014

VS= 2.204

GS= 3.040

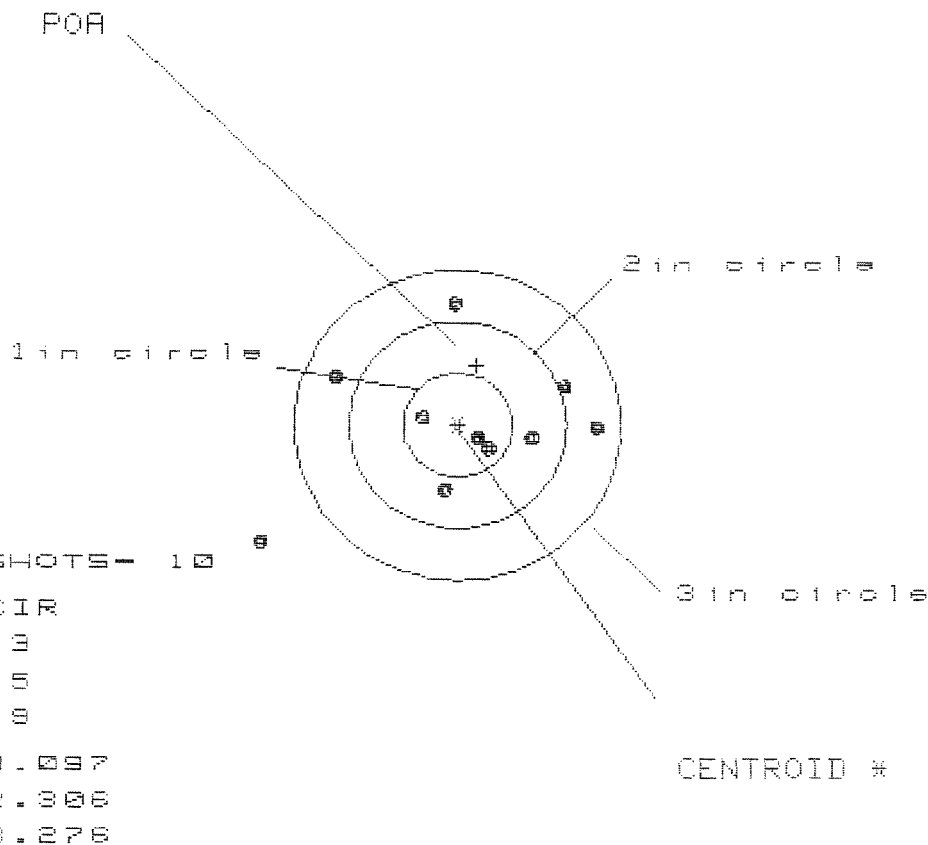
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.380	1.198	1.312
MINIMUM X	-1.634	-1.611	-1.497
MAXIMUM Y	1.111	1.090	.950
MINIMUM Y	-1.093	-1.114	-.751
CENTROID X	-.415	-.233	-.347
CENTROID Y	-.109	-.088	.052
POA TO CENTROID in.	.429	.249	.351
MIN RADIUS	.105	.288	.244
MEAN RADIUS	1.055	.980	.912
MAX RADIUS	1.646	1.673	1.530
HORIZONTAL SPREAD	3.014	2.809	2.809
VERTICAL SPREAD	2.204	2.204	1.701
EXTREME SPREAD	3.040	3.004	3.004
Number of shots in 1in circle	1		
Number of shots in 2in circle	5		
Number of shots in 3in circle	6		

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CENTERFIRE PATTERNS # 5



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.285	1.084	.884
MINIMUM X	:	-1.812	-1.364	-1.229
MAXIMUM Y	:	1.214	1.093	1.075
MINIMUM Y	:	-1.092	-.725	-.743
CENTROID X	:	-.180	.021	-.114
CENTROID Y	:	-.575	-.454	-.436
POA TO CENTROID in.	:	.603	.454	.451
MIN RADIUS	:	.212	.233	.275
MEAN RADIUS	:	.913	.762	.725
MAX RADIUS	:	2.115	1.417	1.282
HORIZONTAL SPREAD	:	3.097	2.448	2.113
VERTICAL SPREAD	:	2.306	1.818	1.818
EXTREME SPREAD	:	3.276	2.504	2.116
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	