

C6349209

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: **RE00112532** Serial: C6349209 Model M24 SWS Center Fire
 Verify Repair: ☐ Caliber: 7.62 NATO Produced: 03/19/1990 Repairman:
 Status: Closed 5/18/2006 9:46:50 AM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: 225TH BSB (SSA) 225TH BSB (SSA)
 Address 1: ATTN CW3 FUJIHARA (808-655-0211) ATTN CW3 FUJIHARA (808-655-0211)
 Address 2: BLDG 1670 MELICHAMP ST. PO Box: BLDG 1670 MELICHAMP ST. PO Box:
 City: SCHOFIELD BARRACKS SCHOFIELD BARRACKS
 State: HI Zip Code: 96857 Country: US State: HI Zip Code: 96857 Country: US
 FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: NA
 Fax:
 Email:
 Comments:

Received Condition

Fair
 Condition Notes:
 CSR Notes:

Accessories Received

Code	Desc	Qty
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

naql 5/23/2006 7:21 AM CAPS NUM INS SCRL

start 2 Micr... Microsof... 2 Inter... Part Sea... Arms Se... 7:21 AM

Serial Number: **C6349209**
 Model: **M24 SWS**

RE00112532

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349209.___0

FILE DATE AND TIME: 11/13/2006 23:37

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.047
The Average Y Centroid of the Five Target Set:	-0.103
The Average Point of Impact of the Five Target Set:	0.113
The Average Mean Radius of the Five Target Set:	0.753
The Distance from POA to Centroid Target #1:	0.140
The Distance from Centroid Target #2 to Centroid Target #1:	0.282
The Distance from Centroid Target #3 to Centroid Target #1:	0.336
The Distance from Centroid Target #4 to Centroid Target #1:	0.014
The Distance from Centroid Target #5 to Centroid Target #1:	0.232

BARBER - M24 0110221

SERIAL NUMBER: C6349209. __0

TARGET NUMBER: 1

FILE DATE: 11/13/2006

FILE TIME: 23:37

POINT#	X	Y
1:	-1.456	0.132
2:	-0.516	0.580
3:	-0.119	-0.302
4:	-0.573	-0.603
5:	0.650	0.361
6:	0.981	0.747
7:	0.758	-0.099
8:	0.876	-0.975
9:	-0.289	-1.568
10:	0.394	0.518

X CENTROID: 0.071

Y CENTROID: -0.121

POA TO CENTROID: 0.140

HORZ SPREAD: 2.437

VERT SPREAD: 2.315

GROUP SPREAD: 2.581

MIN RADIUS: 0.262

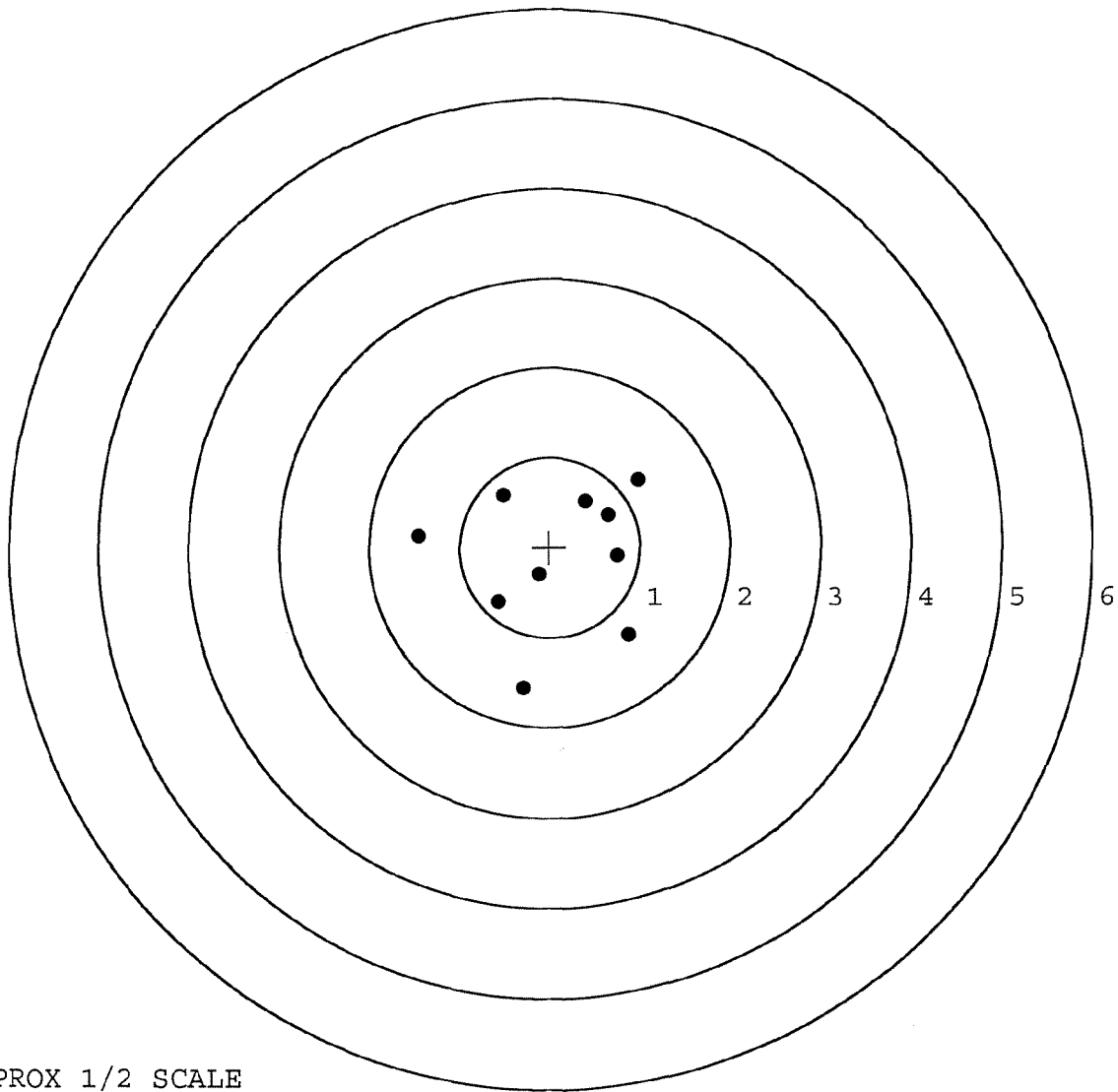
MAX RADIUS: 1.547

MEAN RADIUS: 0.961

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



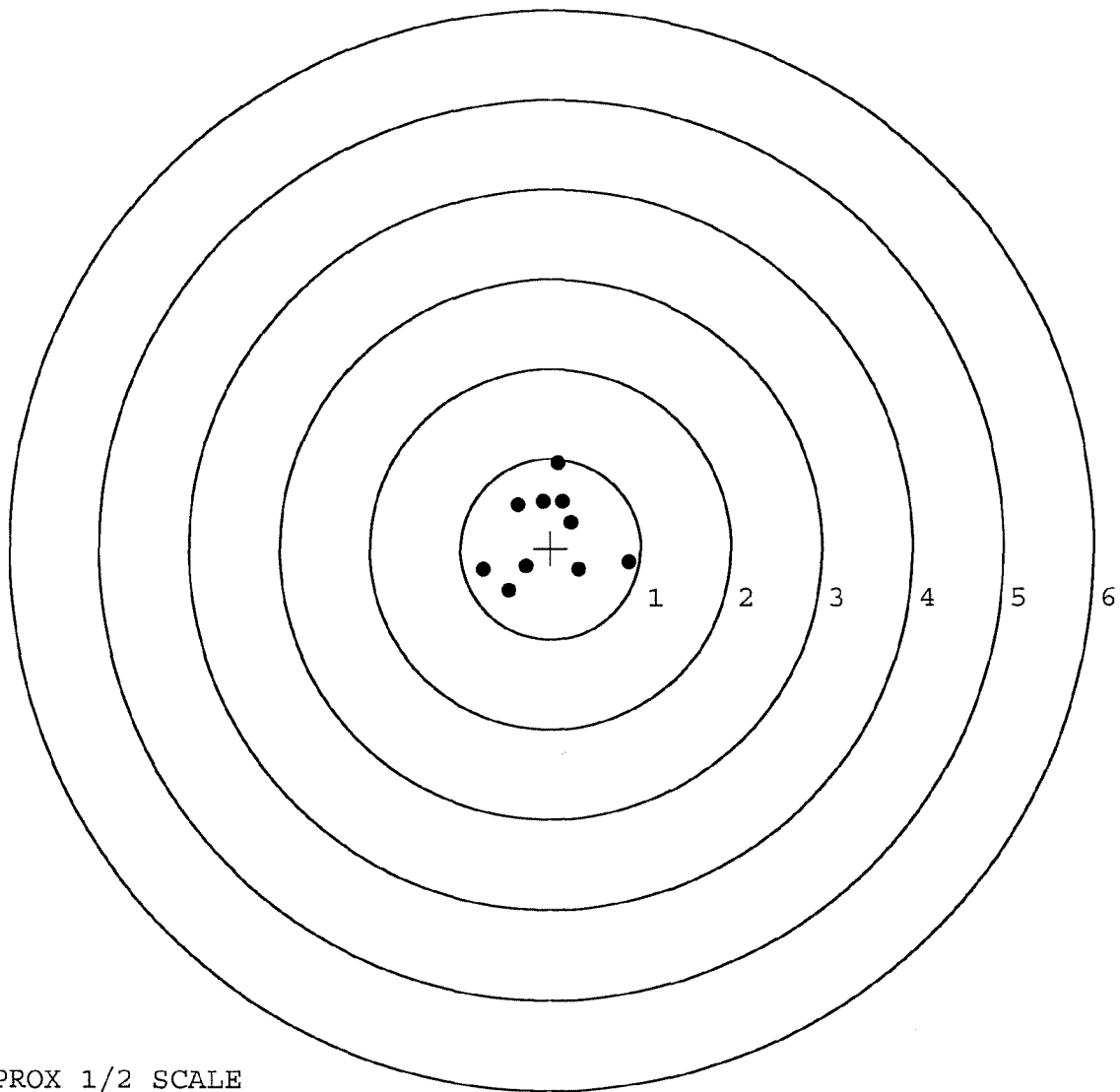
TARGET APPROX 1/2 SCALE

BARBER - M24 0110222

SERIAL NUMBER: C6349209. __0
 TARGET NUMBER: 2
 FILE DATE: 11/13/2006
 FILE TIME: 23:37

POINT#	X	Y
1:	-0.360	0.485
2:	-0.082	0.515
3:	0.136	0.517
4:	0.229	0.293
5:	0.093	0.948
6:	0.318	-0.238
7:	0.876	-0.166
8:	-0.268	-0.204
9:	-0.462	-0.473
10:	-0.748	-0.236

X CENTROID: -0.027
 Y CENTROID: 0.144
 POA TO CENTROID: 0.147
 HORZ SPREAD: 1.624
 VERT SPREAD: 1.421
 GROUP SPREAD: 1.626
 MIN RADIUS: 0.296
 MAX RADIUS: 0.955
 MEAN RADIUS: 0.583
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



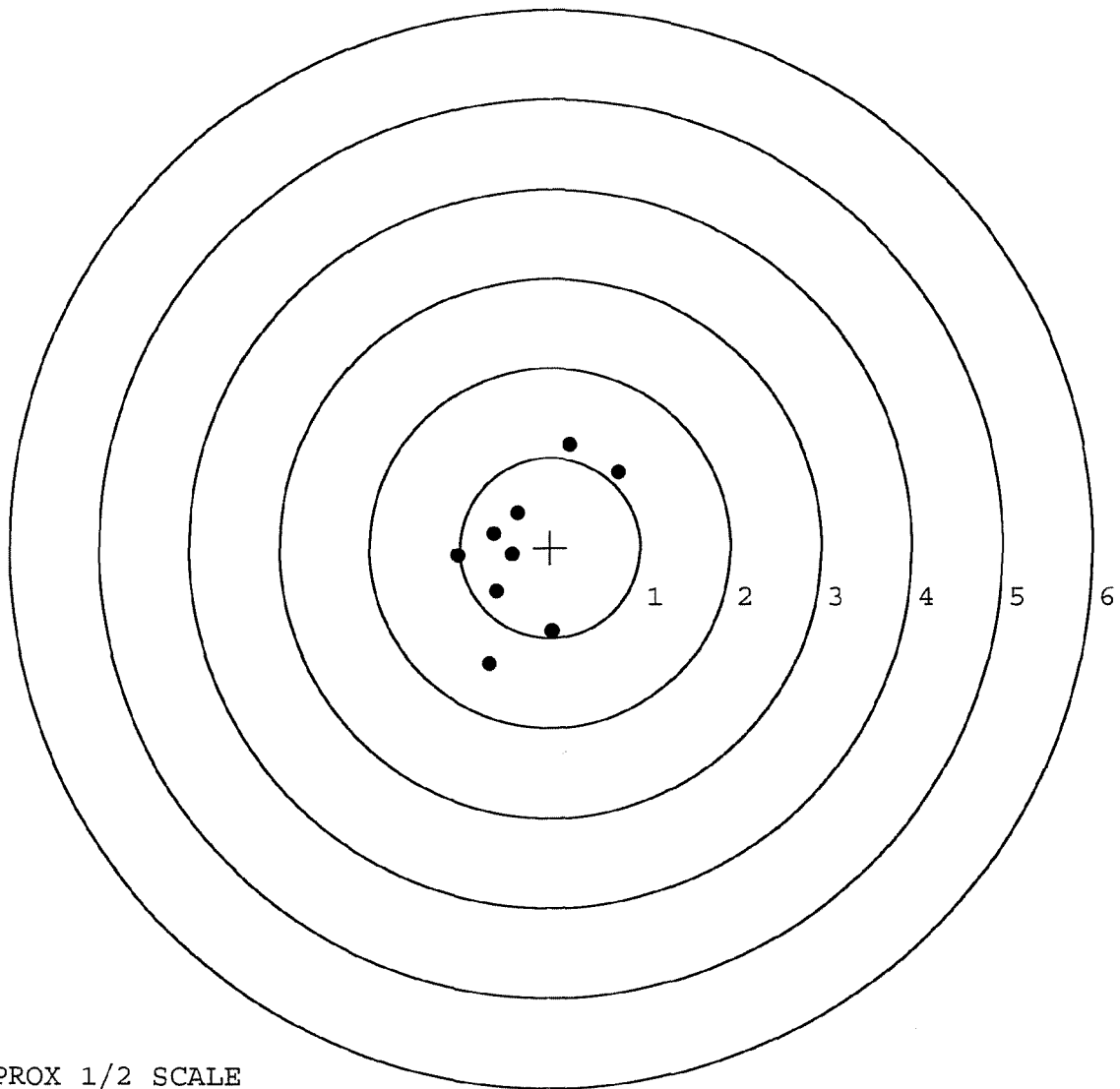
TARGET APPROX 1/2 SCALE

BARBER - M24 0110223

SERIAL NUMBER: C6349209. __0
 TARGET NUMBER: 3
 FILE DATE: 11/13/2006
 FILE TIME: 23:37

POINT#	X	Y
1:	0.225	1.146
2:	0.766	0.839
3:	-0.364	0.385
4:	-0.627	0.155
5:	-1.025	-0.091
6:	-0.414	-0.079
7:	-0.595	-0.493
8:	-0.668	-1.294
9:	0.028	-0.940
10:	0.026	-0.940

X CENTROID: -0.265
 Y CENTROID: -0.131
 POA TO CENTROID: 0.296
 HORZ SPREAD: 1.791
 VERT SPREAD: 2.440
 GROUP SPREAD: 2.570
 MIN RADIUS: 0.158
 MAX RADIUS: 1.416
 MEAN RADIUS: 0.813
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349209. __0

TARGET NUMBER: 4

FILE DATE: 11/13/2006

FILE TIME: 23:37

POINT#	X	Y
1:	0.240	0.734
2:	0.730	0.650
3:	0.277	0.217
4:	0.429	0.034
5:	0.365	-0.396
6:	0.633	-0.885
7:	-0.121	-0.470
8:	-0.518	-0.597
9:	-0.615	-0.693
10:	-0.581	0.145

X CENTROID: 0.084

Y CENTROID: -0.126

POA TO CENTROID: 0.151

HORZ SPREAD: 1.345

VERT SPREAD: 1.619

GROUP SPREAD: 1.901

MIN RADIUS: 0.380

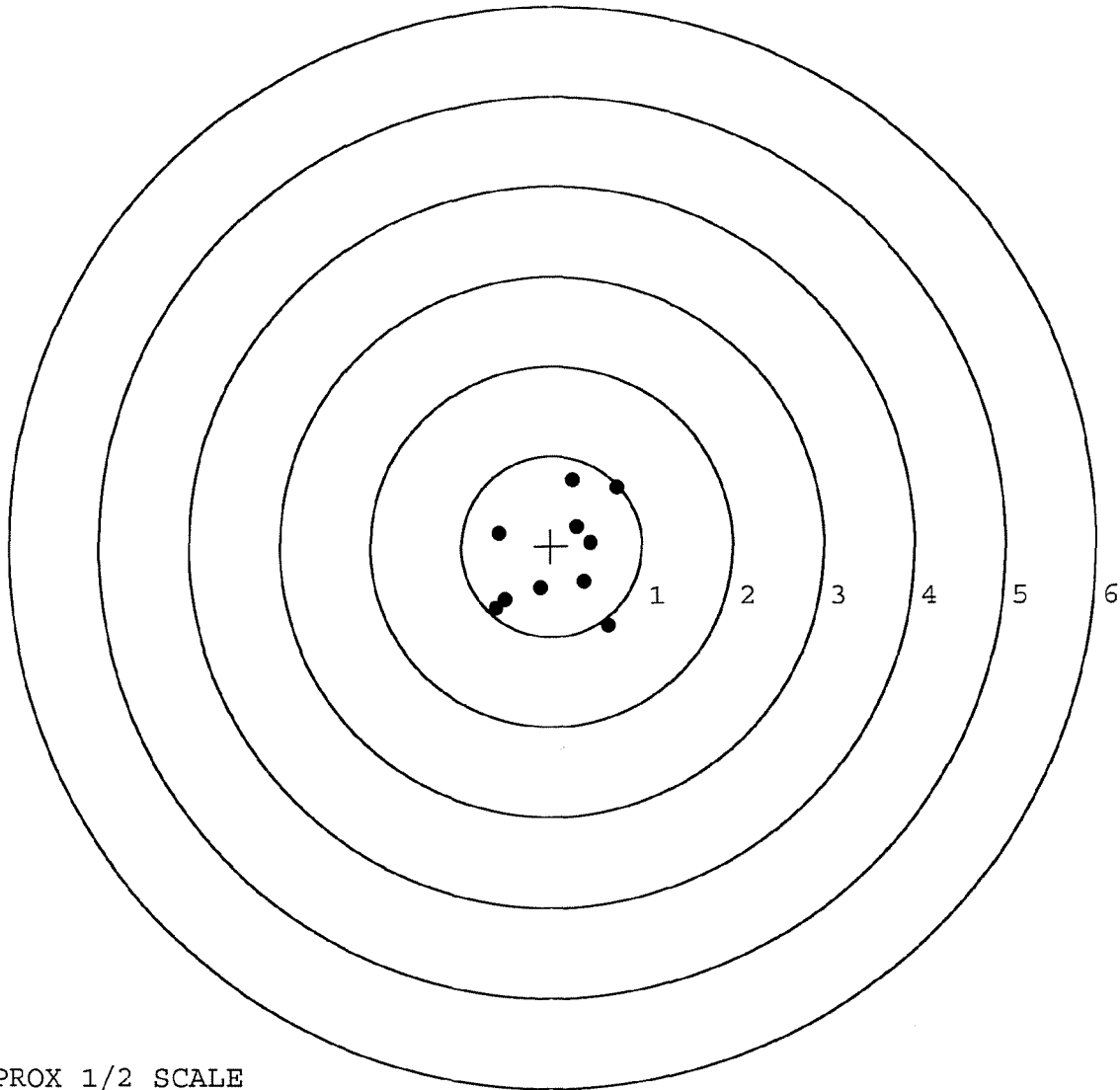
MAX RADIUS: 1.010

MEAN RADIUS: 0.677

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



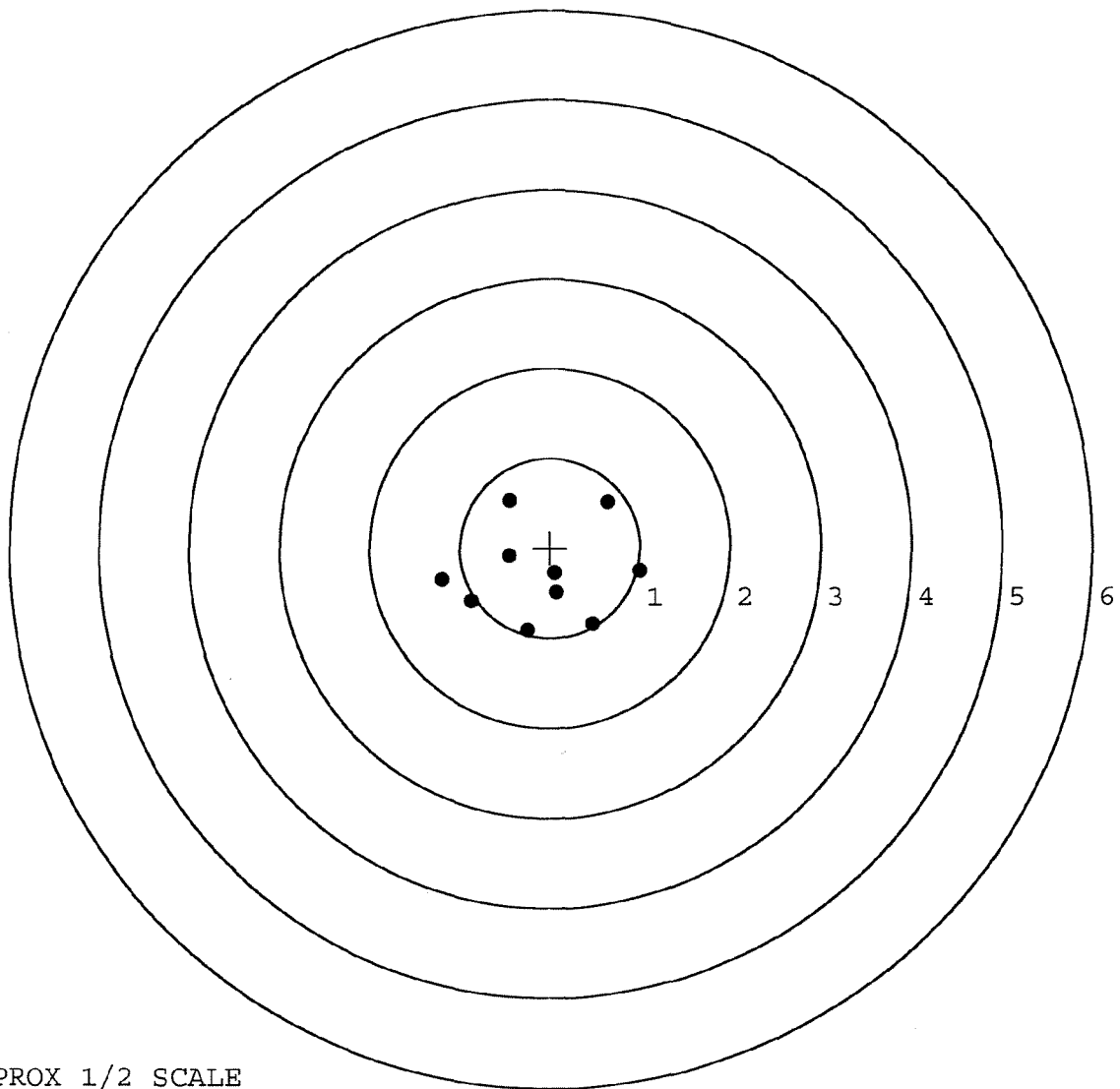
TARGET APPROX 1/2 SCALE

BARBER - M24 0110225

SERIAL NUMBER: C6349209. __0
 TARGET NUMBER: 5
 FILE DATE: 11/13/2006
 FILE TIME: 23:37

POINT#	X	Y
1:	-0.450	0.527
2:	0.646	0.510
3:	1.001	-0.263
4:	0.077	-0.501
5:	0.054	-0.281
6:	-0.453	-0.089
7:	-1.199	-0.359
8:	-0.875	-0.587
9:	-0.250	-0.924
10:	0.479	-0.848

X CENTROID: -0.097
 Y CENTROID: -0.282
 POA TO CENTROID: 0.298
 HORZ SPREAD: 2.200
 VERT SPREAD: 1.451
 GROUP SPREAD: 2.202
 MIN RADIUS: 0.151
 MAX RADIUS: 1.105
 MEAN RADIUS: 0.731
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	112532			
SERIAL NUMBER	C6349209			A-2
LOG-IN DATE	5-18-06			
OPERATION #	OPERATION NAME	DATE	INITIAL	
500	DIS-ASSEMBLE GUN	5-23-06	RTZ	
505	RE-BARREL	5-26-06	RTZ	
560	ASSEMBLE	5-30-06	RTZ	
600	PROOF			
605	CHECK HEADSPACE			
610	DIS-ASSEMBLE GUN	6-1-06	RTZ	
612	MAGNAFLUX	6-2-06	APD	
510	DRILL AND TAP	6-1-06	TRW	
615	ROLLMARK CALIBER	6-2-06	CW	
618	ROTO-BLAST	6-2-06	LB	
620	APPLY COATINGS	6-5-06	TB	
625	FINAL ASSEMBLY	11-11-06	RTZ	
640	FUNCTION TEST AND	PASS FAIL	11-13-06 TRW	
650	TARGET	PASS FAIL	11-13-06 TRW	
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-13-06 SJS	
	A) HEADSPACE	PASS FAIL	11-14-06 RTZ	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	284 289 283 288 291 11-14-06 RTZ	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6° 6° 6° 11-14-06 RTZ	
	G) SAFETY OFF FORCE	2 LBS MIN	2° 2° 2° 11-14-06 RTZ	
	I) FIRING PIN INDENT	.020	.024 .024 .024 11-14-06 RTZ	
690	PACK		11-15-06 RTZ	

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

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

MODEL 700™ M24

SERIAL NO.
C6349209

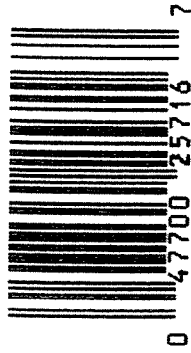
ORDER NO.
5716

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

01

5716 C6349209

LPC



GUN SERIAL # C6349209

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	12-20 89	RW
600	Proof		12-20 89	A
607	Check Headspace		12-20 89	A
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action		1-5-90	KER
	Magnaflux Bolt		1-5-90	
615	Rollmark Caliber		1/31/90	JS
617	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel RB		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-5-90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/17/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/17/90	RW
	C) Inspect Ejector Hole for Chamfer		1/17/90	RW
	D) Oil Firing Pin Ass'y		1/17/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/6/90	JS

BARBER - M24 0110229

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1-26-90	JS
	G) Safety Off Force	3	3	3			1-26-90	JS
	H) Trigger Pull Test & Retainability						2/10/90	JS
	I) Firing Pin Indent	.0225	.022	.022			1-26-90	JS
	J) Assemble Stock						1/29/90	LW
	K) Assemble Swivel Studs						3/13/90	WB
	L) Attach Front and Rear Sight Assemblies						1/29/90	LW
	M) Iron Sight Alignment						1/29/90	LW
	N) Detach Front & Rear Sights & place in numbered container						1/29/90	LW
	O) Attach Scope to Rifle						2/21/90	WB
	P) Detach & Attach Scope 20 Times						2/21/90	WB
640	Gallery Target & Test						2-28-90	J.S. TEMPORARY HELP
	A) Time							"
	B) Malfunctions							"
	C) Pierced Primers							"
	D) Optical Clarity of Scope							"
645	Inspect for Live Ammo							"
655	Final Inspection						3/13/90	WB
	A) Headspace							
	B) Trigger Pull	2.27	2.53	2.46	2.21	2.38	3/13/90	GS
	C) Function						3/13/90	WB
660	Pack						20 Mar 90	JS

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

SERIAL NO. C6349209
DATE 26 Jan 90
TESTER JGS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	220	204	224	222	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	239	231	229	253	
PULL #3	238	221	230	246	
PULL #4	269	235	221	221	
PULL #5	254	218	203	238	
TOTAL	1220	1109	1102		
AVG.	244	2218	2204		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	354	342		
PULL #2	368	365		
PULL #3	343	372		
PULL #4	362	359		
PULL #5	384	349		
TOTAL	1811	1787		
AVG.	3622	3574		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	415	411		398
PULL #2	409	402		389
PULL #3	402	400		393
PULL #4	401	403		382
PULL #5	401	459		389
TOTAL	2028	2073		1951
AVG.	4056	4146		3902

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349209
28 Feb 1990

CENTROIDAL DISTANCES

0 TO	1	.43324
1 TO	2	.414519
1 TO	3	.475836
1 TO	4	.47731
1 TO	5	.633422

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

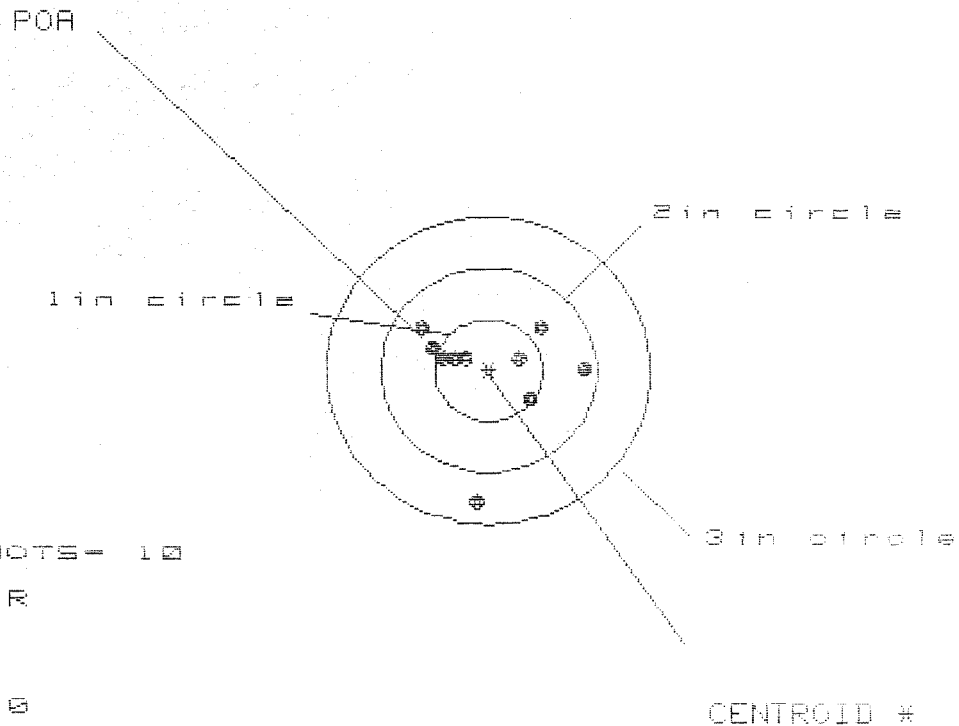
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1098
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0398
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .116791
THE AMR FOR THIS RIFLE IS: .841

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08345203

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1in = 5

2in = 9

3in = 10

HS = 1.489

VS = 1.627

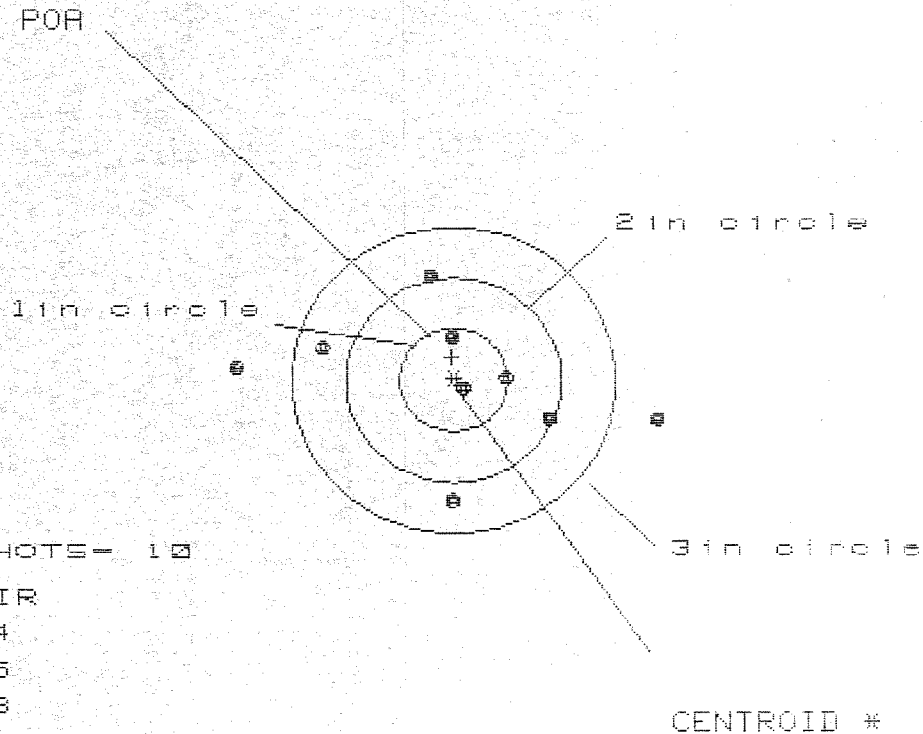
GS = 1.739

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.871	.859	.622
MINIMUM X	-.618	-.630	-.522
MAXIMUM Y	.394	.257	.244
MINIMUM Y	-1.233	-.399	-.412
CENTROID X	.416	.428	.321
CENTROID Y	-.121	.016	.029
POA TO CENTROID in.	.433	.428	.322
MIN RADIUS	.222	.194	.089
MEAN RADIUS	.584	.494	.418
MAX RADIUS	1.238	.865	.666
HORIZONTAL SPREAD	1.489	1.489	1.145
VERTICAL SPREAD	1.627	.656	.656
EXTREME SPREAD	1.739	1.531	1.229
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6849203

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 4

2 in - 5

3 in - 8

HS= 3.904

VS= 2.216

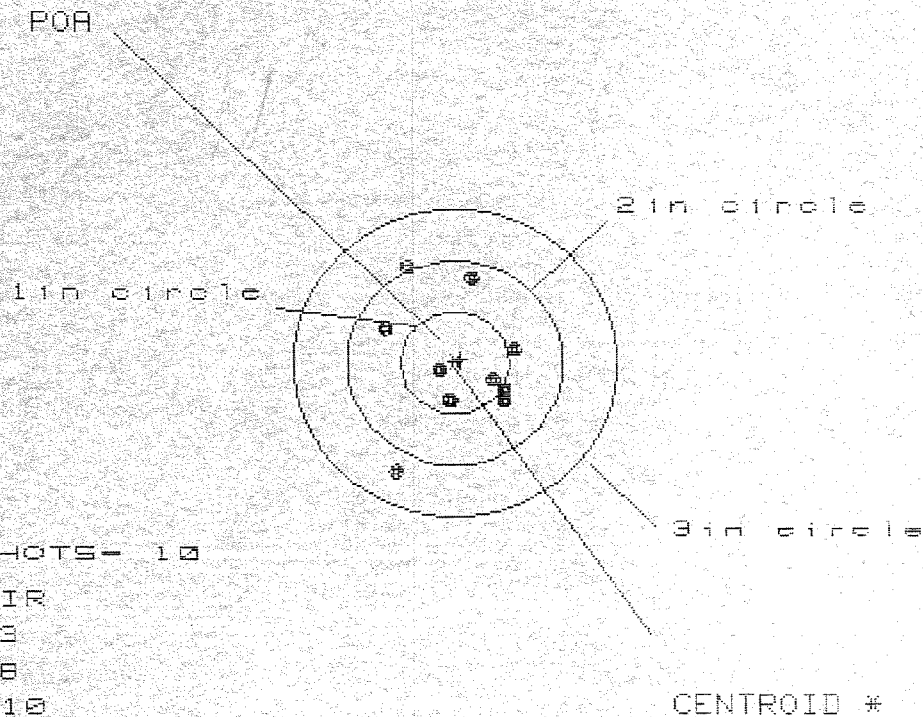
GS= 3.932

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.907	1.685	.911
MINIMUM X	:	-1.997	-1.462	-1.251
MAXIMUM Y	:	1.061	1.075	1.035
MINIMUM Y	:	-1.155	-1.141	-1.181
CENTROID X	:	.015	.237	.026
CENTROID Y	:	-.226	-.240	-.200
POA TO CENTROID in.	:	.226	.338	.202
MIN RADIUS	:	.125	.111	.133
MEAN RADIUS	:	.960	.812	.705
MAX RADIUS	:	2.001	1.715	1.286
HORIZONTAL SPREAD	:	3.904	3.147	2.162
VERTICAL SPREAD	:	2.216	2.216	2.216
EXTREME SPREAD	:	3.932	3.215	2.260
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349209

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 3

2 in - 8

3 in - 10

HS = 1.221

VS = 2.016

GS = 2.075

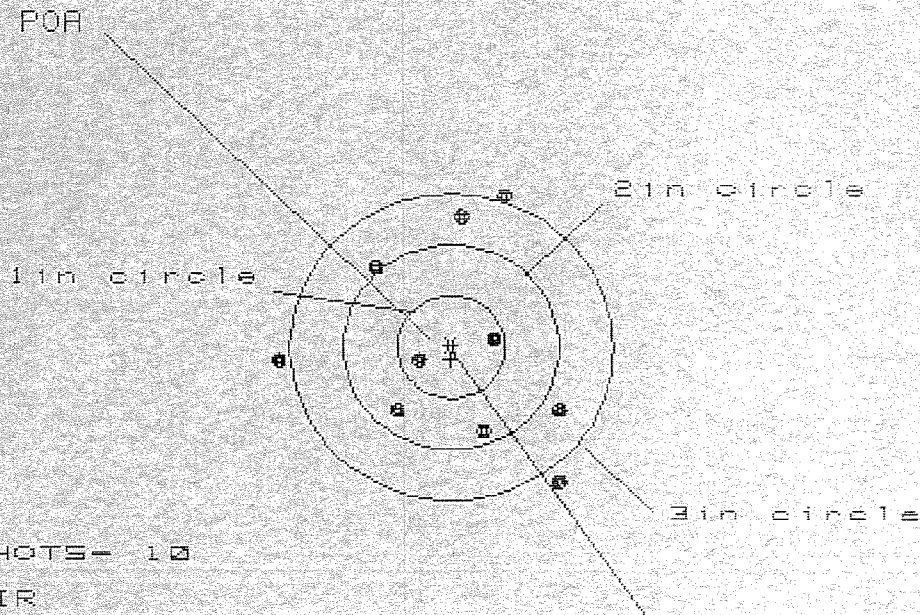
CENTROID #

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.527	.461	.392
MINIMUM X	:	-.694	-.760	-.829
MAXIMUM Y	:	.934	.814	.826
MINIMUM Y	:	-1.082	-.522	-.420
CENTROID X	:	-.052	.014	.083
CENTROID Y	:	-.035	.085	-.017
POA TO CENTROID in.	:	.063	.086	.085
MIN RADIUS	:	.108	.225	.244
MEAN RADIUS	:	.644	.584	.500
MAX RADIUS	:	1.231	.986	.880
HORIZONTAL SPREAD	:	1.221	1.221	1.221
VERTICAL SPREAD	:	2.016	1.336	1.246
EXTREME SPREAD	:	2.075	1.622	1.353
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

26 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6345209

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 2.639

VS= 2.810

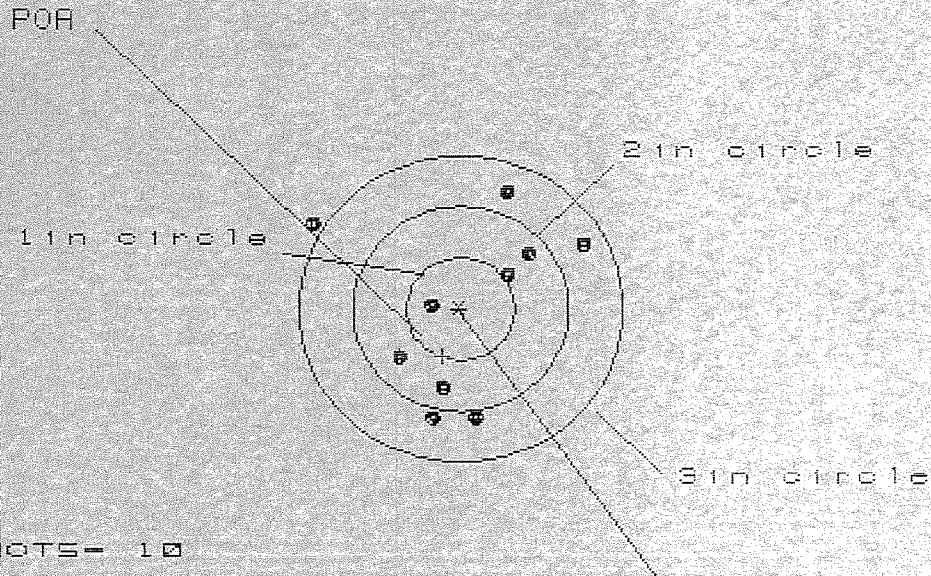
GS= 2.859

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.030	1.139	.951
MINIMUM X	:	-1.609	-1.500	-.832
MAXIMUM Y	:	1.466	1.317	1.282
MINIMUM Y	:	-1.344	-.925	-.960
CENTROID X	:	.004	-.105	.083
CENTROID Y	:	.120	.269	.304
POA TO CENTROID in.	:	.120	.289	.315
MIN RADIUS	:	.330	.328	.306
MEAN RADIUS	:	1.077	1.014	.942
MAX RADIUS	:	1.661	1.526	1.335
HORIZONTAL SPREAD	:	2.639	2.639	1.783
VERTICAL SPREAD	:	2.810	2.242	2.242
EXTREME SPREAD	:	2.859	2.688	2.324
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349289

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.525

VS= 2.189

GS= 2.537

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.174	1.024	.581
MINIMUM X	:	-1.351	-.747	-.619
MAXIMUM Y	:	1.106	1.203	1.294
MINIMUM Y	:	-1.083	-.986	-.895
CENTROID X	:	.166	.316	.188
CENTROID Y	:	.461	.364	.273
POA TO CENTROID in.	:	.490	.482	.332
MIN RADIUS	:	.240	.407	.334
MEAN RADIUS	:	.940	.862	.792
MAX RADIUS	:	1.609	1.254	1.352
HORIZONTAL SPREAD	:	2.525	1.771	1.200
VERTICAL SPREAD	:	2.189	2.189	2.189
EXTREME SPREAD	:	2.537	2.241	2.241
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # C6349209
 16 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.05001
1 TO	2	.51914
1 TO	3	.342608
1 TO	4	.703341
1 TO	5	.0777817

$4\frac{3}{2}$ # <----POA

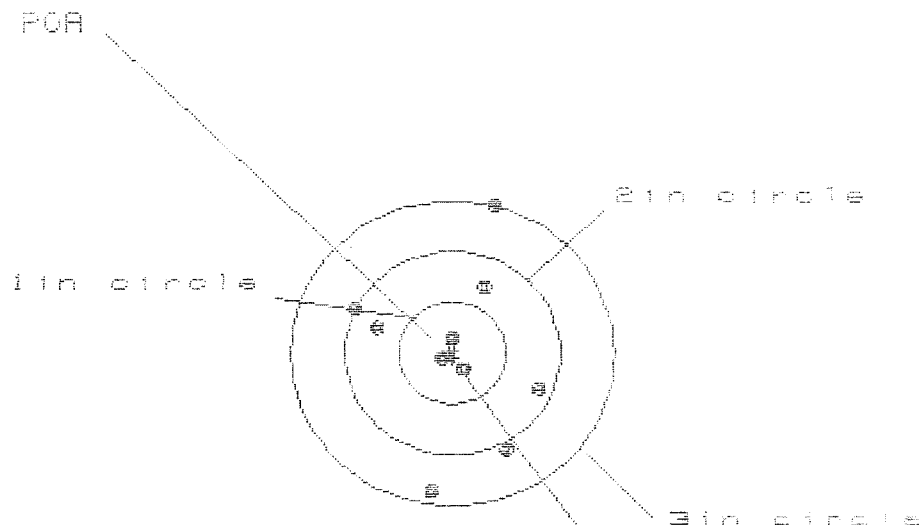
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2628
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0220
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .263787

THE AMR FOR THIS RIFLE IS: .9314

16 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08848289.1

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 10

RS = 1.702

VS = 2.740

ES = 2.789

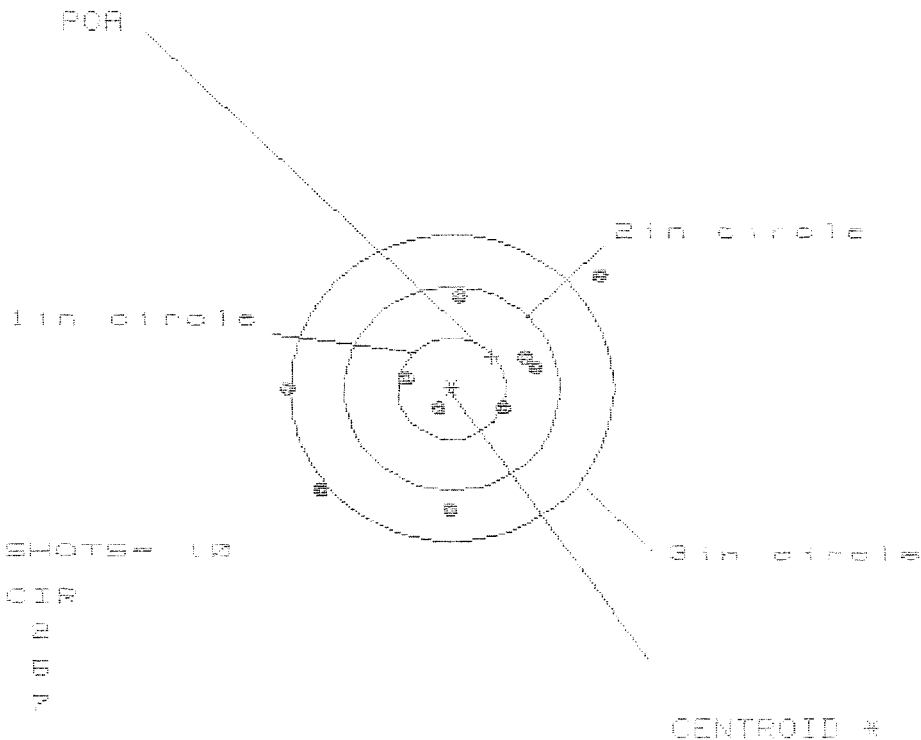
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.764	.883	.787
MINIMUM X	-.938	-.899	-.915
MAXIMUM Y	1.416	.786	.641
MINIMUM Y	-1.324	-1.167	-1.956
CENTROID X	.001	-.038	-.022
CENTROID Y	.050	-.107	.038
POA TO CENTROID in.	.050	.114	.044
MIN RADIUS	.140	.138	.114
MEAN RADIUS	.768	.695	.610
MAX RADIUS	1.460	1.174	1.095
HORIZONTAL SPREAD	1.702	1.702	1.702
VERTICAL SPREAD	2.740	1.953	1.597
EXTREME SPREAD	2.789	2.018	2.018
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

16 MAR 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349289.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 2.872

VS= 2.343

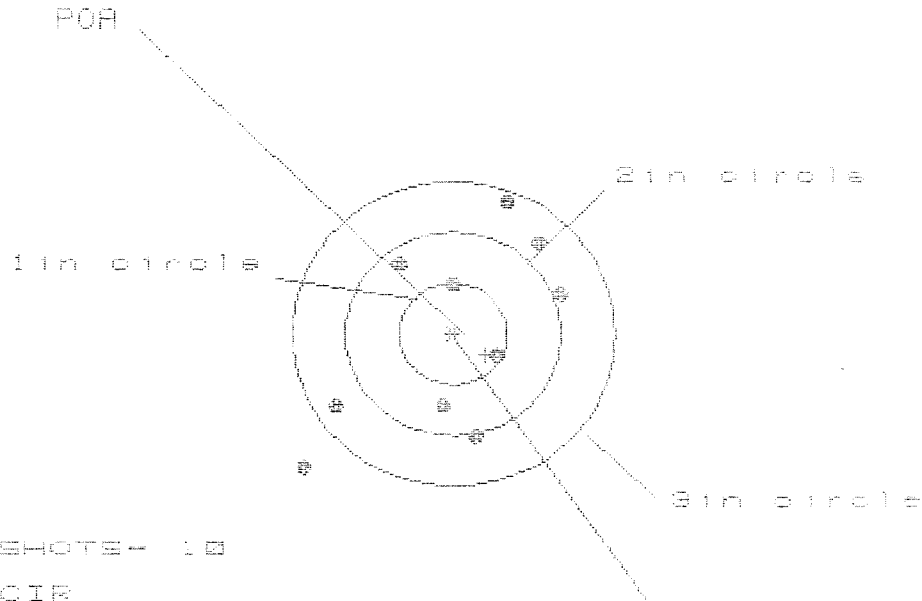
GS= 3.384

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.399	.891	.753
MINIMUM X	-1.574	-1.418	-1.556
MAXIMUM Y	1.106	1.058	.948
MINIMUM Y	-1.237	-1.114	-1.224
CENTROID X	-.374	-.538	-.392
CENTROID Y	-.369	-.432	-.322
POA TO CENTROID in.	.486	.684	.587
MIN RADIUS	.274	.181	.253
MEAN RADIUS	.998	.894	.814
MAX RADIUS	1.784	1.424	1.556
HORIZONTAL SPREAD	2.973	2.369	2.309
VERTICAL SPREAD	2.343	2.172	2.172
EXTREME SPREAD	3.394	2.373	2.321
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	7	

18 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349283.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 8

HSE = 2.410

VSE = 2.569

GSE = 3.206

CENTROID *

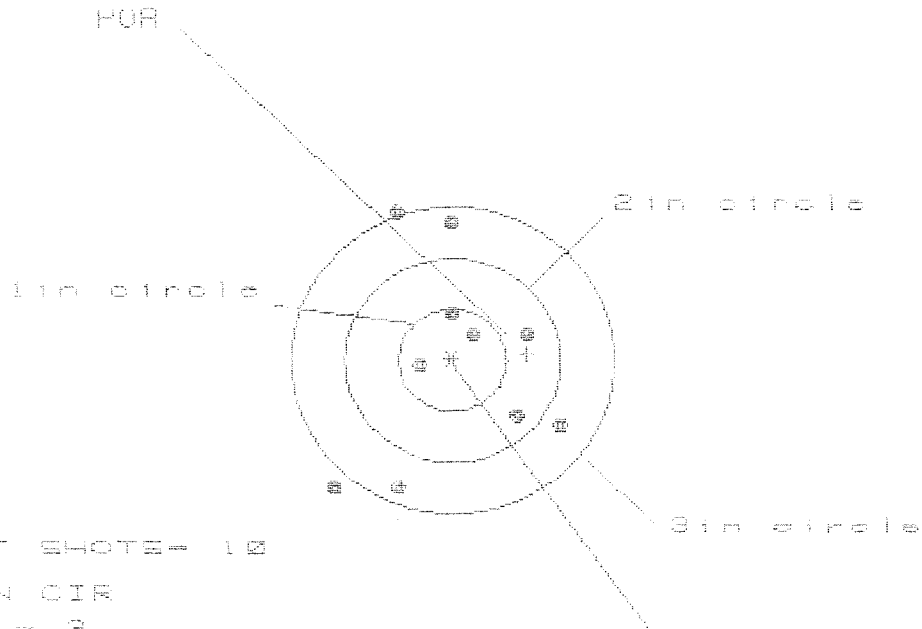
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.043	.891	.941
MINIMUM X	-1.367	-1.229	-1.179
MAXIMUM Y	1.287	1.145	.899
MINIMUM Y	-1.282	-1.123	-.980
CENTROID X	-.303	-.151	-.201
CENTROID Y	.200	.350	.207
POA TO CENTROID in.	.367	.382	.289
MIN RADIUS	.499	.410	.408
MEAN RADIUS	1.050	.931	.893
MAX RADIUS	1.874	1.482	1.363
HORIZONTAL SPREAD	2.410	2.126	2.120
VERTICAL SPREAD	2.569	2.268	1.879
EXTREME SPREAD	3.206	2.557	2.451
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

16 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06349283.1

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.069

VS= 2.754

GS= 2.889

CENTROID *

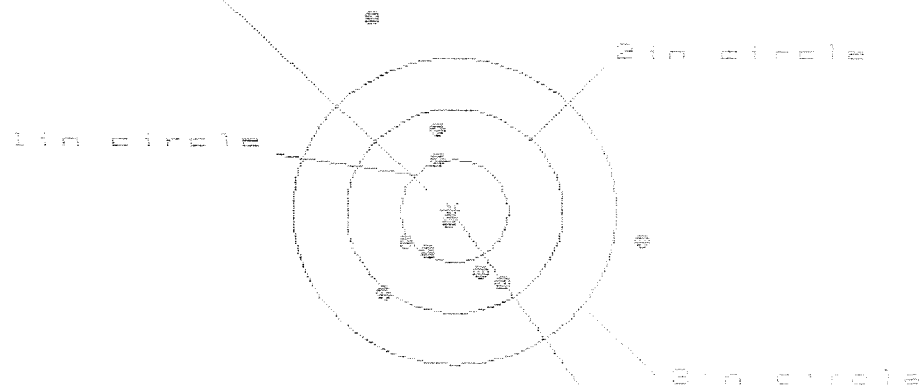
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.979	.858	.775
MINIMUM X	-1.090	-1.665	-1.683
MAXIMUM Y	1.464	1.321	1.414
MINIMUM Y	-1.290	-1.392	-1.227
CENTROID X	-.694	-.573	-.490
CENTROID Y	-.058	.085	-.086
POR TO CENTROID in.	.697	.579	.497
MIN RADIUS	.282	.076	.236
MEAN RADIUS	.978	.866	.798
MAX RADIUS	1.688	1.516	1.431
HORIZONTAL SPREAD	2.069	1.523	1.458
VERTICAL SPREAD	2.754	2.713	2.641
EXTREME SPREAD	2.889	2.714	2.681
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	

18 Mar 1998

FILE://PATTERNING/CENTERFIRE_PATT/C6349209.J

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 8

CENTROID *

HST = 2.506

VST = 2.699

GST = 3.317

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.720	1.633	.528
MINIMUM X	-1.785	-1.728	-1.524
MAXIMUM Y	1.877	.979	.966
MINIMUM Y	-.922	-.614	-.625
CENTROID X	.056	.143	-.061
CENTROID Y	-.065	1.213	-.282
FOR TO CENTROID in.	.056	.257	.212
MIN RADIUS	.116	.136	.134
MEAN RADIUS	.871	.714	.564
MAX RADIUS	2.035	1.636	.969
HORIZONTAL SPREAD	2.506	2.361	1.052
VERTICAL SPREAD	2.699	1.593	1.593
EXTREME SPREAD	3.317	2.419	1.679
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =			8

GFM

CONTRACT # DAAA21-87-C-0086

*New Barrel*GUN SERIAL # *C6349209*

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		<i>5/4/93</i>	<i>RW</i>
600	Proof		<i>5/4/93</i>	<i>RW</i>
607	Check Headspace		<i>5/4/93</i>	<i>RW</i>
610	Dis-assemble Gun		<i>5/4/93</i>	<i>RW</i>
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	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		<i>5/17/93</i>	<i>RW</i>
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		<i>5/17/93</i>	<i>RW</i>
	C) Inspect Ejector Hole for Chamfer		<i>5/17/93</i>	<i>RW</i>
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	BARBER - M24 0110244	READINGS			DATE	INIT
	OP. NAME					
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					
J	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					

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349209
21 May 1993

CENTROIDAL DISTANCES

0 TO	1	.448973
1 TO	2	.90054
1 TO	3	.70238
1 TO	4	1.64446
1 TO	5	1.05263

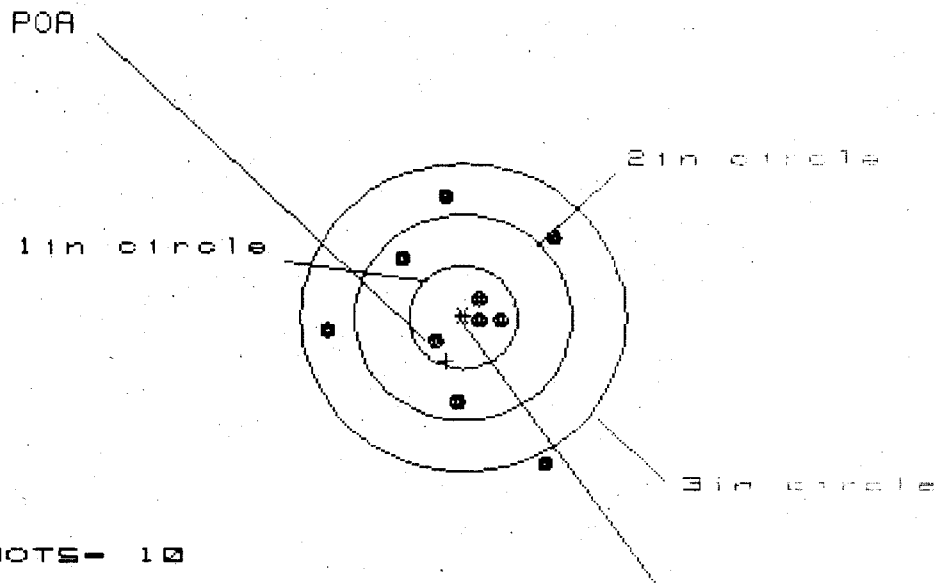
1 3
2 + 5 <---- POB
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4418
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2456
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .505477
THE AMR FOR THIS RIFLE IS: .9556

21 May 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6349289

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.109

VS= 2.583

GS= 2.757

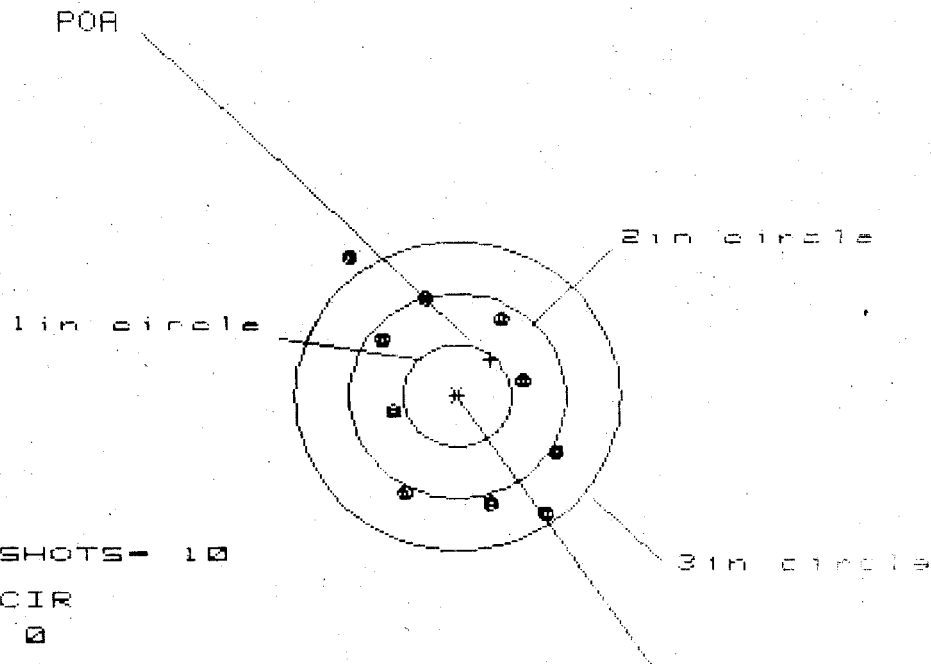
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.866	.953	.809
MINIMUM X	-1.243	-1.156	-.564
MAXIMUM Y	1.199	1.045	1.005
MINIMUM Y	-1.384	-1.006	-1.046
CENTROID X	.156	.069	.213
CENTROID Y	.421	.575	.615
POA TO CENTROID in.	.449	.579	.651
MIN RADIUS	.119	.247	.100
MEAN RADIUS	.785	.706	.621
MAX RADIUS	1.592	1.200	1.058
HORIZONTAL SPREAD	2.109	2.109	1.373
VERTICAL SPREAD	2.583	2.051	2.051
EXTREME SPREAD	2.757	2.301	2.052
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

21 May 1993

FILE: PATTERNING/CENTERFIRE_PATT/06349203

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in - 0

2 in - 4

3 in - 9

HS - 1.938

VS - 2.456

GS - 3.030

CENTROID +

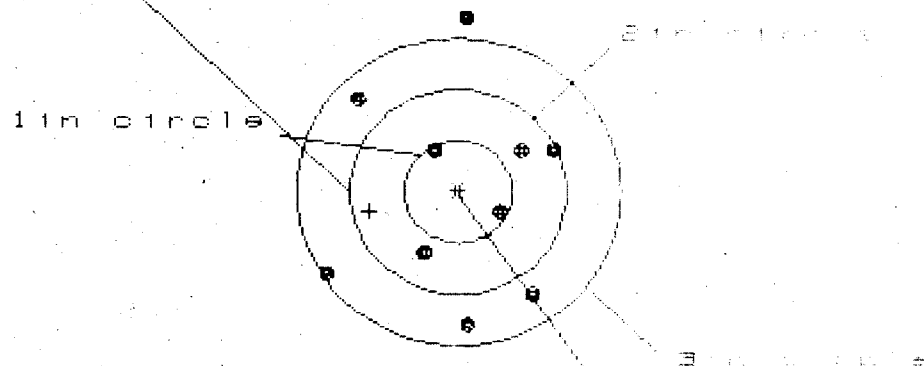
PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.947
MINIMUM X	:	-.991
MAXIMUM Y	:	1.307
MINIMUM Y	:	-1.148
CENTROID X	:	-.306
CENTROID Y	:	-.352
POA TO CENTROID in.	:	.467
MIN RADIUS	:	.606
MEAN RADIUS	:	1.023
MAX RADIUS	:	1.641
HORIZONTAL SPREAD	:	1.938
VERTICAL SPREAD	:	2.456
EXTREME SPREAD	:	3.030
NUMBER IN ONE INCH CIRCLE	=	0
NUMBER IN TWO INCH CIRCLE	=	4
NUMBER IN THREE INCH CIRCLE	=	9

21 May 1993

FILE:/PATTERNING/CENTERFIRE_PATT/06349289

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.054

VS= 2.995

GS= 2.995

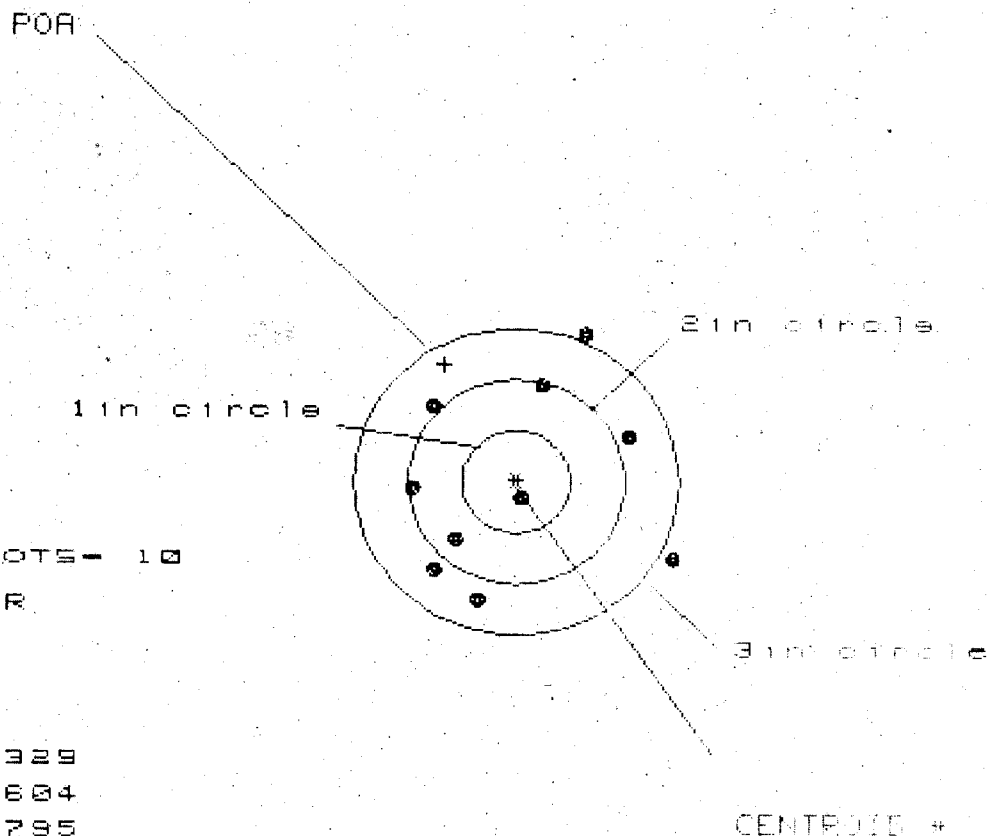
CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.836	.847	.696
MINIMUM X	-1.218	-1.207	-1.022
MAXIMUM Y	1.731	1.061	.984
MINIMUM Y	-1.264	-1.071	-1.149
CENTROID X	.820	.809	.960
CENTROID Y	.192	-.001	.076
POA TO CENTROID in.	.842	.809	.963
MIN RADIUS	.404	.357	.226
MEAN RADIUS	1.006	.913	.831
MAX RADIUS	1.734	1.373	1.419
HORIZONTAL SPREAD	2.054	2.054	1.718
VERTICAL SPREAD	2.995	2.132	2.132
EXTREME SPREAD	2.995	2.411	2.408
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	

21 May 1993

FILE: /PATTERNING/CENTERFIRE_PAIT-00345003

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HSI = 2.329

VS = 2.604

GS = 2.795

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.413	1.485	1.284
MINIMUM X	-0.916	-0.844	-0.559
MAXIMUM Y	1.446	1.075	1.007
MINIMUM Y	-1.158	-0.998	-1.066
CENTROID X	0.661	0.589	0.404
CENTROID Y	-1.144	-1.304	-1.236
POA TO CENTROID in.	1.321	1.431	1.300
MIN RADIUS	0.194	0.107	0.005
MEAN RADIUS	1.052	0.962	0.870
MAX RADIUS	1.583	1.583	1.075
HORIZONTAL SPREAD	2.329	2.329	1.943
VERTICAL SPREAD	2.604	2.073	2.073
EXTREME SPREAD	2.795	2.614	2.154
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

21 May 1993

FILE: /PATTERNING/CENTERFIRE_PATT/06349285

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in = 10

HS= 1.983

VS= 1.922

GS= 2.225

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.871

.761

.745

MINIMUM X

-1.112

-1.222

-1.238

MAXIMUM Y

.712

.769

.628

MINIMUM Y

-1.210

-1.131

-1.774

CENTROID X

.878

.988

1.004

CENTROID Y

-.345

-.424

-.283

POA TO CENTROID in.

.943

1.075

1.043

MIN RADIUS

.363

.248

.384

MEAN RADIUS

.912

.854

.802

MAX RADIUS

1.220

1.249

1.300

HORIZONTAL SPREAD

1.983

1.983

1.983

VERTICAL SPREAD

1.922

1.900

1.402

EXTREME SPREAD

2.225

2.078

2.078

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

10

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 93-10814

WOG 3 OF 3 FRED MARTIN/M24 SNIPER W/10X-M3A SCOPE

INITIAL
FPS

CUSTOMER ORDER NO.

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

04/28/93

04/28/93

XJ 12-89

C6349209

700 7.62

NATO

ACCESSORIES

W/STUDS

SCOPE MNTS

SCOPE BASE

FROM:

SHIP TO:

DEPARTMENT OF THE ARMY
USASCH DOL
STOR BR, BLDG 2131
SCHO BKS

HI 96857

DEPARTMENT OF THE ARMY
USASCH DOL
STOR BR, BLDG 2131
SCHO BKS

HI

96857

CUST NO: 078579 C.O.D L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

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

Barrel Replacement

PARTS

COMMENTS

Re Zinc - Scope Rings, Scope Base & Survival Studs
Re powder Coat - Floor plate, Latch, Trigger Guard, Front & Rear Sight Bases

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

RW

✓

✓

✓

✓

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

RW

5/4/93

5/18/93

5/18/93

5/18/93

OFFICE COPY

RD5925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 042099110290

PSN, PART NO. AND ITEM DESCRIPTION 1005-01-240-2136 M24		UNSERVICEABLE (REPARABLE) TAG - MATERIEL	
		INSPECTION ACTIVITY NAC 4/22 INF	CONDITION CODE F
SERIAL NO./LOT NO. C6349209/391365		UNIT OF ISSUE EA	REMOVED FROM INSPECTOR'S NAME OR STAMP AND DATE 12 MAR 93 Inspected By J. F. Omoso
CONTRACT OR PURCHASE ORDER NO. NRTS		QUANTITY 1	
REMARKS NRTS			

WARNING: Unauthorized persons removing, defacing, or destroying this tag may be subject to a fine of not more than \$1,000 or imprisonment for not more than one year or both. (18 USC 1361)

DD FORM 1577-2 1-001 65
 U.S. GPO: 1995 - 081-243

RECEIVING AND ESTIMATING REPORT

BARBER - M24 0140292

COMMENTS

ORDER
R 94-26171

INITIAL JJM	CUSTOMER ORDER NO.	W/LEUPOLD 10X SCOPE M-24 SNIPER			
DATE RECEIVED 09/12/94	DATE OPENED 09/13/94	DATE CODE KN 5-93	SERIAL NUMBER C6349209	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO
ACCESSORIES	SCOPE MNTS	SCOPE BASE			

FROM:

DEPARTMENT OF THE ARMY
USASCH DOL
STOR BR, BLDG 2131
SCHO BKS

HI 96857

SHIP TO:

DEPARTMENT OF THE ARMY
USASCH DOL
STOR BR, BLDG 2131
SCHO BKS

HI

96857

CUST NO: 078579 C.O.D.L

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA UPS
----------------	--------------------	--------------------------------	------------	-----------	------------

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

Bolt Handle Cracked

PARTS	COMMENTS
Bolt - 96005	Mag follower & mag spring
mag follower - 96014	Rusty
mag spring - 15677	
W52H094570/H557	
REPAIRMAN RW	PROOF ☒
GALLERY TESTER RW	CLEAN ☒
DATE 9/14/94	TEST ☒
DATE 9/19/94	TARGET
DATE 9/19/94	PATTERN

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0140292