

C6611564

MODEL 700TM M24

Model **SWS**TM

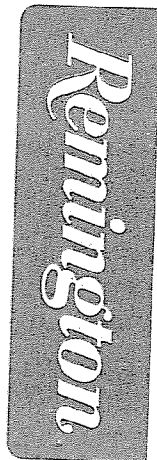
Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00103100

Serial: C6611564 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/18/1991

Repairman:

Verify Repair:

Status:

Closed 11/1/2005 3:10:23 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: JERRY NELSON STTD

JERRY NELSON STTD

Address 1: 1401 ARTILLERY CIRCLE

1401 ARTILLERY CIRCLE

Address 2: ATTN SUPPLY BLDG 978

ATTN SUPPLY BLDG 978

City: FORT LEONARD WOOD

FORT LEONARD WOOD

State: MO

Zip Code: 65473

Country: US

State: MO

Zip Code: 65473

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 800-243-9700

Fax:

Email:

Comments:

Received Condition

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A009	Soft Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

reglet

11/2/2005

7:22 AM

CAPS

NUM

LINE

SCFL

start

2

Arms Service

5

3

3

Serial Number:

C6611564

Model: M24 SWS



RE00103100

DA FORM 2407, JUL 94

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

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611564.___0

FILE DATE AND TIME: 11/17/2005 15:22

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.001
The Average Y Centroid of the Five Target Set:	-0.136
The Average Point of Impact of the Five Target Set:	0.136
The Average Mean Radius of the Five Target Set:	0.885
The Distance from POA to Centroid Target #1:	0.145
The Distance from Centroid Target #2 to Centroid Target #1:	0.206
The Distance from Centroid Target #3 to Centroid Target #1:	0.046
The Distance from Centroid Target #4 to Centroid Target #1:	0.171
The Distance from Centroid Target #5 to Centroid Target #1:	0.213

SERIAL NUMBER: C6611564. __0

TARGET NUMBER: 1

FILE DATE: 11/17/2005

FILE TIME: 15:22

POINT#	X	Y
1:	0.355	0.228
2:	0.357	0.821
3:	-0.179	0.841
4:	-0.343	-0.135
5:	-0.738	-0.249
6:	-0.874	0.356
7:	-0.982	-0.693
8:	0.359	-1.075
9:	1.047	-1.042
10:	1.601	-0.376

X CENTROID: 0.060

Y CENTROID: -0.132

POA TO CENTROID: 0.145

HORZ SPREAD: 2.583

VERT SPREAD: 1.916

GROUP SPREAD: 2.602

MIN RADIUS: 0.403

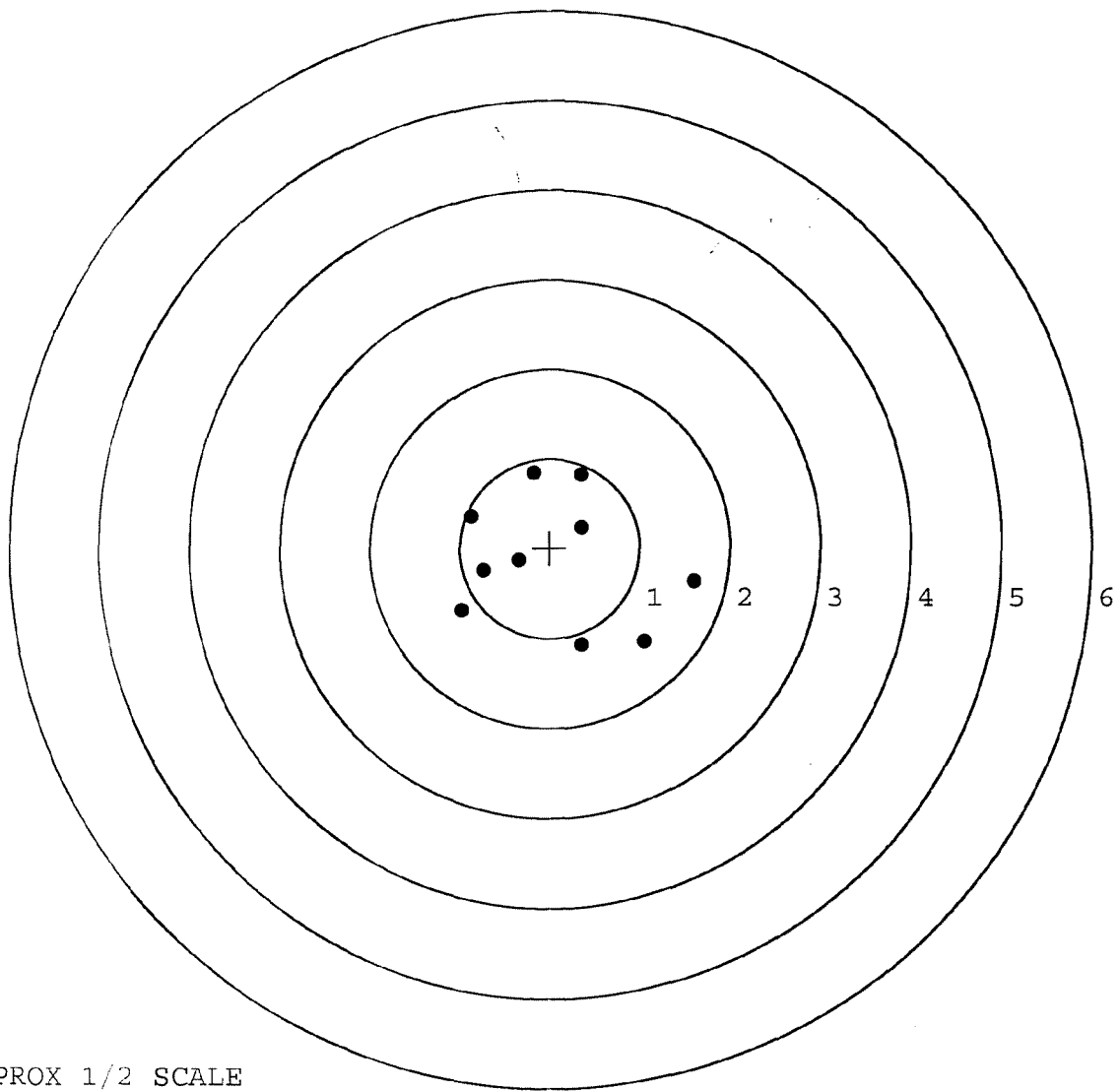
MAX RADIUS: 1.560

MEAN RADIUS: 0.980

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

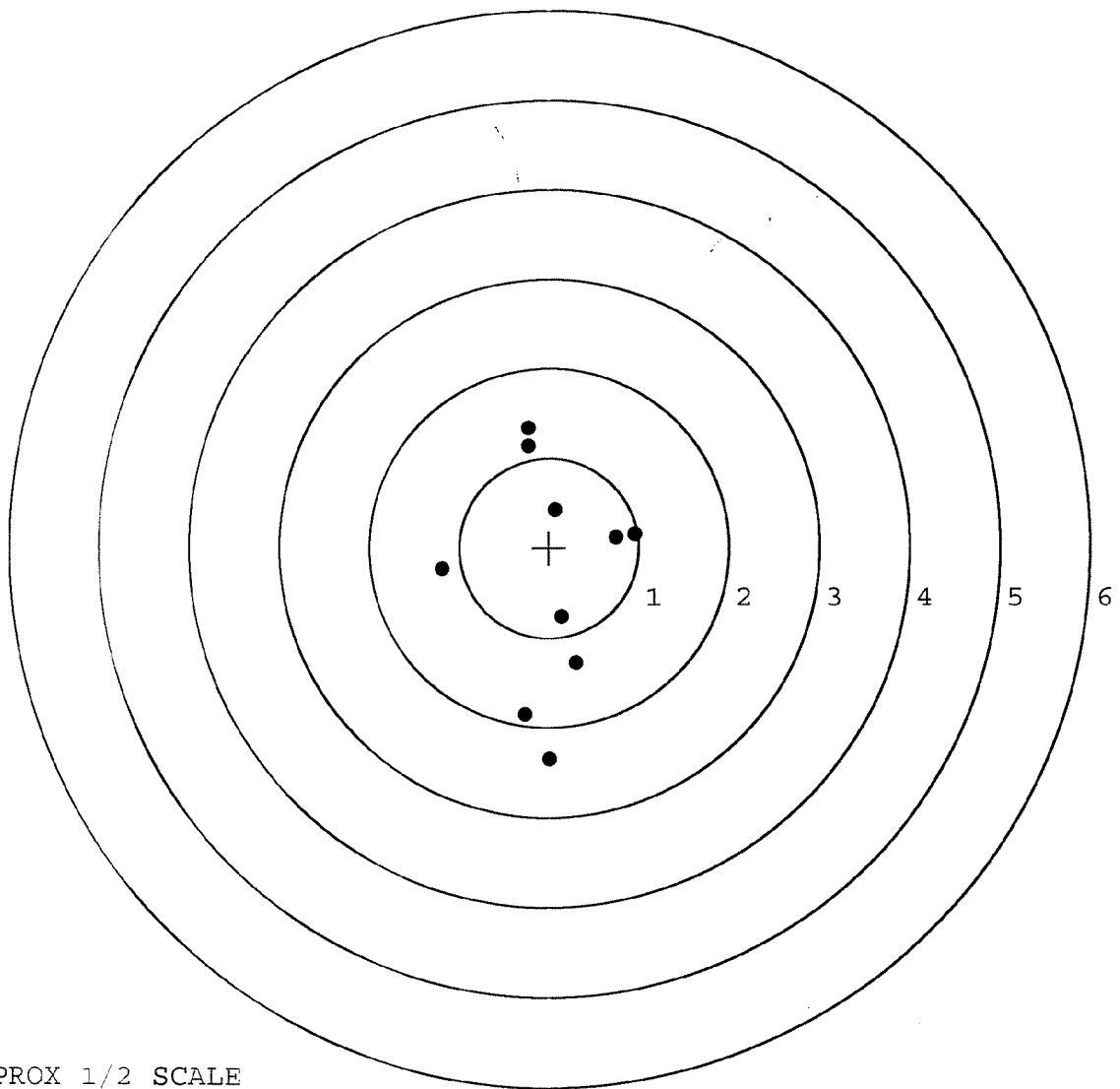


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611564. __0
 TARGET NUMBER: 2
 FILE DATE: 11/17/2005
 FILE TIME: 15:22

POINT#	X	Y
1:	0.748	0.114
2:	0.954	0.147
3:	0.073	0.425
4:	-0.229	1.137
5:	-0.229	1.335
6:	-1.192	-0.237
7:	0.143	-0.770
8:	0.303	-1.284
9:	-0.272	-1.866
10:	0.007	-2.365

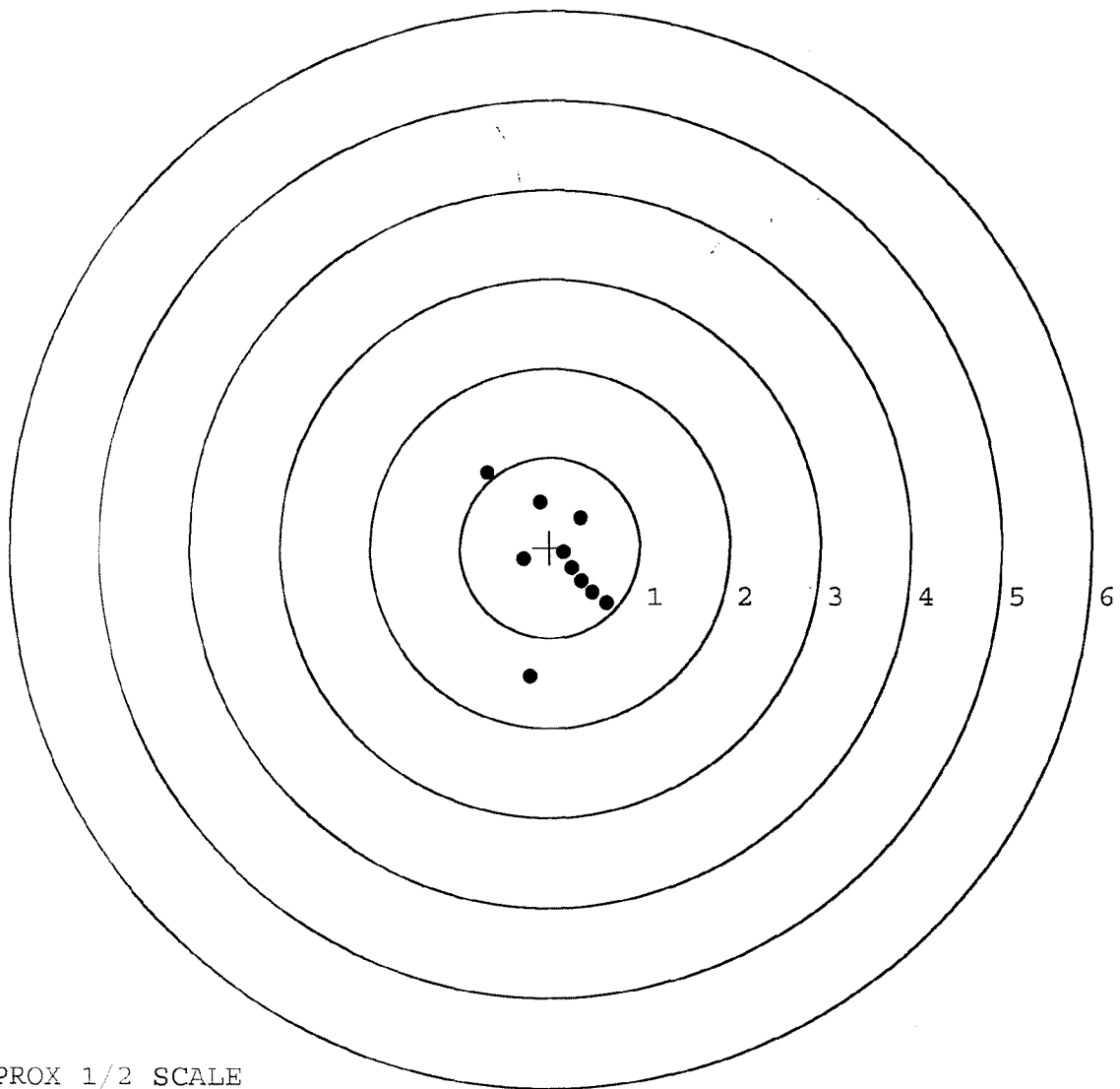
X CENTROID: 0.031
 Y CENTROID: -0.336
 POA TO CENTROID: 0.338
 HORZ SPREAD: 2.146
 VERT SPREAD: 3.700
 GROUP SPREAD: 3.708
 MIN RADIUS: 0.448
 MAX RADIUS: 2.029
 MEAN RADIUS: 1.209
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

BARBER - M24 0078915

SERIAL NUMBER: C6611564. __0	POINT#	X	Y
TARGET NUMBER: 3	1:	-0.221	-1.430
FILE DATE: 11/17/2005	2:	-0.292	-0.133
FILE TIME: 15:22	3:	-0.108	0.506
	4:	-0.697	0.839
X CENTROID: 0.090	5:	0.341	0.327
Y CENTROID: -0.168	6:	0.155	-0.055
POA TO CENTROID: 0.190	7:	0.253	-0.227
HORZ SPREAD: 1.336	8:	0.354	-0.375
VERT SPREAD: 2.269	9:	0.474	-0.506
GROUP SPREAD: 2.318	10:	0.639	-0.624
MIN RADIUS: 0.130			
MAX RADIUS: 1.300			
MEAN RADIUS: 0.608			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			

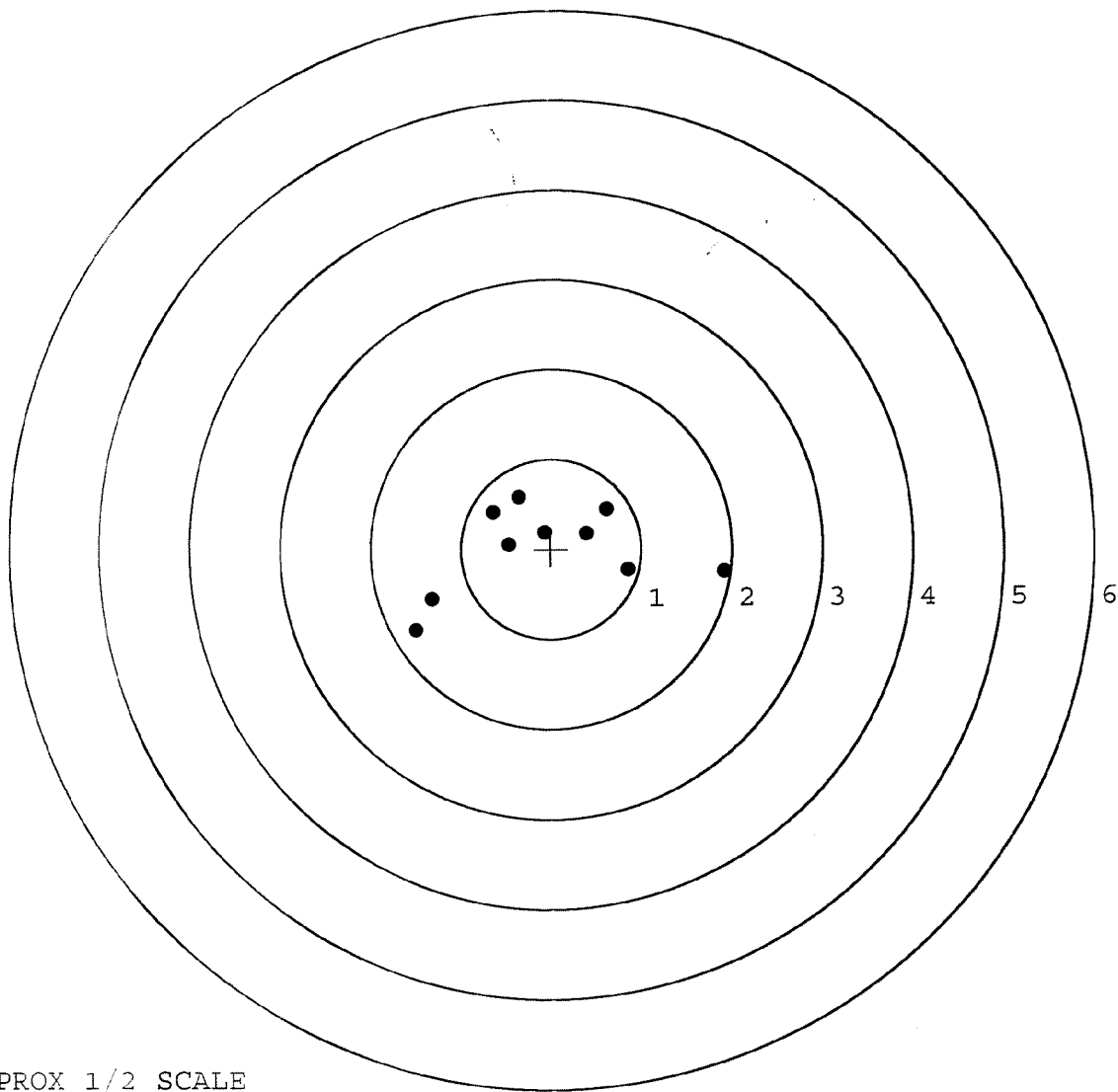


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611564. 0
 TARGET NUMBER: 4
 FILE DATE: 11/17/2005
 FILE TIME: 15:22

X CENTROID: -0.057
 Y CENTROID: -0.007
 POA TO CENTROID: 0.057
 HORZ SPREAD: 3.419
 VERT SPREAD: 1.482
 GROUP SPREAD: 3.477
 MIN RADIUS: 0.199
 MAX RADIUS: 1.991
 MEAN RADIUS: 0.932
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.918	-0.262
2:	0.859	-0.235
3:	0.623	0.445
4:	0.398	0.179
5:	-0.067	0.191
6:	-0.472	0.054
7:	-0.642	0.414
8:	-0.358	0.585
9:	-1.324	-0.547
10:	-1.501	-0.897



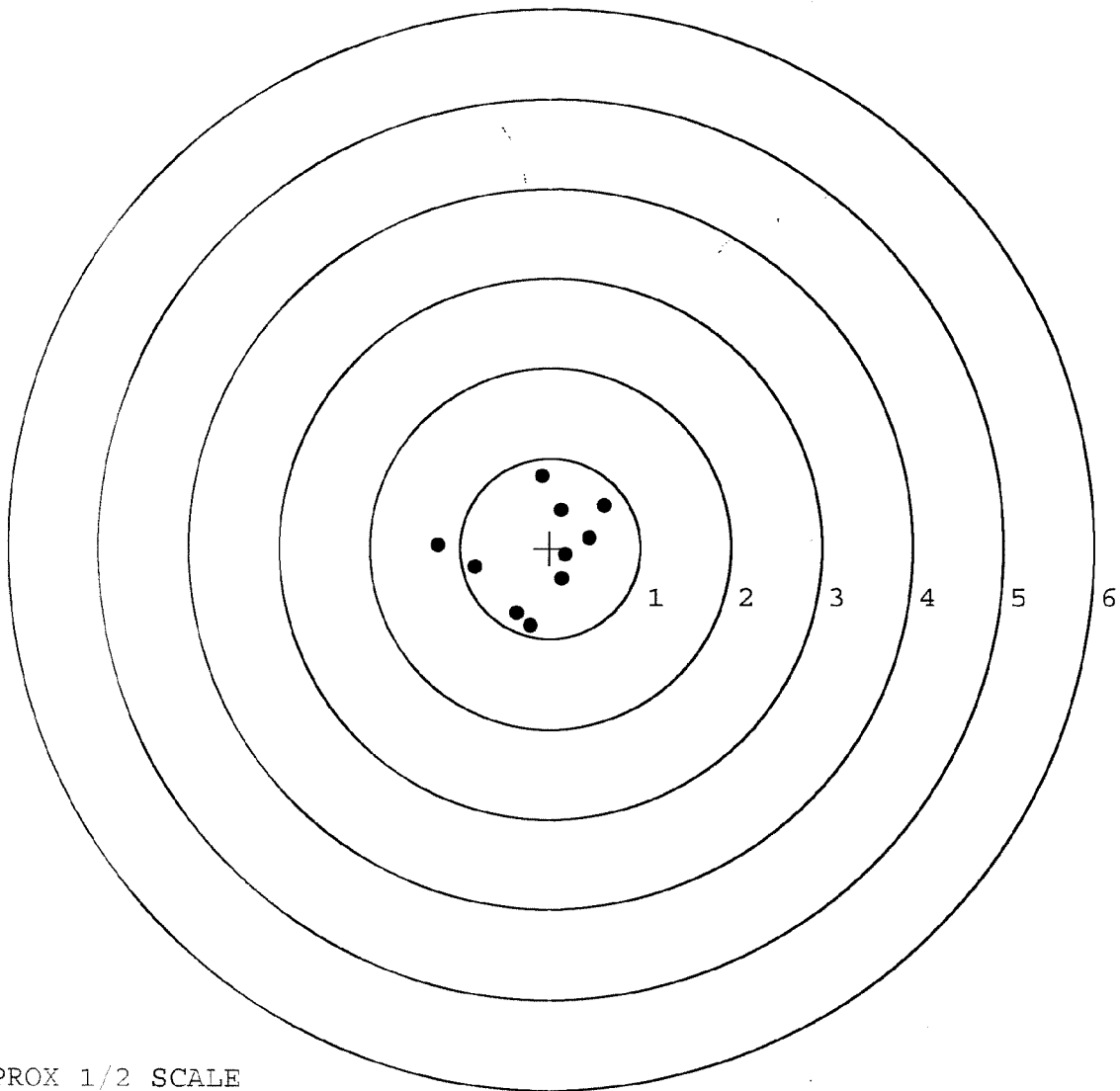
TARGET APPROX 1/2 SCALE

BARBER - M24 0078917

SERIAL NUMBER: C6611564. 0
 TARGET NUMBER: 5
 FILE DATE: 11/17/2005
 FILE TIME: 15:22

POINT#	X	Y
1:	-0.226	-0.864
2:	-0.376	-0.723
3:	-0.839	-0.210
4:	-1.241	0.035
5:	-0.090	0.801
6:	0.602	0.467
7:	0.124	0.424
8:	0.437	0.108
9:	0.173	-0.076
10:	0.133	-0.341

X CENTROID: -0.130
 Y CENTROID: -0.038
 POA TO CENTROID: 0.136
 HORZ SPREAD: 1.843
 VERT SPREAD: 1.665
 GROUP SPREAD: 1.893
 MIN RADIUS: 0.306
 MAX RADIUS: 1.113
 MEAN RADIUS: 0.695
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	103100			
SERIAL NUMBER	06611564			
LOG-IN DATE	11-1-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-8-05	RTJ
505	RE-BARREL		11-9-05	RR
560	ASSEMBLE		11-9-05	CD
600	PROOF	MAGNA-FLUX INSPECTED	11-9-05	CD
605	CHECK HEADSPACE	NOV	11-9-05	CD
610	DIS-ASSEMBLE GUN		11-9-05	CD
612	MAGNAFLUX	OPERATOR <u>und</u>	11-10-05	und
510	DRILL AND TAP		11-10-05	BR
615	ROLLMARK CALIBER		11-10-05	CW
618	ROTO-BLAST		11-14-05	LB
620	APPLY COATINGS		11-15-05	HC
625	FINAL ASSEMBLY		11-16-05	RTJ
640	FUNCTION TEST AND	PASS FAIL	11-17-05	TRW
650	TARGET	PASS FAIL	11-17-05	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	11-17-05	TRW
670	FINAL INSPECTION			
	A) HEADSPACE	PASS FAIL	11-21-05	BC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lb 6 lb 5 lb 11-21-05	BC
	G) SAFETY OFF FORCE	2 LBS MIN	3 lb 3 lb 4 lb 11-21-05	BC
	I) FIRING PIN INDENT	.020	.024 .023 .023 11-21-05	BC
690	PACK		11-21-05	19A

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6611564
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6611564



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611564

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		2/1/91	KH
600	Proof		2/1/91	KH
607	Check Headspace		2/1/91	KH
610	Dis-assemble Gun		2/1/91	KH
612	Magnaflux Barrel Action	2 11 91		KCH
	Magnaflux Bolt	2 11 91		KCH
615	Rollmark Caliber	2 11 91		GB
617	Drill and Tap Sight Holes	2 12 91		WLB
618	Polish Barrel RBB	2 13 91		WLB
620	Apply Coatings (Barrel Action)		3/12/91	KA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		3/20/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/20/91	KS
	C) Inspect Ejector Hole for Chamfer		3/20/91	KS
	D) Oil Firing Pin Ass'y		3/20/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		4/2/91	KA

op. #	BARBER - M24 0078921 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4-2-91	DH
	G) Safety Off Force	2 1/2	3	3			4-2-91	DH
	H) Trigger Pull Test & Retainability						4/2/91	JH
	I) Firing Pin Indent	.0225	.022	.022			4-2-91	DH
	J) Assemble Stock						4/8/91	KS
	K) Assemble Swivel Studs						4-10-91	DH
	L) Attach Front and Rear Sight Assemblies						4/8/91	KS
	M) Iron Sight Alignment						4/8/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/8/91	KS
	O) Attach Scope to Rifle						4/8/91	KS
	P) Detach & Attach Scope 20 Times						4/8/91	KS
640	Gallery Target & Test						4-9-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						4-9-91	AF
655	Final Inspection							
	A) Headspace						4-10-91	DH
	B) Trigger Pull	2.60	2.30	2.18	2.34	2.47	4/11/91	JH
	C) Function						4-10-91	DH
660	Pack						6-17-91	AF

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

SERIAL NO. C6611564
DATE 4/2/91
TESTER JEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.51	2.48	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.58	2.50	2.52	2.30	
PULL #3	2.24	2.51	2.46	2.18	
PULL #4	2.47	2.47	2.50	2.54	
PULL #5	2.49	2.31	2.51	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.13		
PULL #2	3.29	3.28		
PULL #3	3.25	3.18		
PULL #4	3.22	3.20		
PULL #5	3.21	3.19		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.29		4.28
PULL #2	4.24	4.27		4.15
PULL #3	4.19	4.28		4.31
PULL #4	4.19	4.26		4.32
PULL #5	4.25	4.29		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611564
9 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.154302
1 TO	2	.294478
1 TO	3	.143391
1 TO	4	.138654
1 TO	5	.332254

$\frac{3}{25}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0634
THE AVERAGE Y COORDINATE FOR THIS RIFLE IS: .0468
THE RESULTING AVERAGE PCI RADIUS FOR THIS RIFLE IS: .0788023
THE AMR FOR THIS RIFLE IS: .8518

9 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611564

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 8

3 in = 10

HS= 2.350

VS= 1.062

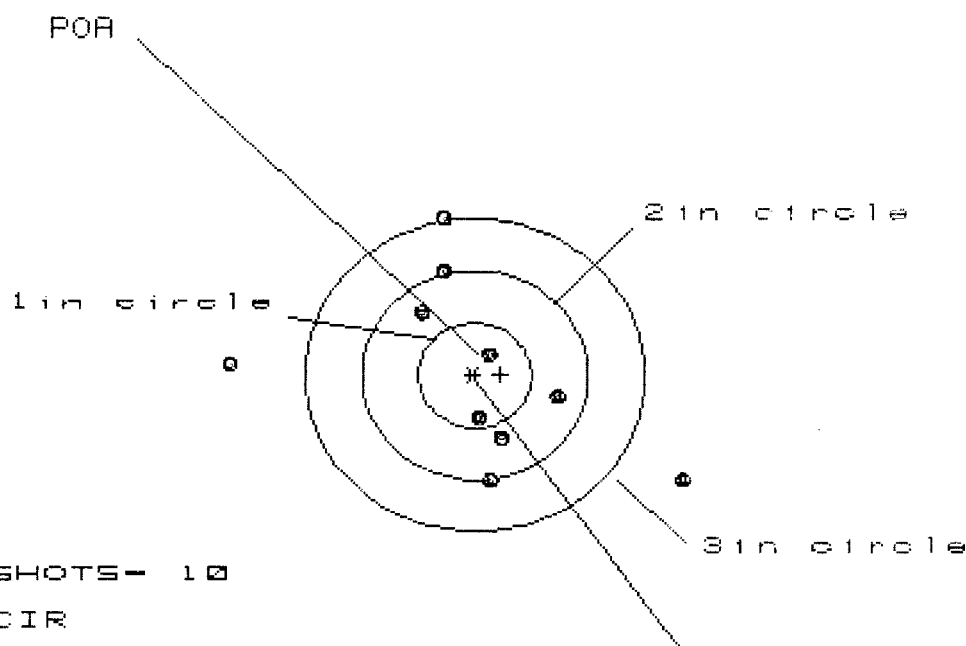
GS= 2.476

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.973	.820	.918
MINIMUM X	:	-1.377	-1.015	-.917
MAXIMUM Y	:	.588	.633	.579
MINIMUM Y	:	-.474	-.429	-.390
CENTROID X	:	.020	.173	.075
CENTROID Y	:	.153	.108	.162
POA TO CENTROID in.	:	.154	.204	.178
MIN RADIUS	:	.373	.277	.356
MEAN RADIUS	:	.846	.753	.742
MAX RADIUS	:	1.435	1.069	.996
HORIZONTAL SPREAD	:	2.350	1.835	1.835
VERTICAL SPREAD	:	1.062	1.062	.969
EXTREME SPREAD	:	2.476	1.876	1.876
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

9 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611564

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 4.012

VS= 2.479

GS= 4.150

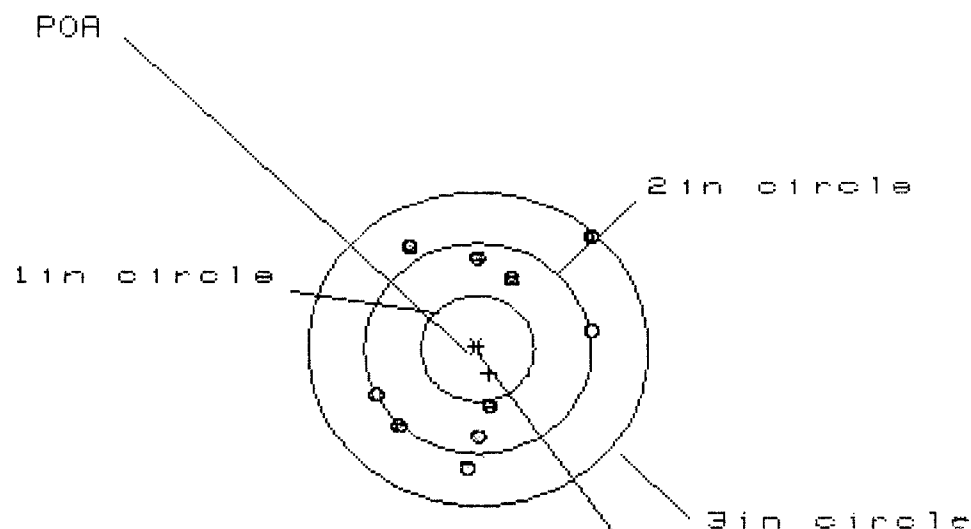
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.812	1.568	.677
MINIMUM X	:	-2.200	-.673	-.477
MAXIMUM Y	:	1.462	1.471	1.349
MINIMUM Y	:	-1.017	-1.008	-1.130
CENTROID X	:	-.231	.013	-.183
CENTROID Y	:	-.001	-.010	.112
POR TO CENTROID in.	:	.231	.016	.214
MIN RADIUS	:	.215	.202	.104
MEAN RADIUS	:	1.065	.921	.792
MAX RADIUS	:	2.201	1.846	1.379
HORIZONTAL SPREAD	:	4.012	2.241	1.154
VERTICAL SPREAD	:	2.479	2.479	2.479
EXTREME SPREAD	:	4.150	3.192	2.514
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

9 Apr 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in - 0

2in - 4

3in = 10

HS= 1.970

VS= 2.206

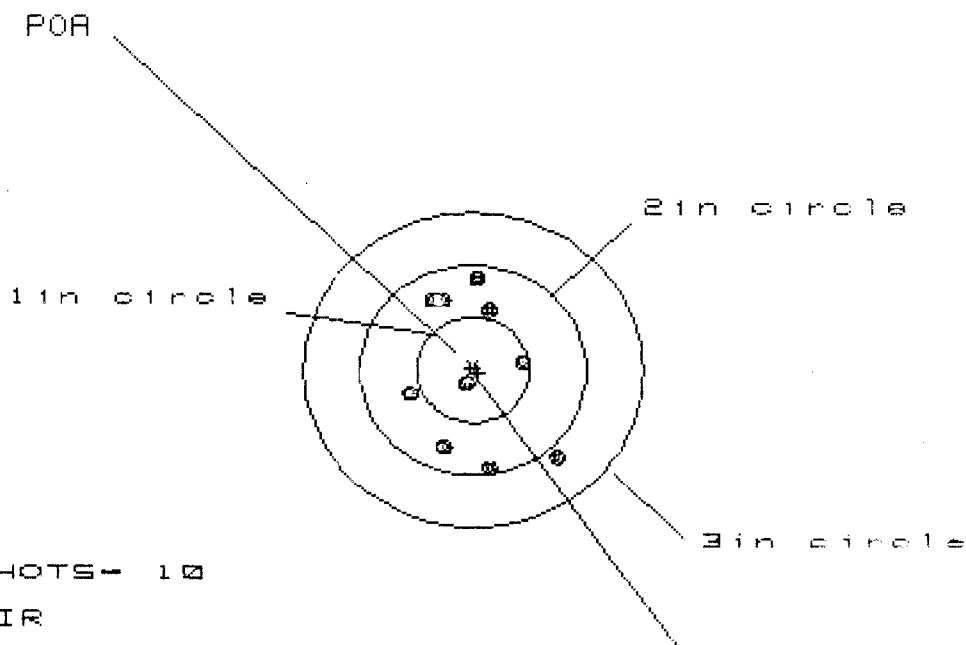
GS= 2.493

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.029	1.144	1.141
MINIMUM X	:	-.941	-.826	-.829
MAXIMUM Y	:	1.059	1.069	.940
MINIMUM Y	:	-1.147	-1.029	-.889
CENTROID X	:	-.099	-.214	-.211
CENTROID Y	:	.233	.115	.244
POA TO CENTROID in.	:	.253	.243	.322
MIN RADIUS	:	.569	.493	.610
MEAN RADIUS	:	.996	.923	.912
MAX RADIUS	:	1.476	1.186	1.148
HORIZONTAL SPREAD	:	1.970	1.970	1.970
VERTICAL SPREAD	:	2.206	2.098	1.829
EXTREME SPREAD	:	2.493	2.156	2.058
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

9 Apr 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 2

2in - 9

3in = 10

HS= 1.236

VS= 1.793

GS= 1.838

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.711	.525	.549
MINIMUM X	:	-.525	-.447	-.423
MAXIMUM Y	:	.858	.766	.638
MINIMUM Y	:	-.935	-1.027	-.970
CENTROID X	:	-.040	-.119	-.143
CENTROID Y	:	.028	.120	.248
POA TO CENTROID in.	:	.049	.169	.286
MIN RADIUS	:	.116	.172	.301
MEAN RADIUS	:	.687	.633	.568
MAX RADIUS	:	1.089	1.043	.977
HORIZONTAL SPREAD	:	1.236	.972	.972
VERTICAL SPREAD	:	1.793	1.793	1.608
EXTREME SPREAD	:	1.838	1.794	1.629
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

9 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611564

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 2.050

VS= .936

GS= 2.097

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.237	1.179	.867
MINIMUM X	:	-.813	-.676	-.528
MAXIMUM Y	:	.352	.323	.334
MINIMUM Y	:	-.584	-.613	-.602
CENTROID X	:	.033	-.104	-.252
CENTROID Y	:	-.179	-.150	-.161
POA TO CENTROID in.	:	.182	.183	.299
MIN RADIUS	:	.131	.112	.225
MEAN RADIUS	:	.665	.563	.471
MAX RADIUS	:	1.264	1.183	1.055
HORIZONTAL SPREAD	:	2.050	1.855	1.395
VERTICAL SPREAD	:	.936	.936	.936
EXTREME SPREAD	:	2.097	1.856	1.591
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		