

G-6300577
Rephae
C 659466

Repair Number: RE00078436	Serial: C6594666 Model M24 SWS Center Fire Caliber: 7.62 NATO	Repairman:	Status: Closed 3/9/2004 1:07:22 PM															
Address Information Customer: ☒ Received From ☐ Return To ☐ Received From Name: A CO 2/3RD SFG A A CO 2/3RD SFG A Address 1: FORT BRAGG FORT BRAGG Address 2: PC Box PC Box City: FORT BRAGG FORT BRAGG State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US FFL:																		
<table border="1"> <tr> <td>Contact / Condition</td> <td>Problems</td> <td>Estimate</td> <td>History / Status</td> <td>Shipping / Billing</td> </tr> </table>				Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing										
Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing														
Contact Information: Phone: Fax: Email: Comments:		Received Condition: Fair Condition Notes: CSR Notes:																
		Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Studs</td> <td>2</td> </tr> <tr> <td>A010</td> <td>Hard Case(WOG)</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A042</td> <td>Adjustable Butt Pad</td> <td>1</td> </tr> </tbody> </table>		Code	Desc	Qty	A007	With Studs	2	A010	Hard Case(WOG)	1	A017	Scope Base	1	A042	Adjustable Butt Pad	1
Code	Desc	Qty																
A007	With Studs	2																
A010	Hard Case(WOG)	1																
A017	Scope Base	1																
A042	Adjustable Butt Pad	1																
Repair Search		Refresh Close																

naglej 3/9/2004 1:23 PM CAPS NUM RIS GCP1
 start 5 2 4

66300577 (New)

Serial Number: **C6594666**

Model: **M24 SWS**



RE00078436

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300577.___0
FILE DATE AND TIME: 03/29/2004 07:14

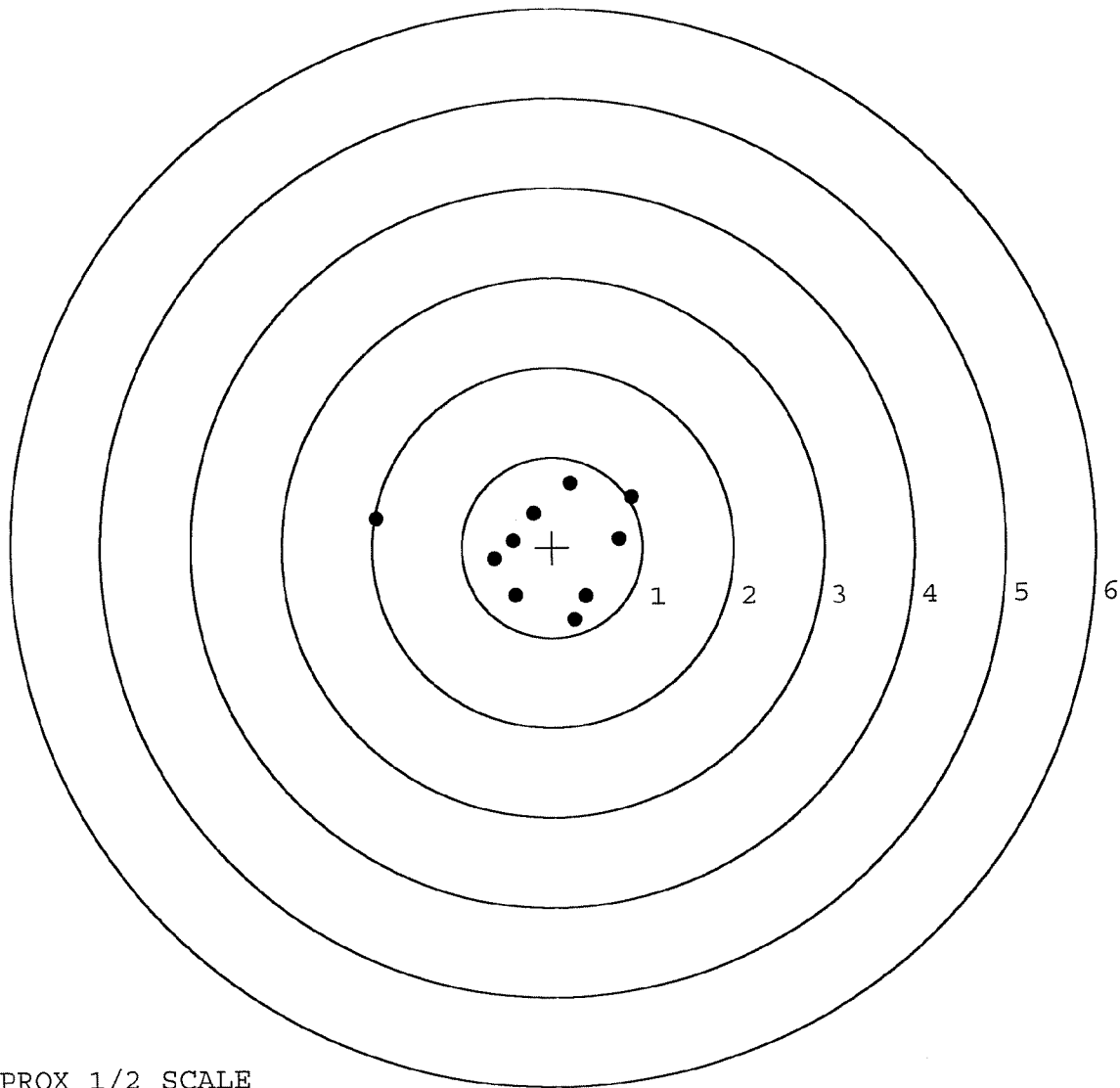
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.043
The Average Y Centroid of the Five Target Set:	-0.009
The Average Point of Impact of the Five Target Set:	0.043
The Average Mean Radius of the Five Target Set:	0.753
The Distance from POA to Centroid Target #1:	0.121
The Distance from Centroid Target #2 to Centroid Target #1:	0.058
The Distance from Centroid Target #3 to Centroid Target #1:	0.142
The Distance from Centroid Target #4 to Centroid Target #1:	0.097
The Distance from Centroid Target #5 to Centroid Target #1:	0.178

SERIAL NUMBER: G6300577. __0
 TARGET NUMBER: 1
 FILE DATE: 03/29/2004
 FILE TIME: 07:14

POINT#	X	Y
1:	0.243	-0.806
2:	0.372	-0.541
3:	0.741	0.093
4:	0.881	0.553
5:	0.207	0.712
6:	-0.202	0.374
7:	-0.432	0.076
8:	-0.642	-0.124
9:	-0.413	-0.530
10:	-1.952	0.345

X CENTROID: -0.120
 Y CENTROID: 0.015
 POA TO CENTROID: 0.121
 HORZ SPREAD: 2.833
 VERT SPREAD: 1.518
 GROUP SPREAD: 2.841
 MIN RADIUS: 0.318
 MAX RADIUS: 1.862
 MEAN RADIUS: 0.812
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300577. __ 0

TARGET NUMBER: 2

FILE DATE: 03/29/2004

FILE TIME: 07:14

POINT#	X	Y
1:	0.457	-0.800
2:	0.043	-0.424
3:	0.766	0.165
4:	-0.768	-1.174
5:	-0.365	0.679
6:	-0.963	0.517
7:	-1.250	0.330
8:	0.190	-0.064
9:	0.344	0.082
10:	0.141	0.301

X CENTROID: -0.141

Y CENTROID: -0.039

POA TO CENTROID: 0.146

HORZ SPREAD: 2.016

VERT SPREAD: 1.853

GROUP SPREAD: 2.036

MIN RADIUS: 0.331

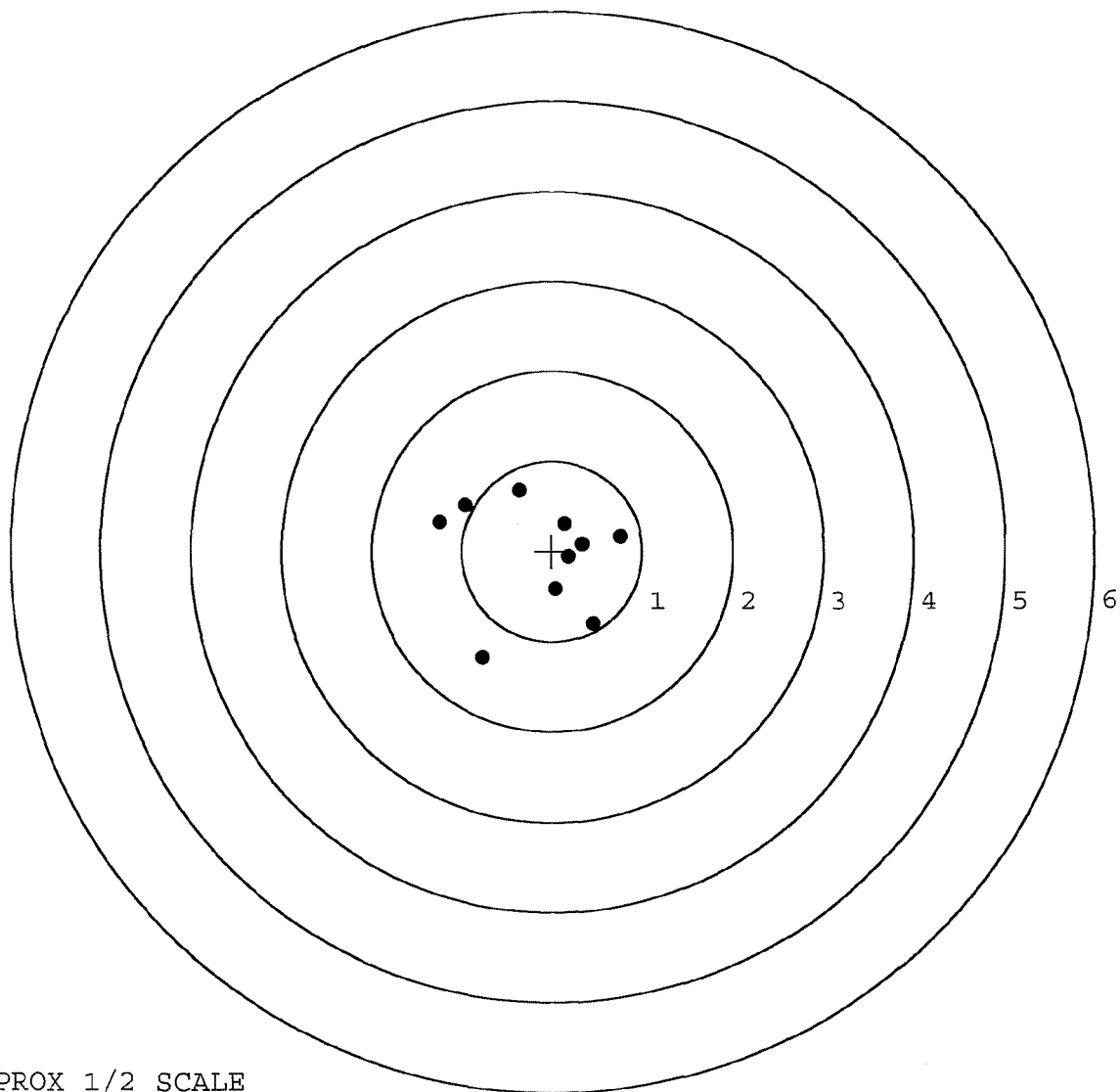
MAX RADIUS: 1.297

MEAN RADIUS: 0.781

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300577. __0

TARGET NUMBER: 3

FILE DATE: 03/29/2004

FILE TIME: 07:14

X CENTROID: 0.014

Y CENTROID: -0.031

POA TO CENTROID: 0.034

HORZ SPREAD: 2.406

VERT SPREAD: 1.593

GROUP SPREAD: 2.675

MIN RADIUS: 0.202

MAX RADIUS: 1.790

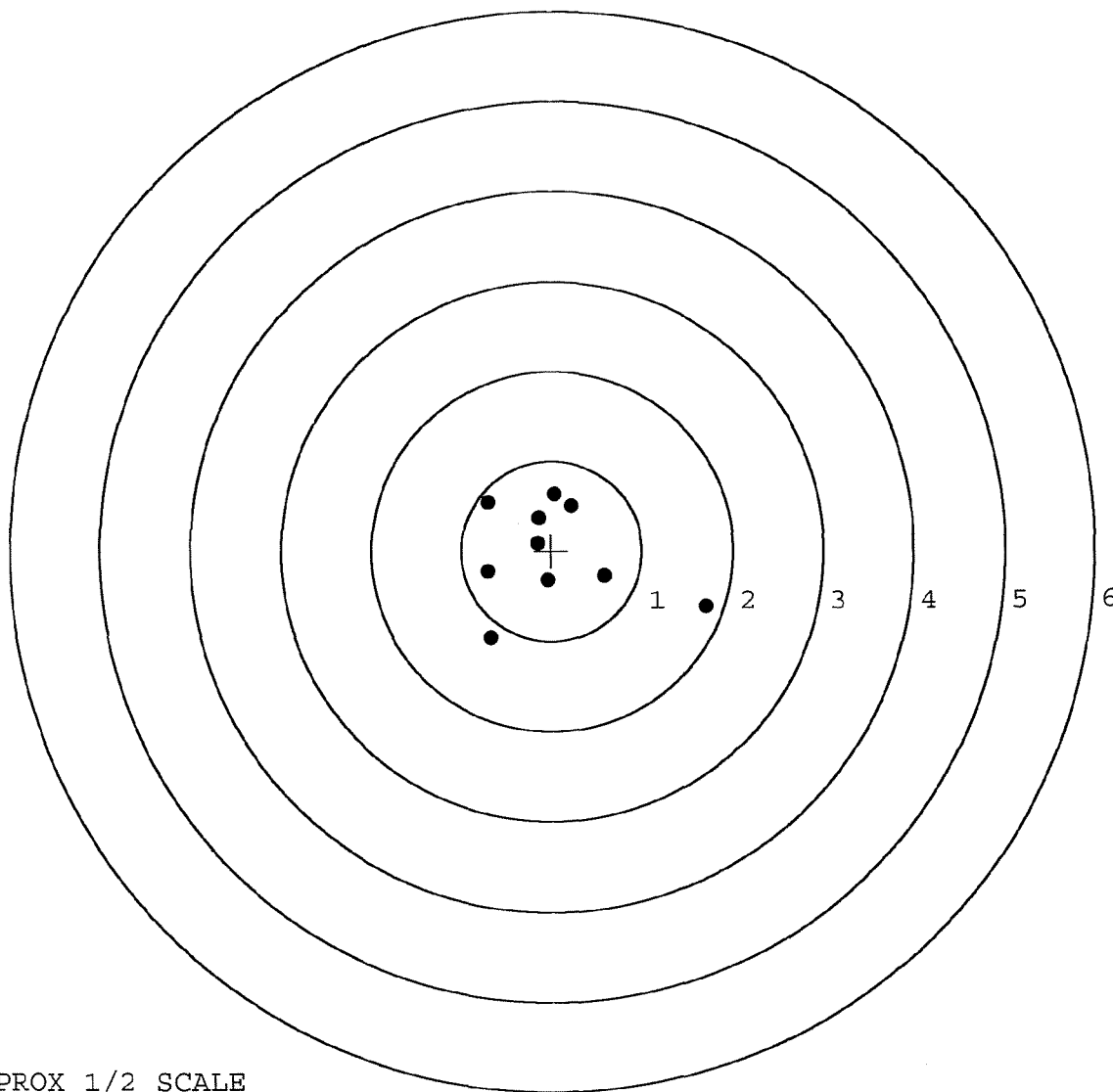
MEAN RADIUS: 0.740

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.703	-0.625
2:	0.588	-0.283
3:	-0.040	-0.330
4:	-0.152	0.083
5:	0.223	0.497
6:	0.038	0.628
7:	-0.703	0.545
8:	-0.700	-0.229
9:	-0.675	-0.965
10:	-0.142	0.366



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300577. __0

TARGET NUMBER: 4

FILE DATE: 03/29/2004

FILE TIME: 07:14

X CENTROID: -0.023

Y CENTROID: 0.023

POA TO CENTROID: 0.033

HORZ SPREAD: 1.574

VERT SPREAD: 1.645

GROUP SPREAD: 1.725

MIN RADIUS: 0.283

MAX RADIUS: 0.977

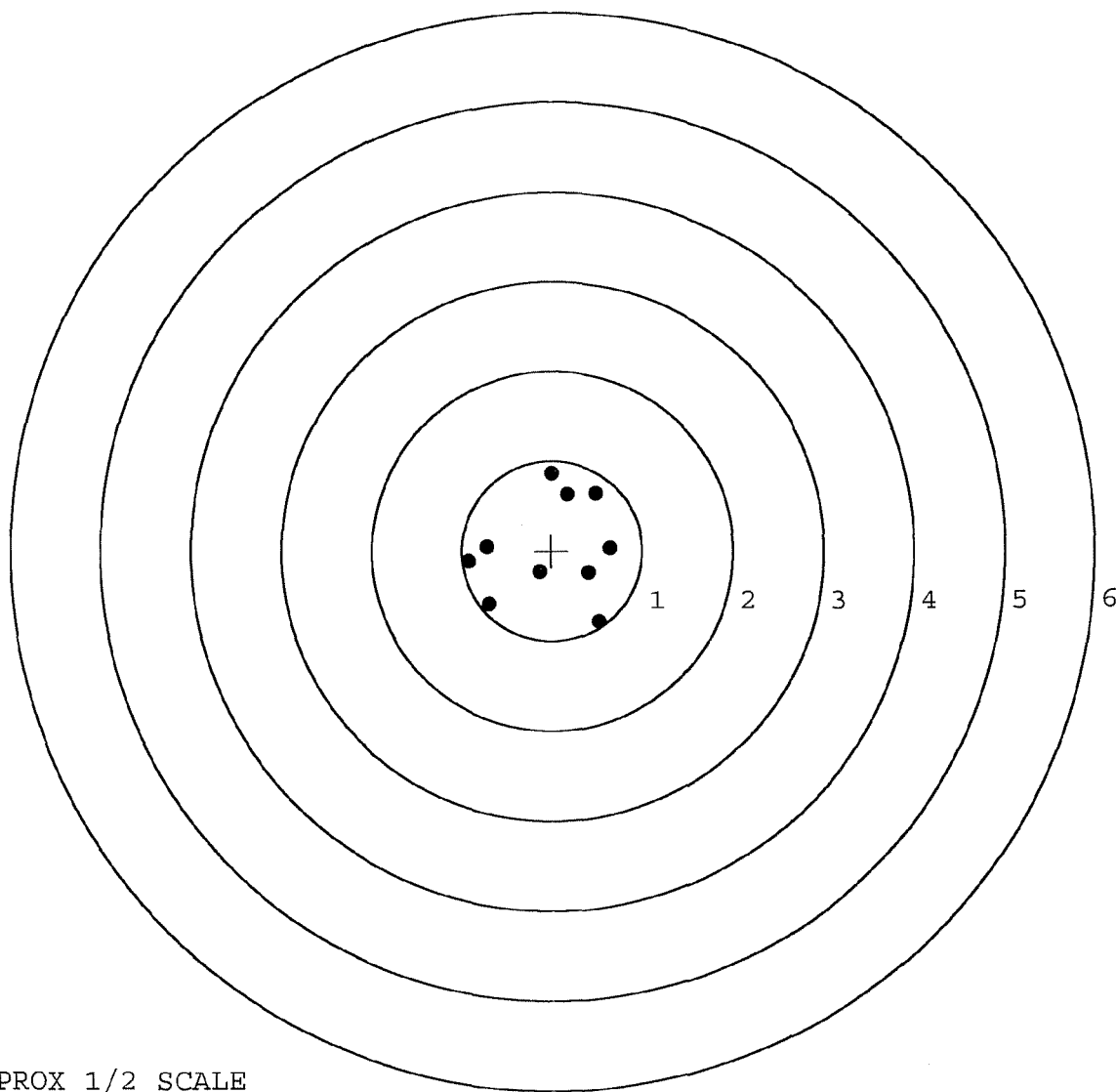
MEAN RADIUS: 0.723

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.522	-0.787
2:	0.409	-0.244
3:	0.648	0.031
4:	-0.140	-0.234
5:	-0.697	-0.592
6:	-0.926	-0.114
7:	-0.715	0.050
8:	0.003	0.858
9:	0.489	0.640
10:	0.176	0.624



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300577. 0

TARGET NUMBER: 5

FILE DATE: 03/29/2004

FILE TIME: 07:14

POINT#	X	Y
1:	1.246	0.274
2:	0.498	-0.422
3:	0.356	-0.232
4:	0.048	-0.917
5:	-0.104	-0.156
6:	-0.516	-0.905
7:	-0.473	0.384
8:	-0.344	0.571
9:	-0.191	0.704
10:	0.044	0.583

X CENTROID: 0.056

Y CENTROID: -0.012

POA TO CENTROID: 0.058

HORZ SPREAD: 1.762

VERT SPREAD: 1.621

GROUP SPREAD: 2.120

MIN RADIUS: 0.216

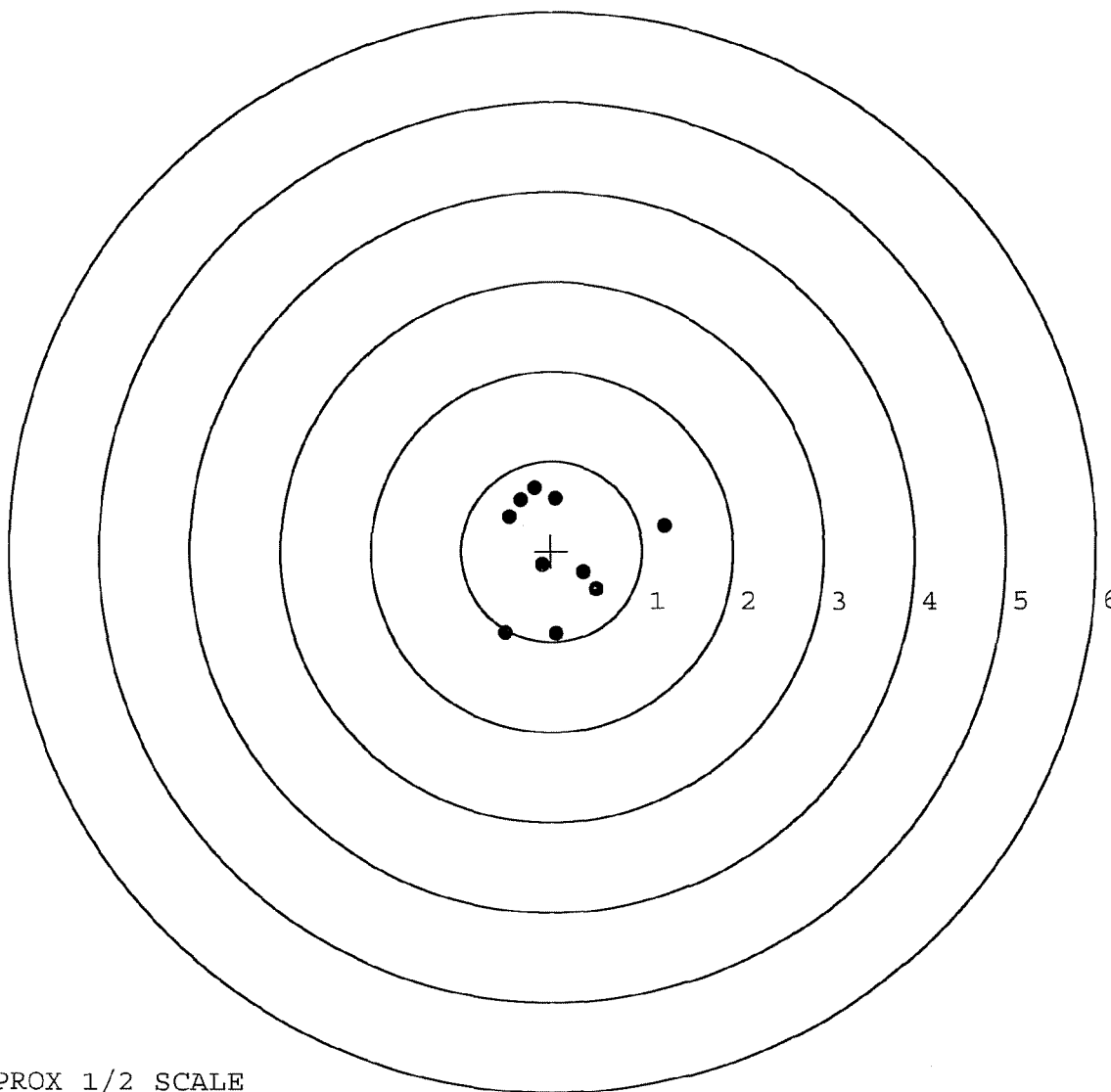
MAX RADIUS: 1.223

MEAN RADIUS: 0.710

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0162428

R & E NUMBER	78436		
SERIAL NUMBER	C6394666 C66300577 (New)		
LOG-IN DATE	3-9-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-10-04	RTL
560 A	RE-BARREL	3-11-04	RTL
B	DRILL AND TAP	3-15-04	TRW
575	ASSEMBLE	3-11-04	RTL
600	PROOF	3-11-04	RTL
605	CHECK HEADSPACE	3-11-04	RTL
610	DIS-ASSEMBLE GUN	3-11-04	RTL
612	MAGNAFLUX CRATOR	3-15-04	RTL
615	ROLLMARK CALIBER	3-11-04	RTL
618	ROTO-BLAST	3/16/2004	Dans
620	APPLY COATINGS	3-19	TA
625 A	FINAL ASSEMBLY	3-22-04	RLW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	3-29-04	TRW
655	FINAL INSPECT	4-6-04	RTL
660	PACK	4-14-04	RA
		SHIP DATE	
QAR INSPECTION DATE			

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ H24

SERIAL NO.
C6594666

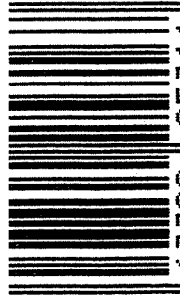
ORDER NO.
5716

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



5716 C6594666

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594666

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 16	91	RW
600	Proof	1 16	91	RW
607	Check Headspace	1 16	91	RW
610	Dis-assemble Gun	1 16	91	RW
612	Magnaflux Barrel Action	1 18	91	KR
	Magnaflux Bolt	1 18	91	KR
615	Rollmark Caliber	1 18	91	LG
617	Drill and Tap Sight Holes	1 24	91	FB
618	Polish Barrel	1 24	91	WB
620	Apply Coatings (Barrel Action)		2-15-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/18/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	RW
	C) Inspect Ejector Hole for Chamfer		2/18/91	RW
	D) Oil Firing Pin Ass'y		2/18/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3-1-91	RL

op. #	BARBER M24 0162431 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 ³ / ₄	4 ¹ / ₂	4 ¹ / ₂			3/1/91	WB
	G) Safety Off Force	2 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂			3/1/91	WB
	H) Trigger Pull Test & Retainability						3/1/91	WB
	I) Firing Pin Indent	.021	.021	.021			3/1/91	WB
	J) Assemble Stock						3/2/91	RW
	K) Assemble Swivel Studs						3-6-91	D/H
	L) Attach Front and Rear Sight Assemblies						3/2/91	RW
	M) Iron Sight Alignment						3/2/91	RW
	N) Detach Front & Rear Sights & place in numbered container						3/2/91	RW
	O) Attach Scope to Rifle						3/2/91	RW
	P) Detach & Attach Scope 20 Times						3/2/91	RW
640	Gallery Target & Test						3-4-91	AC
	A) Time						3-4-91	AC
	B) Malfunctions						3-4-91	AC
	C) Pierced Primers						3-4-91	AC
	D) Optical Clarity of Scope						3-4-91	AC
645	Inspect for Live Ammo						3-4-91	AC
655	Final Inspection							
	A) Headspace						3-6-91	D/H
	B) Trigger Pull	2.33	2.43	2.44	2.44	2.43	3-5-91	WB
	C) Function						3-6-91	D/H
660	Pack						3-15-91	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594666DATE 3-1-91TESTER [Signature]
VALIDITY [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET TO 2.50#		COMMENTS
PULL #1	2.26	2.27	2.42	2.33	MIN. SETTING,
PULL #2	2.18	2.16	2.47	2.43	NO AVG. OF 5
PULL #3	2.24	2.20	2.31	2.44	READINGS ACCEPT-
PULL #4	2.18	2.29	2.48	2.44	ABLE LESS THAN 2#
PULL #5	2.18	2.28	2.54	2.43	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.36		
PULL #2	3.34	3.34		
PULL #3	3.38	3.36		
PULL #4	3.36	3.33		
PULL #5	3.28	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.17		4.55
PULL #2	4.39	4.31		4.20
PULL #3	4.30	4.31		4.24
PULL #4	4.30	4.35		4.40
PULL #5	4.21	4.30		4.43
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594666
4 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.1686
1 TO	2	.386453
1 TO	3	.0398246
1 TO	4	.189114
1 TO	5	.0948472

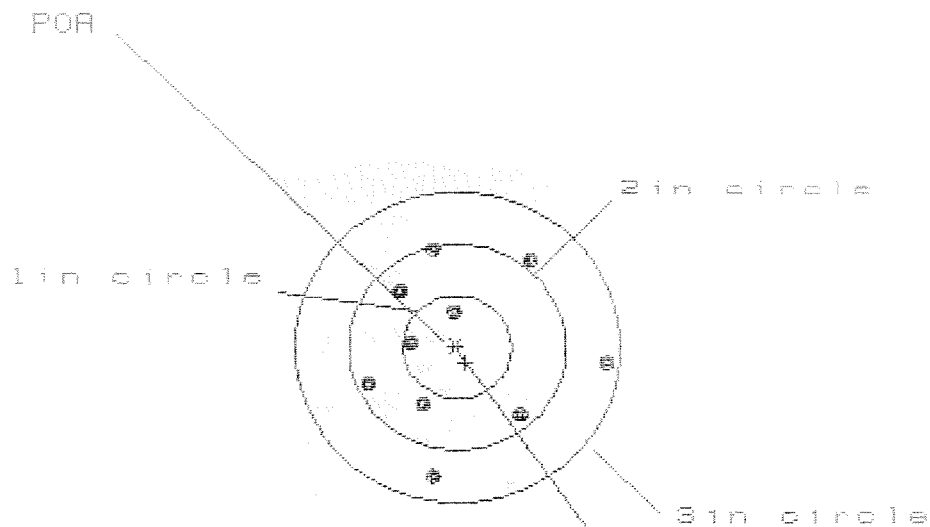
24 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1762
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0714
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .190117
THE AMR FOR THIS RIFLE IS: .7752

4 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08534686

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.272

VS= 2.215

GS= 2.286

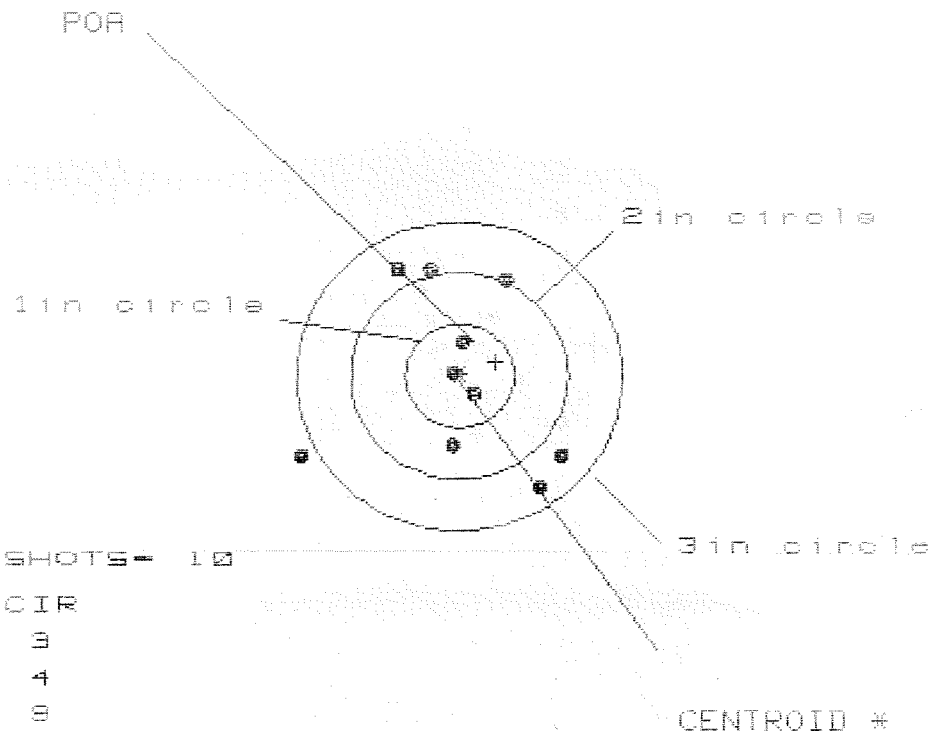
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.411	.807	.800
MINIMUM X	-.861	-.704	-.711
MAXIMUM Y	.981	.962	.805
MINIMUM Y	-1.234	-1.253	-.787
CENTROID X	-.075	-.232	-.225
CENTROID Y	.151	.170	.327
POA TO CENTROID in.	.169	.288	.397
MIN RADIUS	.401	.320	.234
MEAN RADIUS	.886	.794	.714
MAX RADIUS	1.422	1.254	1.102
HORIZONTAL SPREAD	2.272	1.511	1.511
VERTICAL SPREAD	2.215	2.215	1.592
EXTREME SPREAD	2.286	2.286	1.962
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

4 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594666

CENTERFIRE PATTERNS # 2



HS= 2.435

VS= 2.136

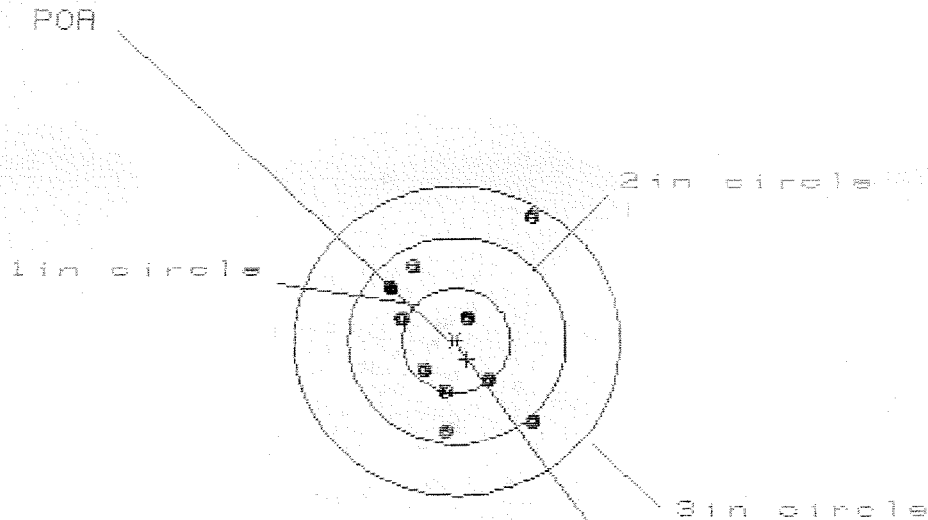
GS= 2.597

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	.962
MINIMUM X	-1.473
MAXIMUM Y	1.043
MINIMUM Y	-1.093
CENTROID X	-.336
CENTROID Y	-.134
POA TO CENTROID in.	.361
MIN RADIUS	.065
MEAN RADIUS	.885
MAX RADIUS	1.656
HORIZONTAL SPREAD	2.435
VERTICAL SPREAD	2.136
EXTREME SPREAD	2.597
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9

4 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594866

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.354

VS= 2.091

GS= 2.243

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.747	.761	.520
MINIMUM X	:	-.607	-.524	-.429
MAXIMUM Y	:	1.233	.819	.735
MINIMUM Y	:	-.858	-.721	-.805
CENTROID X	:	-.100	-.183	-.278
CENTROID Y	:	.182	.045	.129
POA TO CENTROID in.	:	.207	.188	.306
MIN RADIUS	:	.214	.230	.243
MEAN RADIUS	:	.716	.612	.557
MAX RADIUS	:	1.442	1.018	.813
HORIZONTAL SPREAD	:	1.354	1.285	.949
VERTICAL SPREAD	:	2.091	1.540	1.540
EXTREME SPREAD	:	2.243	1.878	1.571
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	

4 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594686

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 5

2in = 9

3in = 9

HS = 1.309

VS = 2.397

GS = 2.485

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.714	.662	.389
MINIMUM X	:	-.596	-.647	-.564
MAXIMUM Y	:	1.643	.575	.551
MINIMUM Y	:	-.754	-.571	-.595
CENTROID X	:	-.255	-.204	-.287
CENTROID Y	:	.093	-.090	-.066
POA TO CENTROID in.	:	.272	.223	.295
MIN RADIUS	:	.241	.127	.207
MEAN RADIUS	:	.609	.444	.413
MAX RADIUS	:	1.706	.688	.675
HORIZONTAL SPREAD	:	1.309	1.309	.953
VERTICAL SPREAD	:	2.397	1.146	1.146
EXTREME SPREAD	:	2.485	1.320	1.157
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

4 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/GS594666

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS = 1.767

VS = 2.567

GS = 2.952

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.708
MINIMUM X	-1.059
MAXIMUM Y	.740
MINIMUM Y	-1.827
CENTROID X	-.115
CENTROID Y	.065
POA TO CENTROID in.	.132
MIN RADIUS	.249
MEAN RADIUS	.780
MAX RADIUS	1.889
HORIZONTAL SPREAD	1.767
VERTICAL SPREAD	2.567
EXTREME SPREAD	2.952
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	9