

C6348909

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00082197

Serial: C6348909 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 6/23/2004 11:04:23 AM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: DEF DIST ANNISTON

DEF DIST ANNISTON

Address 1: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 2: PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201

Country: US

State: AL

Zip Code: 36201

Country: US

FFL:

Contact / Condition

Problems:

Estimate

History / Status

Shipping / Billing

Contact Information:

Phone:

Fax:

Email:

Comments:

Received Condition:

Good

Condition
Notes:CSR
Notes:

Accessories Received:

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A008	With Swivel	2
A010	Hard Case	1
A017	Scope Base	2
A026	Scope	1
A045	Bi Pod	1
C001	Front and Rear Bases	1

Repair Search

Refresh

Close

haglerj

6/23/2004

2:12 PM

CAPS

NUM

INS

SCPL

start

3

3

2

Serial
Number:

C6348909

Model: M24 SWS



RE00082197

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348909.____0
FILE DATE AND TIME: 06/30/2004 08:11

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.033
The Average Y Centroid of the Five Target Set:	0.102
The Average Point of Impact of the Five Target Set:	0.107
The Average Mean Radius of the Five Target Set:	0.798
The Distance from POA to Centroid Target #1:	0.226
The Distance from Centroid Target #2 to Centroid Target #1:	0.254
The Distance from Centroid Target #3 to Centroid Target #1:	0.474
The Distance from Centroid Target #4 to Centroid Target #1:	0.207
The Distance from Centroid Target #5 to Centroid Target #1:	0.849

BARBER - M24 0041328

SERIAL NUMBER: C6348909. __ 0

TARGET NUMBER: 1

FILE DATE: 06/30/2004

FILE TIME: 08:11

POINT#	X	Y
1:	-0.524	1.170
2:	-0.962	0.261
3:	-0.333	0.456
4:	0.489	0.122
5:	0.037	0.042
6:	-0.319	-0.432
7:	0.409	-0.637
8:	0.105	-0.778
9:	1.065	-0.837
10:	0.729	-1.514

X CENTROID: 0.070

Y CENTROID: -0.215

POA TO CENTROID: 0.226

HORZ SPREAD: 2.027

VERT SPREAD: 2.684

GROUP SPREAD: 2.962

MIN RADIUS: 0.259

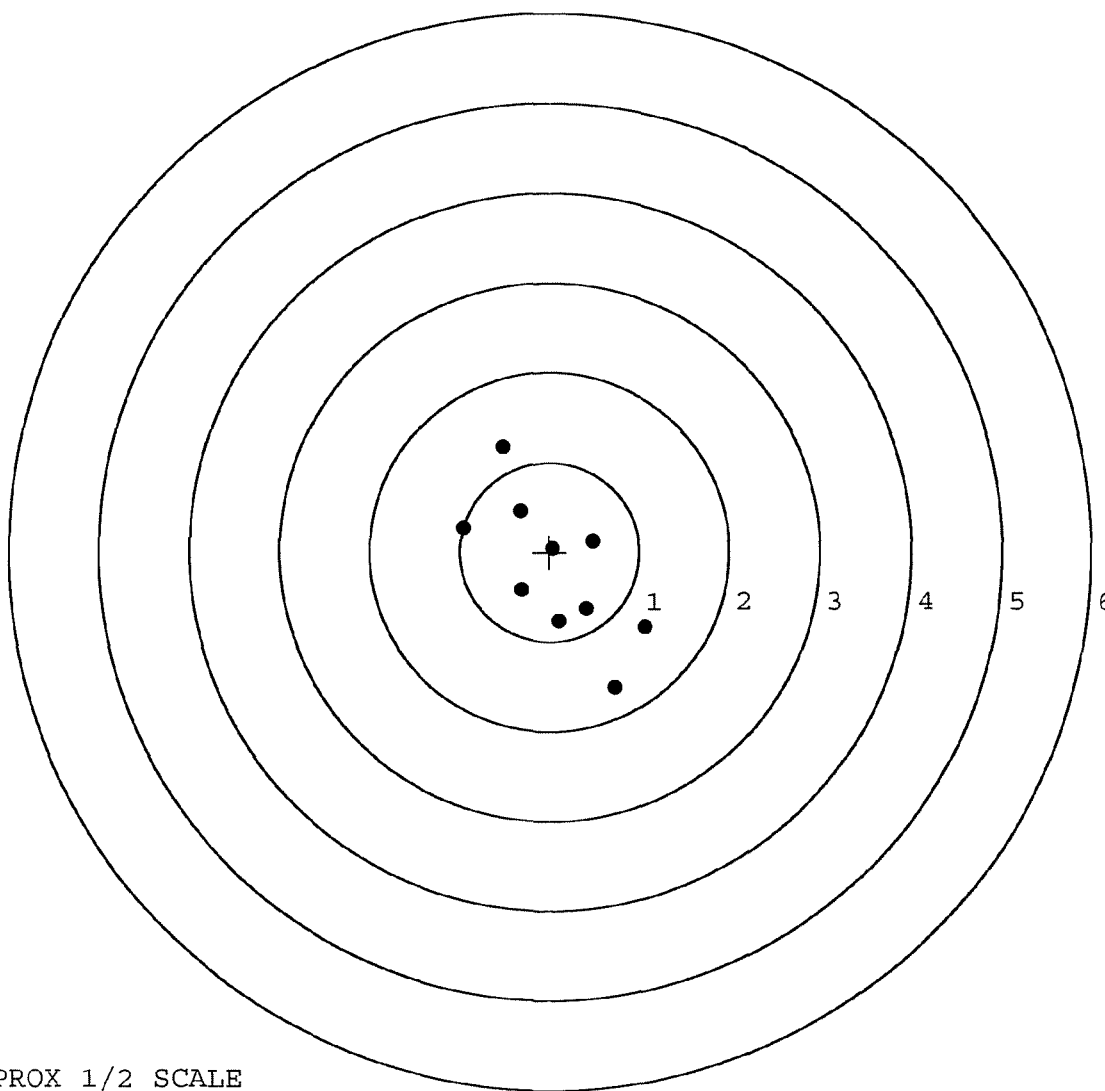
MAX RADIUS: 1.507

MEAN RADIUS: 0.840

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

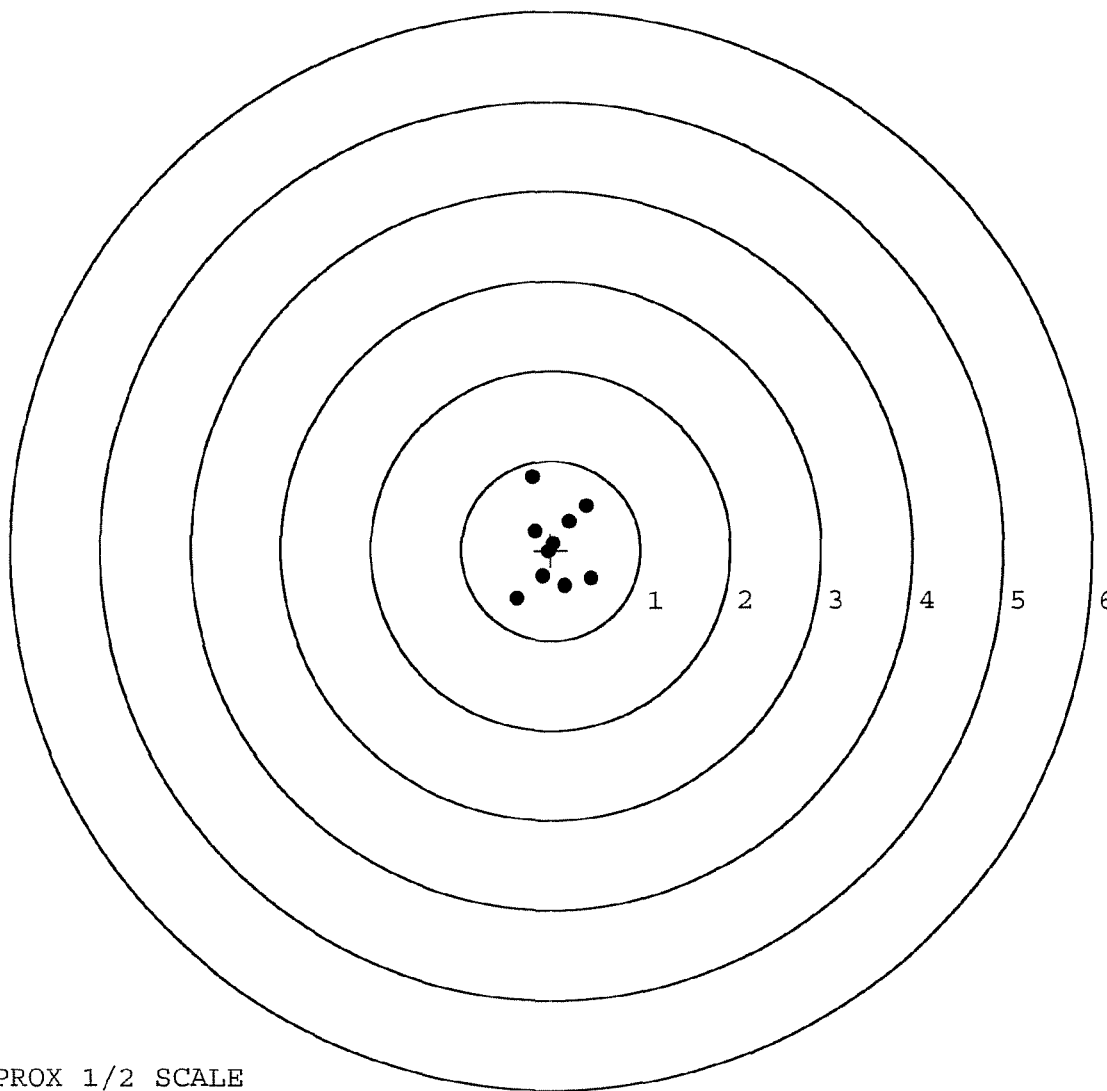
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0041329

SERIAL NUMBER: C6348909. __0	POINT#	X	Y
TARGET NUMBER: 2	1:	0.394	0.496
FILE DATE: 06/30/2004	2:	-0.210	0.819
FILE TIME: 08:11	3:	0.206	0.321
	4:	-0.182	0.217
X CENTROID: 0.033	5:	0.448	-0.319
Y CENTROID: 0.037	6:	0.156	-0.396
POA TO CENTROID: 0.049	7:	-0.099	-0.292
HORZ SPREAD: 0.831	8:	-0.027	-0.017
VERT SPREAD: 1.360	9:	-0.383	-0.541
GROUP SPREAD: 1.371	10:	0.031	0.077
MIN RADIUS: 0.041			
MAX RADIUS: 0.819			
MEAN RADIUS: 0.420			
# IN 1 IN DIAMETER: 6			
# IN 2 IN DIAMETER: 10			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0041330

SERIAL NUMBER: C6348909. __ 0

TARGET NUMBER: 3

FILE DATE: 06/30/2004

FILE TIME: 08:11

POINT#	X	Y
1:	-0.790	1.151
2:	-0.522	0.968
3:	-0.273	0.601
4:	-0.284	0.373
5:	0.454	0.476
6:	-0.040	-0.054
7:	0.148	-0.098
8:	-0.655	-0.139
9:	0.041	-0.574
10:	0.469	-0.627

X CENTROID: -0.145

Y CENTROID: 0.208

POA TO CENTROID: 0.253

HORZ SPREAD: 1.259

VERT SPREAD: 1.778

GROUP SPREAD: 2.179

MIN RADIUS: 0.216

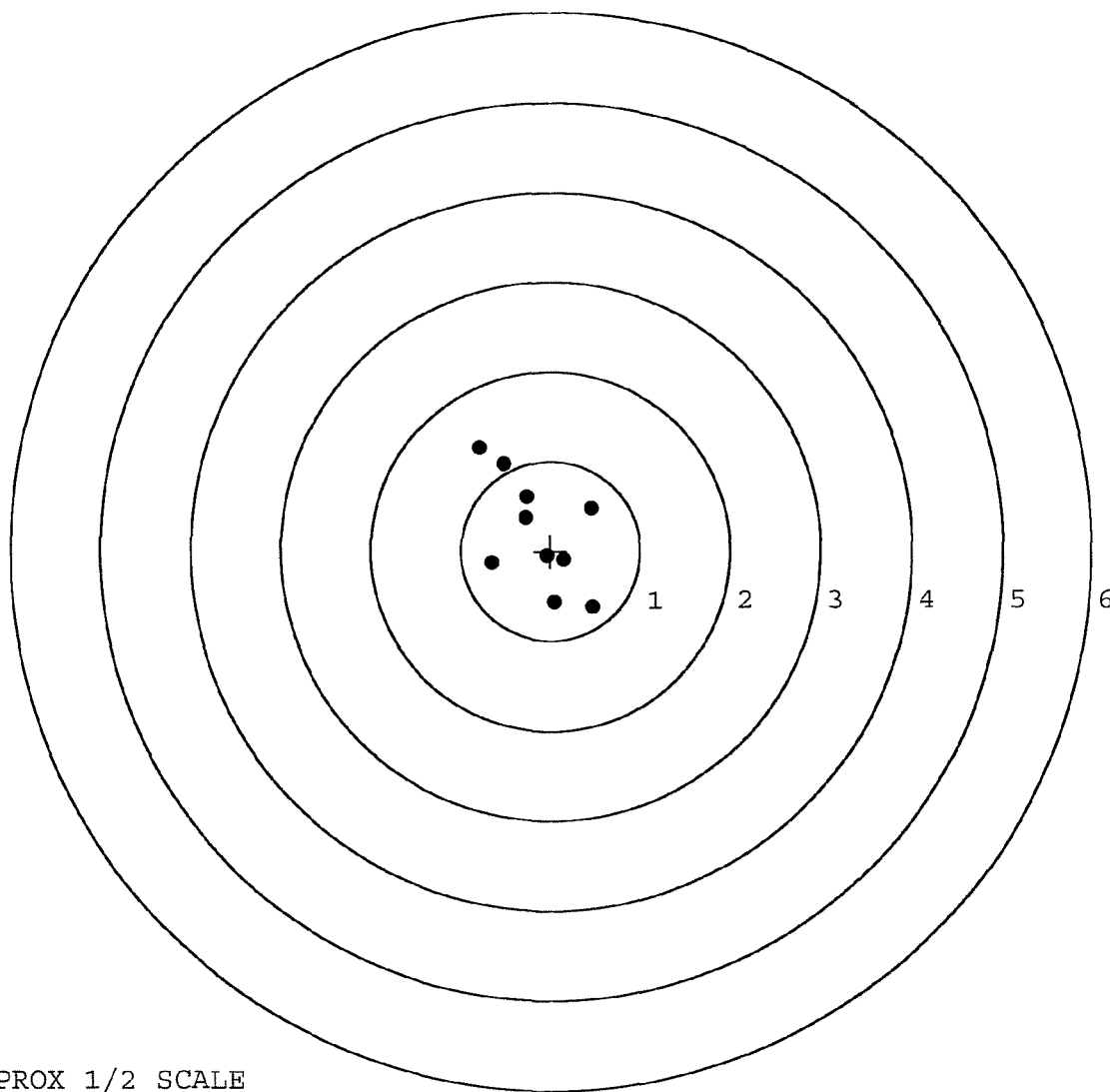
MAX RADIUS: 1.143

MEAN RADIUS: 0.644

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0041331

SERIAL NUMBER: C6348909. __0

TARGET NUMBER: 4

FILE DATE: 06/30/2004

FILE TIME: 08:11

POINT#	X	Y
1:	-1.392	0.676
2:	-0.013	1.546
3:	0.156	0.751
4:	0.203	0.421
5:	0.823	0.229
6:	-0.408	-0.354
7:	-0.032	-0.635
8:	0.187	-0.940
9:	-0.751	-1.332
10:	-0.051	-1.882

X CENTROID: -0.128

Y CENTROID: -0.152

POA TO CENTROID: 0.199

HORZ SPREAD: 2.215

VERT SPREAD: 3.428

GROUP SPREAD: 3.428

MIN RADIUS: 0.345

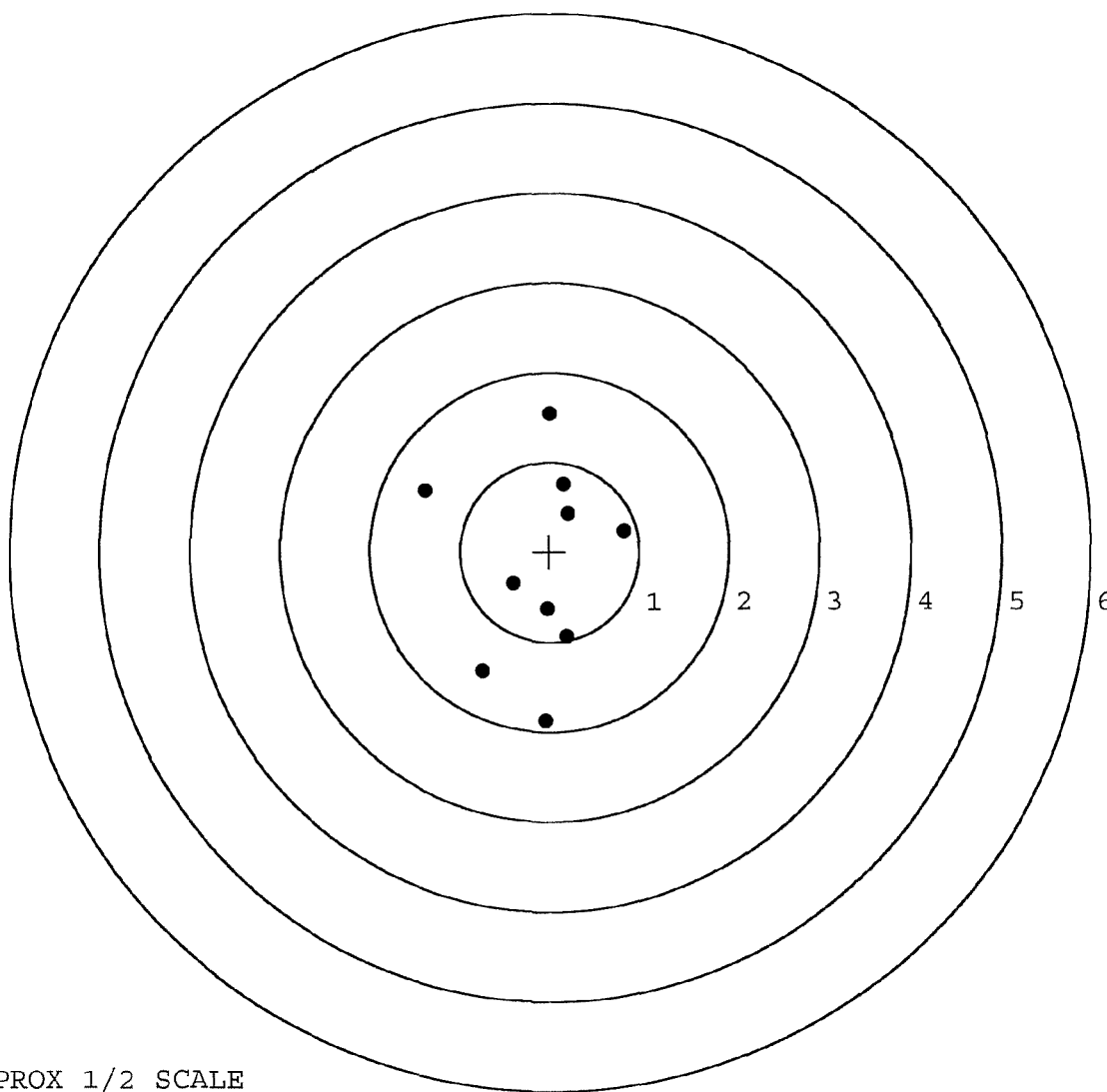
MAX RADIUS: 1.732

MEAN RADIUS: 1.060

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

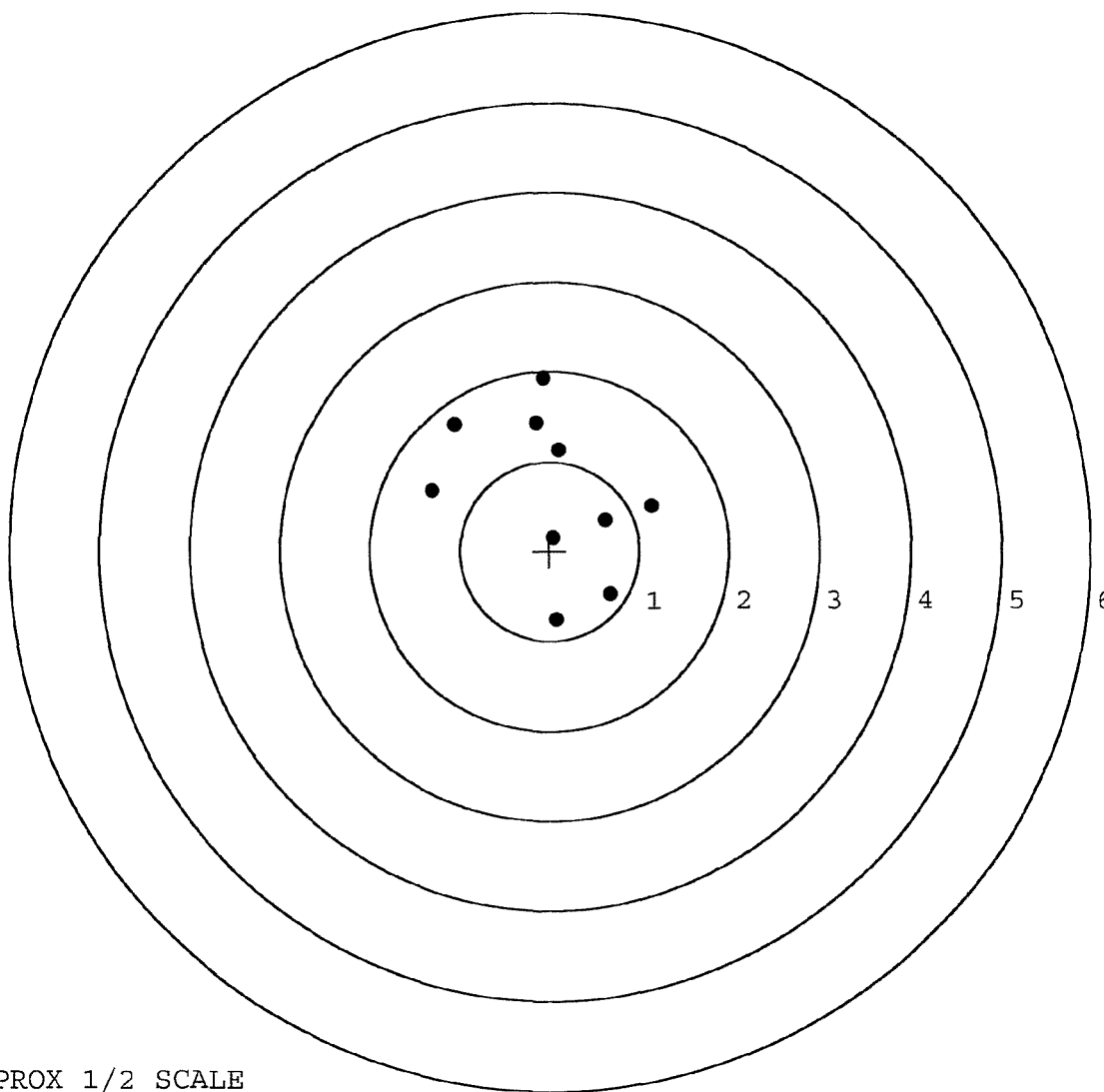
in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

BARBER - M24 0041332

SERIAL NUMBER: C6348909. 0	POINT#	X	Y
TARGET NUMBER: 5	1:	-1.065	1.409
FILE DATE: 06/30/2004	2:	-1.311	0.677
FILE TIME: 08:11	3:	-0.076	1.923
	4:	-0.159	1.430
X CENTROID: 0.005	5:	0.106	1.129
Y CENTROID: 0.632	6:	0.618	0.348
POA TO CENTROID: 0.632	7:	1.138	0.507
HORZ SPREAD: 2.449	8:	0.042	0.147
VERT SPREAD: 2.690	9:	0.677	-0.485
GROUP SPREAD: 2.694	10:	0.076	-0.767
MIN RADIUS: 0.486			
MAX RADIUS: 1.401			
MEAN RADIUS: 1.026			
# IN 1 IN DIAMETER: 1			
# IN 2 IN DIAMETER: 4			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

R & E NUMBER	82197		
SERIAL NUMBER	C6348909		
LOG-IN DATE	6-23-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-24-04	RTL
560 A	RE-BARREL		
B	DRILL AND TAP	6-25-04	TRW
575	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE		
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST	6/23/2004	DMS.
620	APPLY COATINGS	6/28	HP.
625 A	FINAL ASSEMBLY	6-29-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	6-30-04	AL
655	FINAL INSPECT	7-1-04	RTL
660	PACK	7-8-04	JA
		SHIP DATE	
	QAR INSPECTION DATE		

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

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

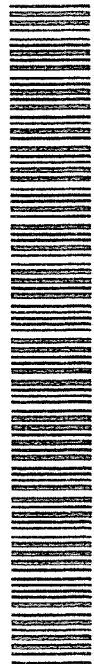
MODEL 700™ H24

SERIAL NO.
C6348909

ORDER NO.
5716

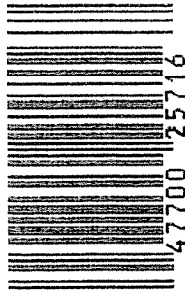
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off., Marca Registrada Marque Deposee.

01



5716 C6348909

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348909

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace	9 14	89	RW
610	Dis-assemble Gun	9 14	89	RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	GS
7	Drill and Tap Sight Holes	9 15	89	FB
618	Polish Barrel	9 15	89	BT
620	Apply Coatings (Barrel Action)		9-15-89	JSF
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/27/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/27/89	RW
	C) Inspect Ejector Hole for Chamfer		9/27/89	RW
	D) Oil Firing Pin Ass'y		9/27/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		20089	LS

BARBER - M24 0041336		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	6	6	6			10/2/89	JD
	G) Safety Off Force	3	3	3			10/2/89	JD
	H) Trigger Pull Test & Retainability						10/2/89	JD
	I) Firing Pin Indent	.0205	.021	.0205			10/2/89	JD
	J) Assemble Stock						10/3/89	RW
	K) Assemble Swivel Studs						10/3/89	JD
	L) Attach Front and Rear Sight Assemblies						10/3/89	RW
	M) Iron Sight Alignment						10/3/89	RW
	N) Detach Front & Rear Sights & place in numbered container						10/3/89	RW
	O) Attach Scope to Rifle						10/3/89	JD
	P) Detach & Attach Scope 20 Times						10/3/89	JD
640	Gallery Target & Test						10-4-89	JD
	A) Time						10-4-89	JD
	B) Malfunctions						10-4-89	JD
	C) Pierced Primers						10-4-89	JD
	D) Optical Clarity of Scope						10-4-89	JD
645	Inspect for Live Ammo						10-4-89	JD
655	Final Inspection						10/2/89	JD
	A) Headspace						10/2/89	JD
	B) Trigger Pull	256	252	261	260	255	10/2/89	JD
	C) Function						10/2/89	JD
660	Pack						14 Dec 89	JD

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 66348909DATE 3-13-90TESTER JUL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.50	2.34		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.52	2.40		
PULL #3	2.32	2.56	2.50		
PULL #4	2.40	2.45	2.41		
PULL #5	2.41	2.43	2.40		
TOTAL	12.18	12.46	12.05		
AVG.	2.436	2.492	2.41		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.30		
PULL #2	3.40	3.48		
PULL #3	3.41	3.41		
PULL #4	3.45	3.50		
PULL #5	3.43	3.15		
TOTAL	17.12	16.84		
AVG.	3.424	3.368		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.46	4.36		
PULL #2	4.42	4.29		
PULL #3	4.42	4.31		
PULL #4	4.19	4.34		
PULL #5	4.31	4.42		
TOTAL	21.80	21.72		
AVG.	4.36	4.344		

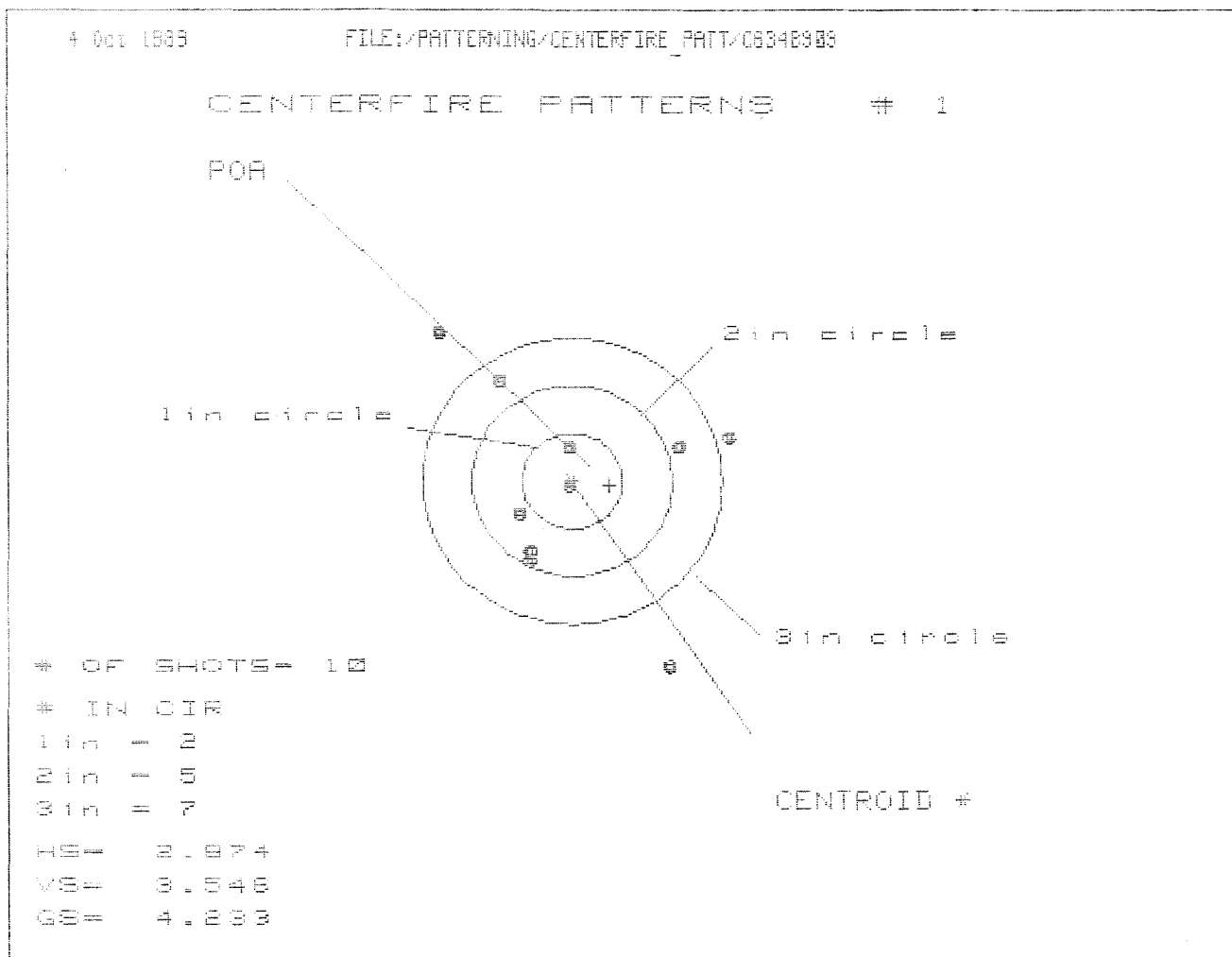
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348909
4 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.371162
1 TO	2	.567001
1 TO	3	.286323
1 TO	4	.587554
1 TO	5	.681674

1st⁵ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .026
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0600
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0661259
THE AMP FOR THIS RIFLE IS: 1.071



PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.521	1.627	1.471
MINIMUM X	-1.353	-1.247	-1.797
MAXIMUM Y	1.601	1.384	1.060
MINIMUM Y	-1.945	-1.037	-1.863
CENTROID X	-1.369	-1.475	-1.320
CENTROID Y	.040	.257	.083
POI TO CENTROID in.	.371	.540	.330
MIN RADIUS	.063	.220	.118
MEAN RADIUS	1.118	1.009	.874
MAX RADIUS	2.168	1.863	1.525
HORIZONTAL SPREAD	2.874	2.874	2.269
VERTICAL SPREAD	3.546	2.421	1.924
EXTREME SPREAD	4.233	3.098	2.363
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		7	

4 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348989

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 2.425

VS = 3.656

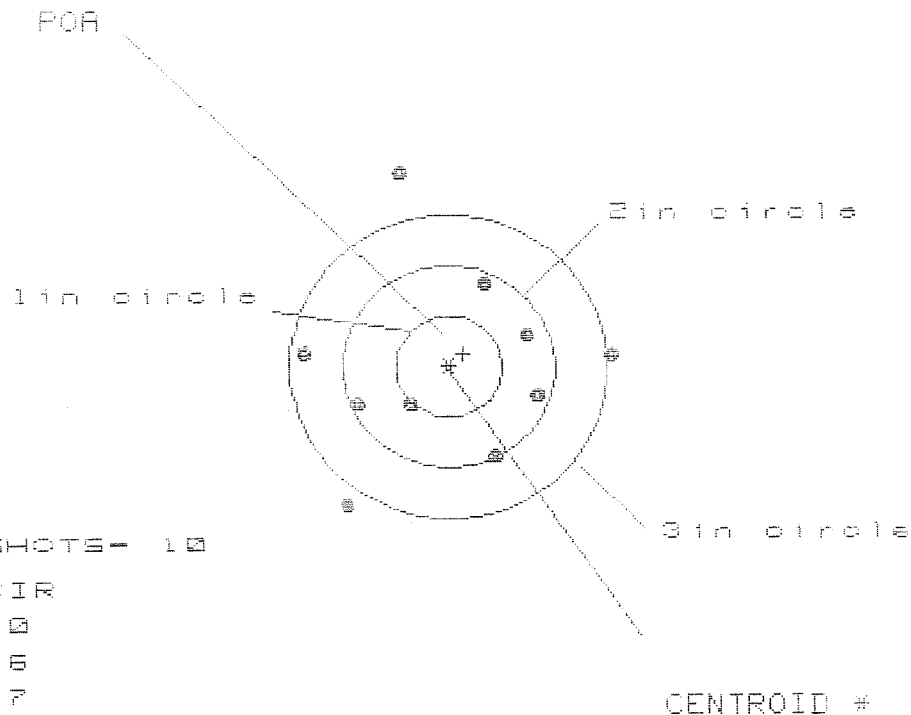
GS = 3.857

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.204	1.205	1.052
MINIMUM X	-1.221	-1.220	-1.761
MAXIMUM Y	1.465	1.222	1.118
MINIMUM Y	-2.191	-1.433	-1.281
CENTROID X	.154	.153	.306
CENTROID Y	-.179	.064	-.088
POA TO CENTROID in.	.236	.166	.318
MIN RADIUS	.132	.358	.303
MEAN RADIUS	1.165	1.044	.958
MAX RADIUS	2.191	1.727	1.451
HORIZONTAL SPREAD	2.425	2.425	1.813
VERTICAL SPREAD	3.656	2.655	2.399
EXTREME SPREAD	3.857	3.357	2.609
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

4 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348989

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 7

HS= 2.873

VS= 3.282

CS= 3.320

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.521	1.473	1.350
MINIMUM X	:	-1.352	-1.400	-1.523
MAXIMUM Y	:	1.875	.997	.847
MINIMUM Y	:	-1.407	-1.199	-1.783
CENTROID X	:	-.135	-.087	.036
CENTROID Y	:	-.125	-.333	-.183
POA TO CENTROID in.	:	.184	.344	.187
MIN RADIUS	:	.510	.411	.595
MEAN RADIUS	:	1.139	1.027	.948
MAX RADIUS	:	1.924	1.551	1.534
HORIZONTAL SPREAD	:	2.873	2.873	2.873
VERTICAL SPREAD	:	3.282	2.196	1.630
EXTREME SPREAD	:	3.320	2.906	2.873
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

4 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348989

CENTERFIRE PATTERNS # 4

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 10

HS = 2.662

VS = 2.187

GS = 2.768

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.230	1.071	.848
MINIMUM X	-1.432	-.952	-.819
MAXIMUM Y	1.155	1.148	1.233
MINIMUM Y	-1.032	-1.039	-.954
CENTROID X	.175	.334	.201
CENTROID Y	-.182	-.175	-.260
POR TO CENTROID in.	.253	.377	.328
MIN RADIUS	.234	.136	.272
MEAN RADIUS	.905	.838	.774
MAX RADIUS	1.434	1.270	1.287
HORIZONTAL SPREAD	2.662	2.023	1.666
VERTICAL SPREAD	2.187	2.187	2.187
EXTREME SPREAD	2.768	2.404	2.404
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

4 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348989

CENTERFIRE PATTERNS # 5

FOR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 2.415

VS= 2.513

GS= 3.414

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.423
MINIMUM X	-0.992
MAXIMUM Y	1.176
MINIMUM Y	-1.337
CENTROID X	.305
CENTROID Y	.142
FOR TO CENTROID IN.	.336
MIN RADIUS	.290
MEAN RADIUS	1.028
MAX RADIUS	1.784
HORIZONTAL SPREAD	2.415
VERTICAL SPREAD	2.513
EXTREME SPREAD	3.414
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	7