

C6522179

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00061156

Serial: C6522179 Model 700 Center Fire Caliber:
7.62 NATO M-24 (SWS)

Repairman:

Verify Repair

Status:

Closed 2/5/2003 12:40:09 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: CO C SUPPORT BATTALION

CO C SUPPORT BATTALION

Address 1: 1 ST SWTG (A)

1 ST SWTG (A)

Address 2: ATTN ARMAMENT FAC

PO Box:

ATTN ARMAMENT FAC

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Poor

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A017	Scope Base	1
A026	Scope	1
X	FRT & REAR SGT BA	1

Repair Search

Refresh

Close

negletj

2/6/2003

8:06 AM

CAPS

NUM

INS

SCRL

start

Index - Microsoft

Calendar - Micro

Show Show - M

Arms Services R...

8:06 AM

Serial
Number:

C6522179

Model: 700



RE00061156

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522179.___0
FILE DATE AND TIME: 03/08/2003 11:40

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

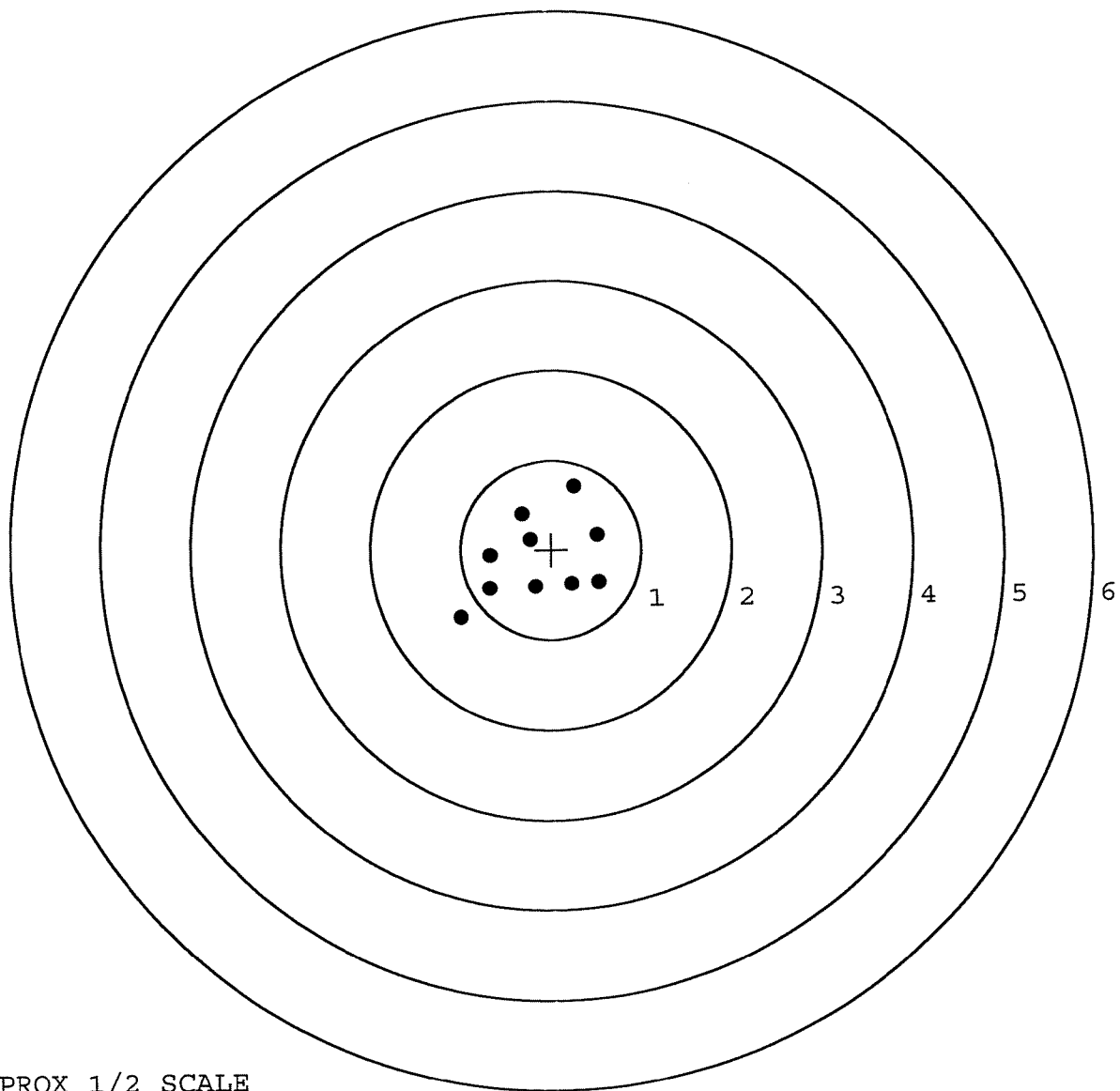
The Average X Centroid of the Five Target Set:	-0.085
The Average Y Centroid of the Five Target Set:	-0.082
The Average Point of Impact of the Five Target Set:	0.118
The Average Mean Radius of the Five Target Set:	0.681
The Distance from POA to Centroid Target #1:	0.188
The Distance from Centroid Target #2 to Centroid Target #1:	0.163
The Distance from Centroid Target #3 to Centroid Target #1:	0.045
The Distance from Centroid Target #4 to Centroid Target #1:	0.101
The Distance from Centroid Target #5 to Centroid Target #1:	0.146

BARBER - M24 0003424

SERIAL NUMBER: C6522179. __0
TARGET NUMBER: 1
FILE DATE: 03/08/2003
FILE TIME: 11:40

X CENTROID: -0.157
Y CENTROID: -0.104
POA TO CENTROID: 0.188
HORZ SPREAD: 1.532
VERT SPREAD: 1.451
GROUP SPREAD: 1.925
MIN RADIUS: 0.234
MAX RADIUS: 1.065
MEAN RADIUS: 0.613
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.519	0.164
2:	0.261	0.702
3:	-0.325	0.402
4:	-0.236	0.116
5:	-0.674	-0.066
6:	-0.682	-0.432
7:	-0.184	-0.419
8:	0.227	-0.391
9:	0.528	-0.369
10:	-1.004	-0.749



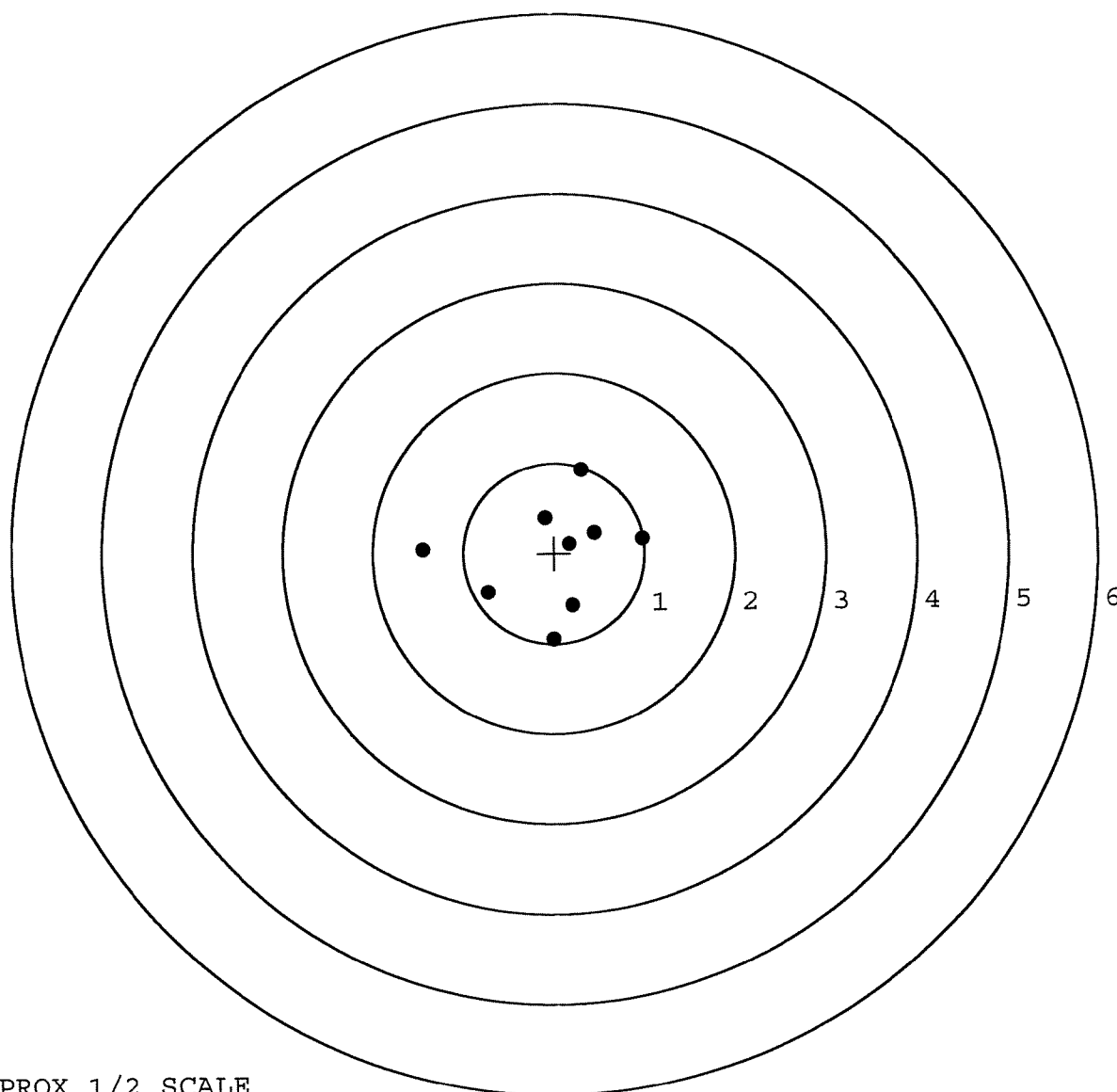
TARGET APPROX 1/2 SCALE

BARBER - M24 0003425

SERIAL NUMBER: C6522179. __0
 TARGET NUMBER: 2
 FILE DATE: 03/08/2003
 FILE TIME: 11:40

POINT#	X	Y
1:	-0.015	-0.954
2:	0.202	-0.586
3:	-0.729	-0.430
4:	-1.449	0.047
5:	0.976	0.156
6:	0.447	0.226
7:	0.170	0.103
8:	-0.101	0.391
9:	0.308	0.921

X CENTROID: -0.021
 Y CENTROID: -0.014
 POA TO CENTROID: 0.025
 HORZ SPREAD: 2.425
 VERT SPREAD: 1.875
 GROUP SPREAD: 2.427
 MIN RADIUS: 0.224
 MAX RADIUS: 1.429
 MEAN RADIUS: 0.774
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



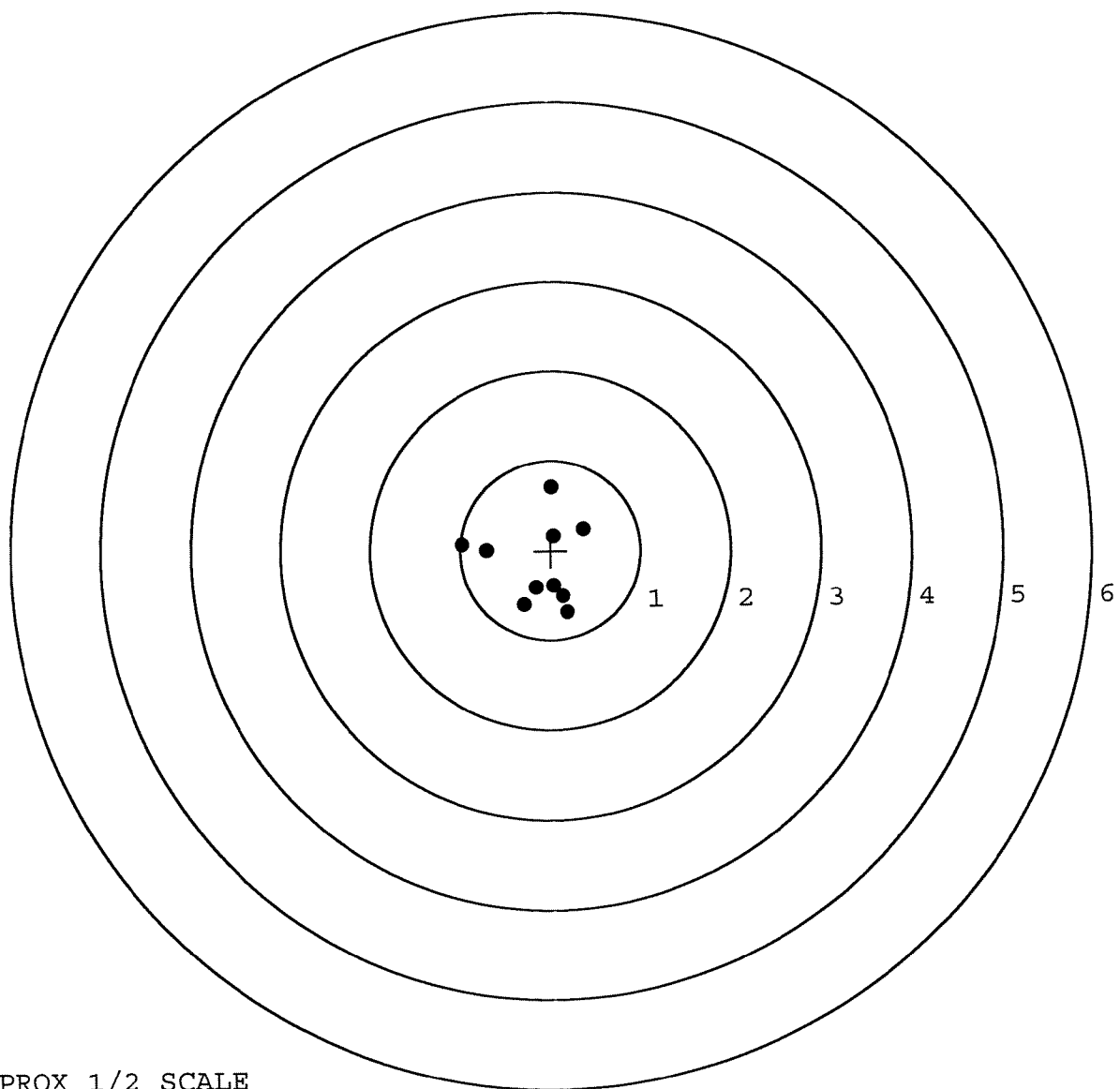
TARGET APPROX 1/2 SCALE

BARBER - M24 0003426

SERIAL NUMBER: C6522179. __0
TARGET NUMBER: 3
FILE DATE: 03/08/2003
FILE TIME: 11:40

	POINT#	X	Y
	1:	0.185	-0.696
	2:	0.135	-0.519
	3:	0.033	-0.395
	4:	-0.169	-0.420
	5:	-0.300	-0.612
	6:	-0.708	0.008
	7:	-0.985	0.076
	8:	0.368	0.238
	9:	0.032	0.160
	10:	0.013	0.703

X CENTROID: -0.140
Y CENTROID: -0.146
POA TO CENTROID: 0.202
HORZ SPREAD: 1.353
VERT SPREAD: 1.399
GROUP SPREAD: 1.402
MIN RADIUS: 0.276
MAX RADIUS: 0.874
MEAN RADIUS: 0.549
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



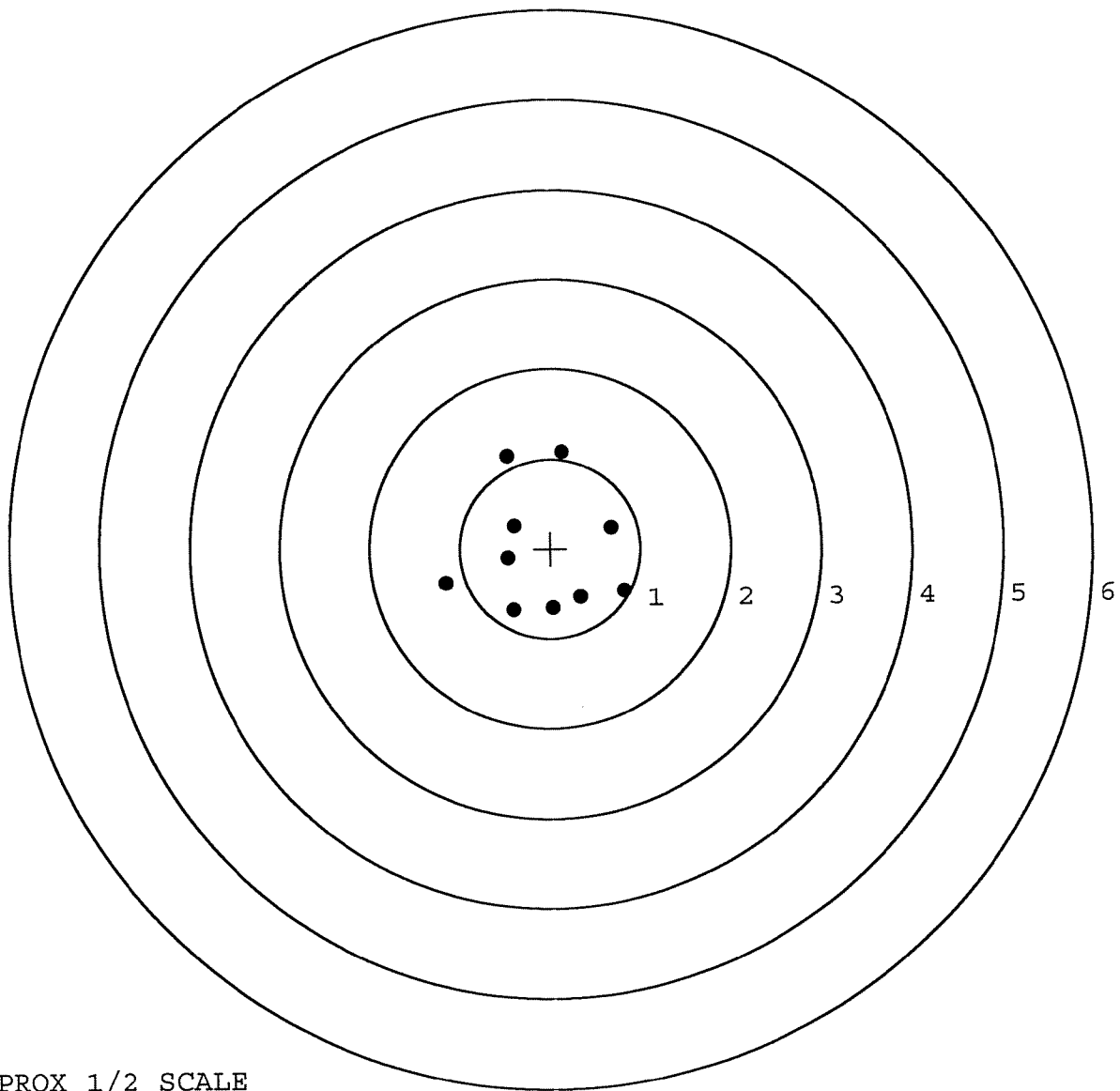
TARGET APPROX 1/2 SCALE

BARBER - M24 0003427

SERIAL NUMBER: C6522179. __0
TARGET NUMBER: 4
FILE DATE: 03/08/2003
FILE TIME: 11:40

X CENTROID: -0.095
Y CENTROID: -0.025
POA TO CENTROID: 0.098
HORZ SPREAD: 1.979
VERT SPREAD: 1.761
GROUP SPREAD: 1.991
MIN RADIUS: 0.391
MAX RADIUS: 1.130
MEAN RADIUS: 0.807
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.815	-0.475
2:	0.337	-0.544
3:	0.026	-0.662
4:	-0.417	-0.684
5:	-1.164	-0.379
6:	-0.478	-0.103
7:	-0.400	0.256
8:	0.678	0.230
9:	0.138	1.077
10:	-0.480	1.037



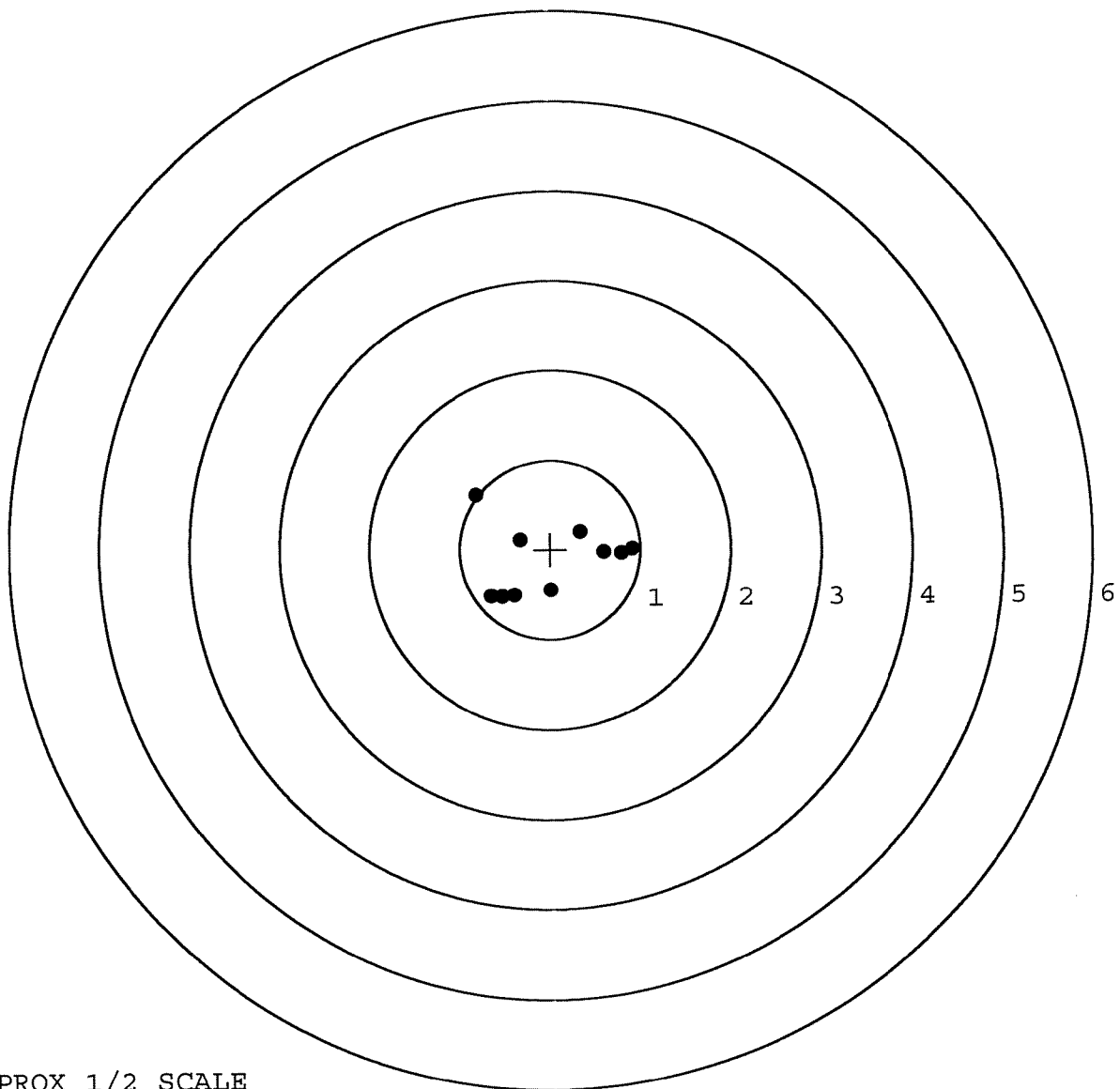
TARGET APPROX 1/2 SCALE

BARBER - M24 0003428

SERIAL NUMBER: C6522179. __0
TARGET NUMBER: 5
FILE DATE: 03/08/2003
FILE TIME: 11:40

POINT#	X	Y
1:	-0.338	0.108
2:	-0.814	0.615
3:	0.337	0.194
4:	0.597	-0.036
5:	0.789	-0.052
6:	0.907	0.001
7:	0.002	-0.460
8:	-0.403	-0.516
9:	-0.536	-0.533
10:	-0.659	-0.524

X CENTROID: -0.012
Y CENTROID: -0.120
POA TO CENTROID: 0.121
HORZ SPREAD: 1.721
VERT SPREAD: 1.148
GROUP SPREAD: 1.827
MIN RADIUS: 0.340
MAX RADIUS: 1.088
MEAN RADIUS: 0.663
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

INITIAL & CYCLE TESTS

2. BARBER M24 0003429

DATE 3-5-03

3.00# + .75#

TESTER TRW

4.00# + 1.00#

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.62	2.46	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2
PULL #2	2.58	2.45	2.70	
PULL #3	2.60	2.51	2.64	
PULL #4	2.73	2.54	2.62	
PULL #5	2.58	2.50	2.74	
TOTAL	13.11	12.46	13.36	
AVG.	2.62	2.49	2.67	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.29	3.18	
PULL #2	3.39	3.21	
PULL #3	3.28	3.04	
PULL #4	3.21	3.21	
PULL #5	3.28	3.20	
TOTAL	16.45	15.84	
AVG.	3.29	3.16	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FC TARGET & ACCUE
PULL #1	4.38	4.18		4.11
PULL #2	4.16	4.17		4.15
PULL #3	4.22	4.20		4.19
PULL #4	4.23	4.16		4.28
PULL #5	4.22	4.18		4.21
TOTAL	21.21	20.89		20.94
AVG.	4.24	4.17		4.18

BARBER - M24 00P8430

INSPECTION CHECKLIST M-24 REPAIRS

CONTRACT #: DAAE-20-02-D-0127

C6522179

INSPECTED BY:

rk

DATE REC'D:

2-5-03

DATE RET'D:

3-10-03

ITEM

STOCK ASSEMBLY

	STOCK
	SLING AWIVEL STUDS
	ADJUSTABLE
	BUTT PLATE
	LOCK NUTS
	BARREL CLEARANCE
	COLOR / FINISH

SYSTEMS CASE

	SCOPE CASE
	IRON SIGHTS
	DEPLOYMENT KIT

SAFETY OPERATION
RE-SET TO FACTORY SPECS

COMMENTS:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	601156		
SERIAL NUMBER	C6522179		
LOG-IN DATE	2-5-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-10-03	RTL
560 A	RE-BARREL	2-11-03	RTL
B	DRILL AND TAP	2-20-03	TRW
575	ASSEMBLE	2-13-03	RTL
600	PROOF	2-13-03	
605	CHECK HEADSPACE	2-13-03	
610	DIS-ASSEMBLE GUN	2-14-03	RTL
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	2/19/03	RB
618	ROTO-BLAST	2-26-03	CRH
620	APPLY COATINGS	3-3	TA
625 A	FINAL ASSEMBLY	3-5-03	RW
B	TRIGGER PULL TEST	3-10-03	RTL
C	SAFETY "ON" FORCE	3-10-03	RTL
D	SAFETY "OFF" FORCE	3-10-03	RTL
E	FIRING PIN INDENT		
640	TARGET	3-17-03	AC
655	FINAL INSPECT	3-10-03	RTL
660	PACK	3-10-03	RA
		SHIP DATE	
	QAR INSPECTION DATE		

Remington®
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

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

DU PONT

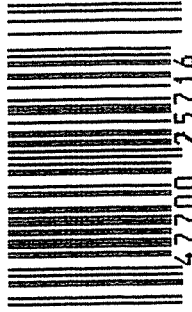
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

SERIAL NO. C6522179	ORDER NO. 5716
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5716 C6522179

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522179
8 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.239385
1 TO	2	.619167
1 TO	3	.445624
1 TO	4	1.12841
1 TO	5	1.36468

$\begin{matrix} & 3 \\ 5 & 4 \end{matrix}$
 $\begin{matrix} 5 \\ 4 \end{matrix}$
 $\begin{matrix} 2 \\ 2 \end{matrix}$
<----POA

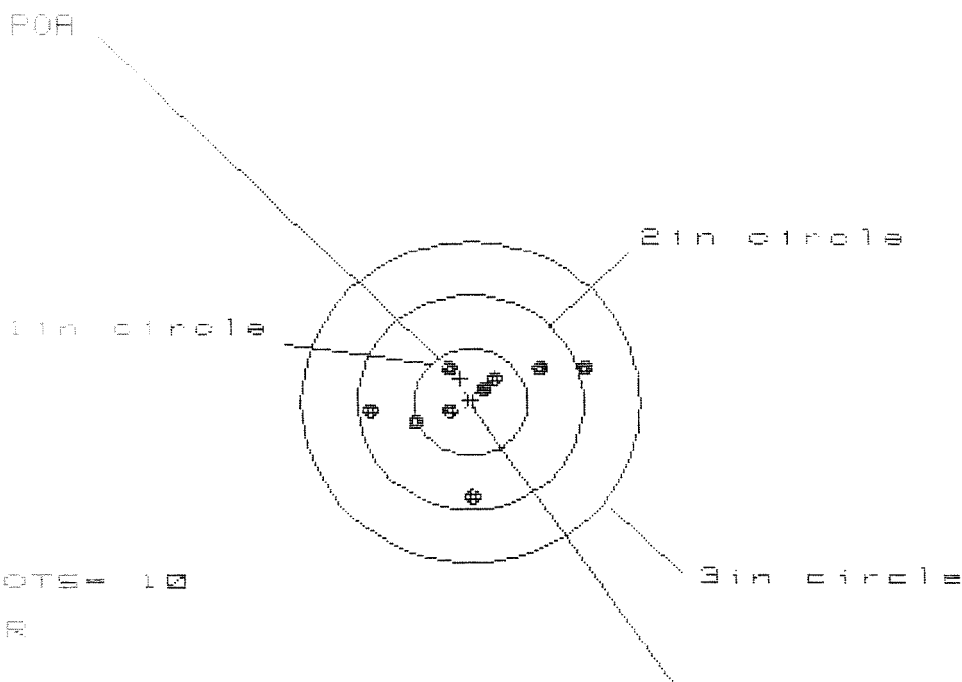
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4496
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.494
 THE CALCULATED ATTACK POI RADIUS FOR THIS RIFLE IS: .667964

THE AVERAGE Z-COORDINATE FOR THIS RIFLE IS: .805

8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522173

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 6

2in = 9

3in = 10

HS= 1.950

VS= 1.210

GS= 1.982

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.033	.693	.592
MINIMUM X	-.917	-.802	-.446
MAXIMUM Y	.306	.338	.335
MINIMUM Y	-.904	-.872	-.875
CENTROID X	.092	-.023	.078
CENTROID Y	-.221	-.253	-.250
POA TO CENTROID (IN)	.239	.254	.262
MIN RADIUS	.190	.073	.173
MEAN RADIUS	.529	.450	.414
MR RADIUS	1.074	.875	.875
HORIZONTAL SPREAD	1.950	1.495	1.038
VERTICAL SPREAD	1.210	1.210	1.210
EXTREME SPREAD	1.982	1.536	1.348
NUMBER IN ONE INCH CIRCLE =		6	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522179

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.064

VS= 2.575

GS= 2.670

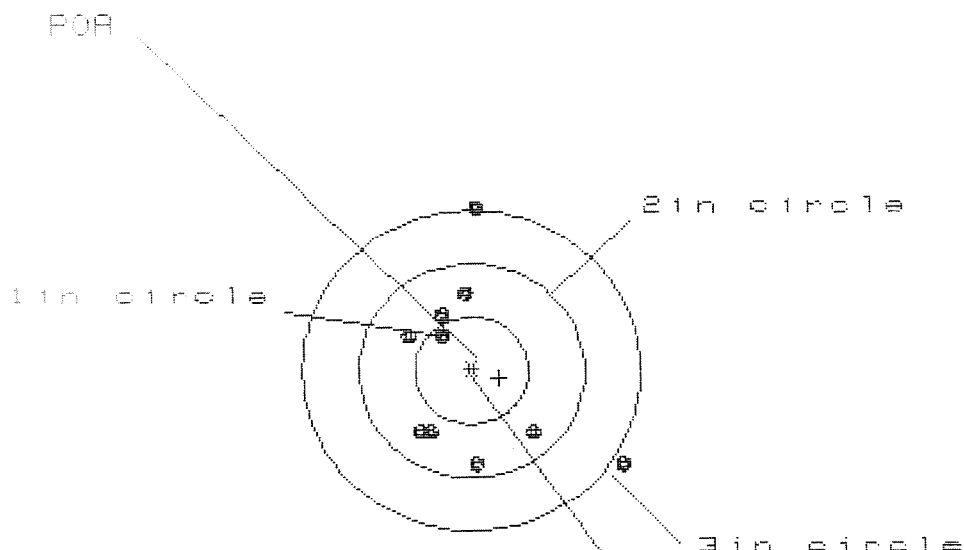
CENTROID #

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.418	.530	.575
MINIMUM X	-.646	-.488	-.443
MAXIMUM Y	1.382	1.411	.624
MINIMUM Y	-1.193	-1.164	-.987
CENTROID X	-.130	-.288	-.333
CENTROID Y	-.799	-.828	-1.005
POA TO CENTROID in.	.810	.877	1.058
MIN RADIUS	.258	.235	.311
MEAN RADIUS	.817	.727	.657
MAX RADIUS	1.443	1.456	1.033
HORIZONTAL SPREAD	2.064	1.018	1.018
VERTICAL SPREAD	2.575	2.575	1.611
EXTREME SPREAD	2.670	2.670	1.683
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522179

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 8

3 in = 8

HS= 1.828

VS= 2.371

CS= 2.712

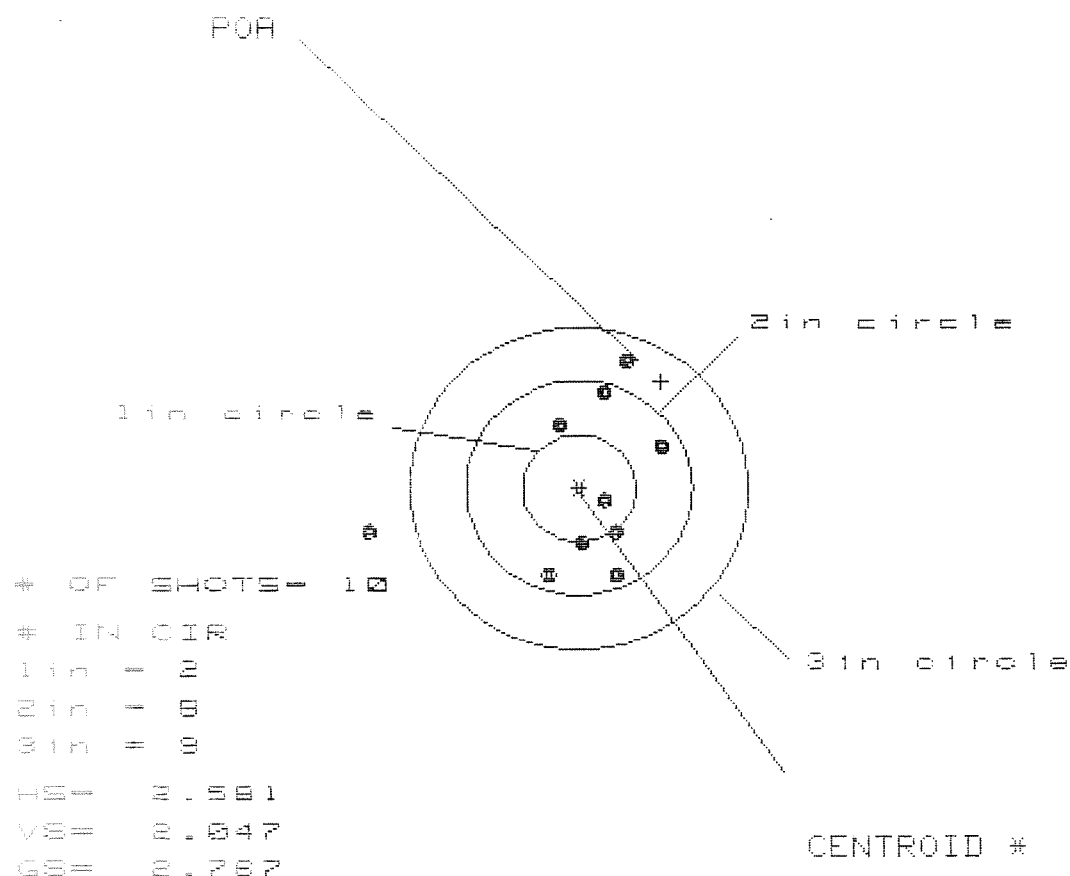
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.311	.706	.724
MINIMUM X	:	-.517	-.371	-.354
MAXIMUM Y	:	1.586	1.409	.824
MINIMUM Y	:	-.865	-.948	-.771
CENTROID X	:	-.242	-.388	-.405
CENTROID Y	:	.074	.171	-.006
POA TO CENTROID in.	:	.253	.424	.406
MIN RADIUS	:	.415	.246	.396
MEAN RADIUS	:	.849	.731	.646
MAX RADIUS	:	1.571	1.416	.868
HORIZONTAL SPREAD	:	1.828	1.077	1.077
VERTICAL SPREAD	:	2.371	2.357	1.595
EXTREME SPREAD	:	2.712	2.358	1.602
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522179

CENTERFIRE PATTERNS # 4

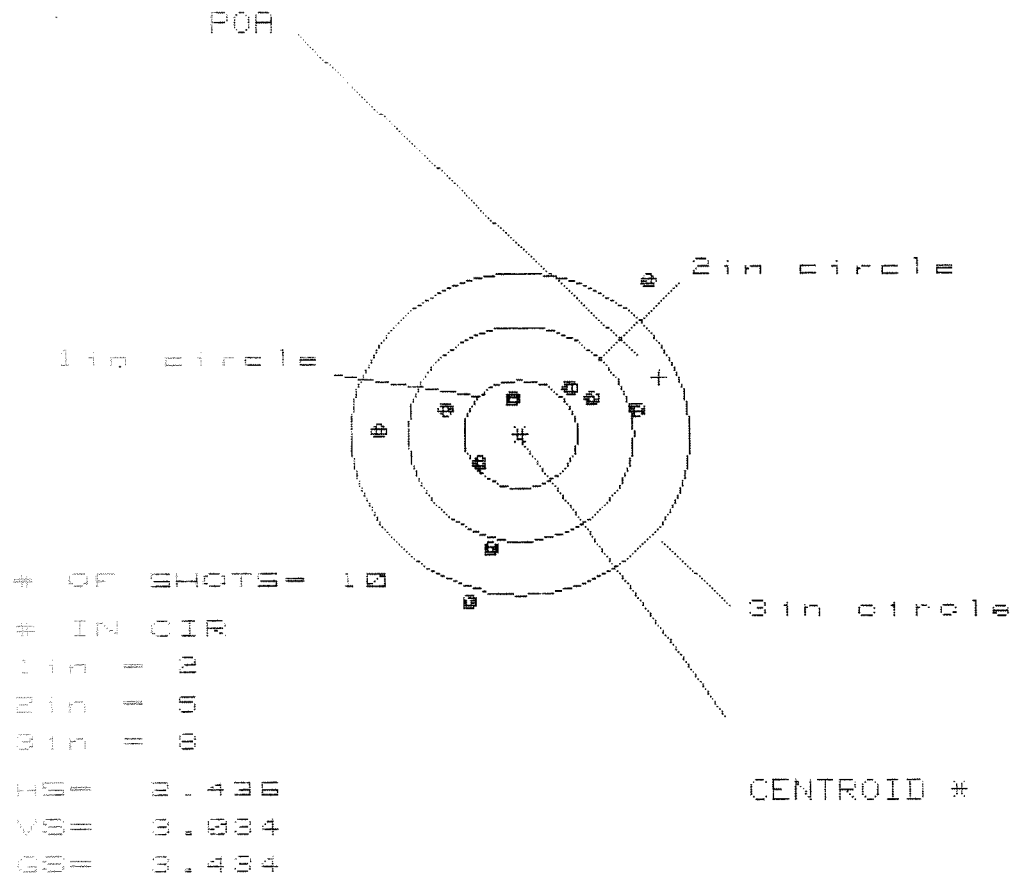


PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.730	.525	.550
MINIMUM X	:	-1.851	-.492	-.467
MAXIMUM Y	:	1.199	1.156	1.031
MINIMUM Y	:	-.848	-.891	-.747
CENTROID X	:	-.731	-.526	-.551
CENTROID Y	:	-.993	-.950	-1.094
POA TO CENTROID in.	:	1.233	1.086	1.225
MIN RADIUS	:	.301	.181	.097
MEAN RADIUS	:	.866	.719	.629
MAX RADIUS	:	1.892	1.174	1.036
HORIZONTAL SPREAD	:	2.581	1.017	1.017
VERTICAL SPREAD	:	2.047	2.047	1.778
EXTREME SPREAD	:	2.767	2.131	1.834
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522179

CENTERFIRE PATTERNS # 5



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.136	1.163	1.120
MINIMUM X	:	-1.300	-1.174	-1.217
MAXIMUM Y	:	1.471	.560	.385
MINIMUM Y	:	-1.563	-1.399	-1.061
CENTROID X	:	-1.237	-1.363	-1.320
CENTROID Y	:	-.531	-.695	-.520
POA TO CENTROID in.	:	1.346	1.530	1.419
MIN RADIUS	:	.299	.260	.273
MEAN RADIUS	:	.964	.864	.764
MAX RADIUS	:	1.859	1.441	1.217
HORIZONTAL SPREAD	:	2.436	2.337	2.337
VERTICAL SPREAD	:	3.034	1.959	1.446
EXTREME SPREAD	:	3.434	2.348	2.348
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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

SERIAL NO. C6522179DATE 9-4-90TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.42	2.45	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.34	2.39	2.42	
PULL #3	2.47	2.41	2.35	2.40	
PULL #4	2.38	2.45	2.29	2.45	
PULL #5	2.42	2.40	2.38	2.35	
TOTAL	12.02	12.02	11.86	12.08	
AVG.	2.404	2.404	2.372	2.416	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.36		
PULL #2	3.41	3.37		
PULL #3	3.40	3.37		
PULL #4	3.45	3.41		
PULL #5	3.43	3.44		
TOTAL	17.08	16.95		
AVG.	3.416	3.39		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.30		4.49
PULL #2	4.45	4.29		4.32
PULL #3	4.40	4.35		4.15
PULL #4	4.39	4.36		4.23
PULL #5	4.37	4.37		4.22
TOTAL	22.02	21.67		21.41
AVG.	4.404	4.334		4.282

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522179

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/26/90	KA
600	Proof		6/26/90	KA
607	Check Headspace		6/26/90	KA
610	Dis-assemble Gun		6/26/90	KA
612	Magnaflux Barrel Action		7/10/90	KCR
	Magnaflux Bolt		7/10/90	KR
615	Rollmark Caliber		7/10/90	SS
617	Drill and Tap Sight Holes		7/11/90	FB
618	Polish Barrel RB		7/13/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	JA
	Apply Coating (Bolt)			
625	Final Assembly		8/1/90	KS
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/1/90	KS
	C) Inspect Ejector Hole for Chamfer		8/1/90	KS
	D) Oil Firing Pin Ass'y		8/1/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-4-90	GH

BARBER - M24 0003441

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5.5	5.5	5.5			7/26/90	JH
	G) Safety Off Force	3	3	3			7/26/90	JH
	H) Trigger Pull Test & Retainability						9-4-90	JH
	I) Firing Pin Indent	.0225	.0225	.0225			7/26/90	JH
	J) Assemble Stock						8/3/90	KS
	K) Assemble Swivel Studs						9/5/90	JH
	L) Attach Front and Rear Sight Assemblies						8/3/90	KS
	M) Iron Sight Alignment						8/3/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/3/90	KS
	O) Attach Scope to Rifle						8/3/90	KS
	P) Detach & Attach Scope 20 Times						8/3/90	KS
640	Gallery Target & Test						8/8/90	NF
	A) Time						8/8/90	NF
	B) Malfunctions						8/8/90	NF
	C) Pierced Primers						8/8/90	NF
	D) Optical Clarity of Scope						8/8/90	NF
645	Inspect for Live Ammo						8/8/90	NF
655	Final Inspection							
	A) Headspace						9/5/90	JH
	B) Trigger Pull	2.46	2.42	2.40	2.45	2.35	9-4-90	JH
	C) Function						9/5/90	JH
660	Pack						9-18-90	JH