

C6498866

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

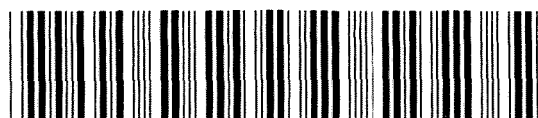
Order No. **5716**

*Includes 1 in chamber.



Repair Number: RE00113013	Serial: C6498866 Model: M24 SWS Center Fire Caliber: 7.62 NATO	Repairman:	Status: Closed 5/31/2006 10:21:23 AM															
Address Information																		
Customer: ☒ Received From		Return To: ☐ Received From																
Name: C CO SPT BN SWTG (A) POC JERRY SCREEN		Name: C CO SPT BN SWTG (A) POC JERRY SCREEN																
Address 1: ARMAMENT FACILITY BLDG D-1307		Address 1: ARMAMENT FACILITY BLDG D-1307																
Address 2: GRUBER ROAD PO Box:		Address 2: GRUBER ROAD PO Box:																
City: FORT BRAGG		City: 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		Received Condition																
Phone: NA		Fair																
Fax:		Condition Notes:																
Email:		CSR Notes:																
Comments:																		
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 Stud</td><td>3</td></tr><tr><td>A010</td><td>Hard Case</td><td>1</td></tr><tr><td>A017</td><td>Scope Base</td><td>1</td></tr><tr><td>A057</td><td>Frt and Rear Sgt Base</td><td>1</td></tr></tbody></table>				Code	Desc	Qty	A007	With Stud	3	A010	Hard Case	1	A017	Scope Base	1	A057	Frt and Rear Sgt Base	1
Code	Desc	Qty																
A007	With Stud	3																
A010	Hard Case	1																
A017	Scope Base	1																
A057	Frt and Rear Sgt Base	1																
Repair Search		Refresh	Close															
maglet	5/31/2006	10:29 AM	CAPS															
NUM	INS	SCRL																

Serial Number:

C6498866Model: **M24 SWS****RE00113013**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498866.___0
FILE DATE AND TIME: 07/05/2006 08:36

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

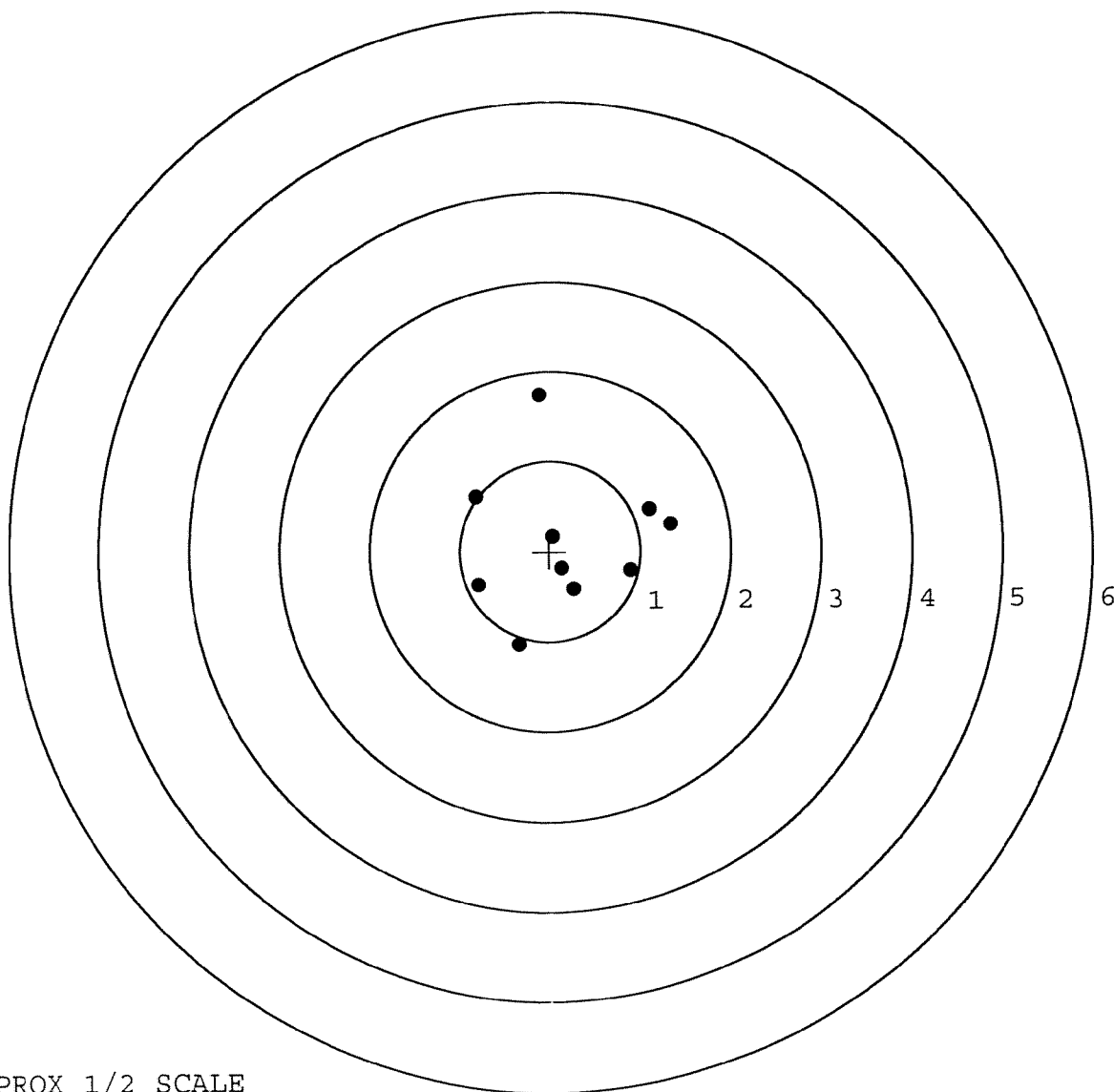
The Average X Centroid of the Five Target Set:	0.075
The Average Y Centroid of the Five Target Set:	0.058
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.712
The Distance from POA to Centroid Target #1:	0.200
The Distance from Centroid Target #2 to Centroid Target #1:	0.068
The Distance from Centroid Target #3 to Centroid Target #1:	0.145
The Distance from Centroid Target #4 to Centroid Target #1:	0.231
The Distance from Centroid Target #5 to Centroid Target #1:	0.293

BARBER - M24 0009165

SERIAL NUMBER: C6498866. __0
 TARGET NUMBER: 1
 FILE DATE: 07/05/2006
 FILE TIME: 08:36

POINT#	X	Y
1:	1.333	0.297
2:	1.097	0.463
3:	0.891	-0.216
4:	-0.346	-1.035
5:	-0.792	-0.367
6:	-0.814	0.608
7:	-0.107	1.737
8:	0.036	0.169
9:	0.139	-0.190
10:	0.270	-0.423

X CENTROID: 0.171
 Y CENTROID: 0.104
 POA TO CENTROID: 0.200
 HORZ SPREAD: 2.147
 VERT SPREAD: 2.772
 GROUP SPREAD: 2.782
 MIN RADIUS: 0.149
 MAX RADIUS: 1.656
 MEAN RADIUS: 0.903
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 9



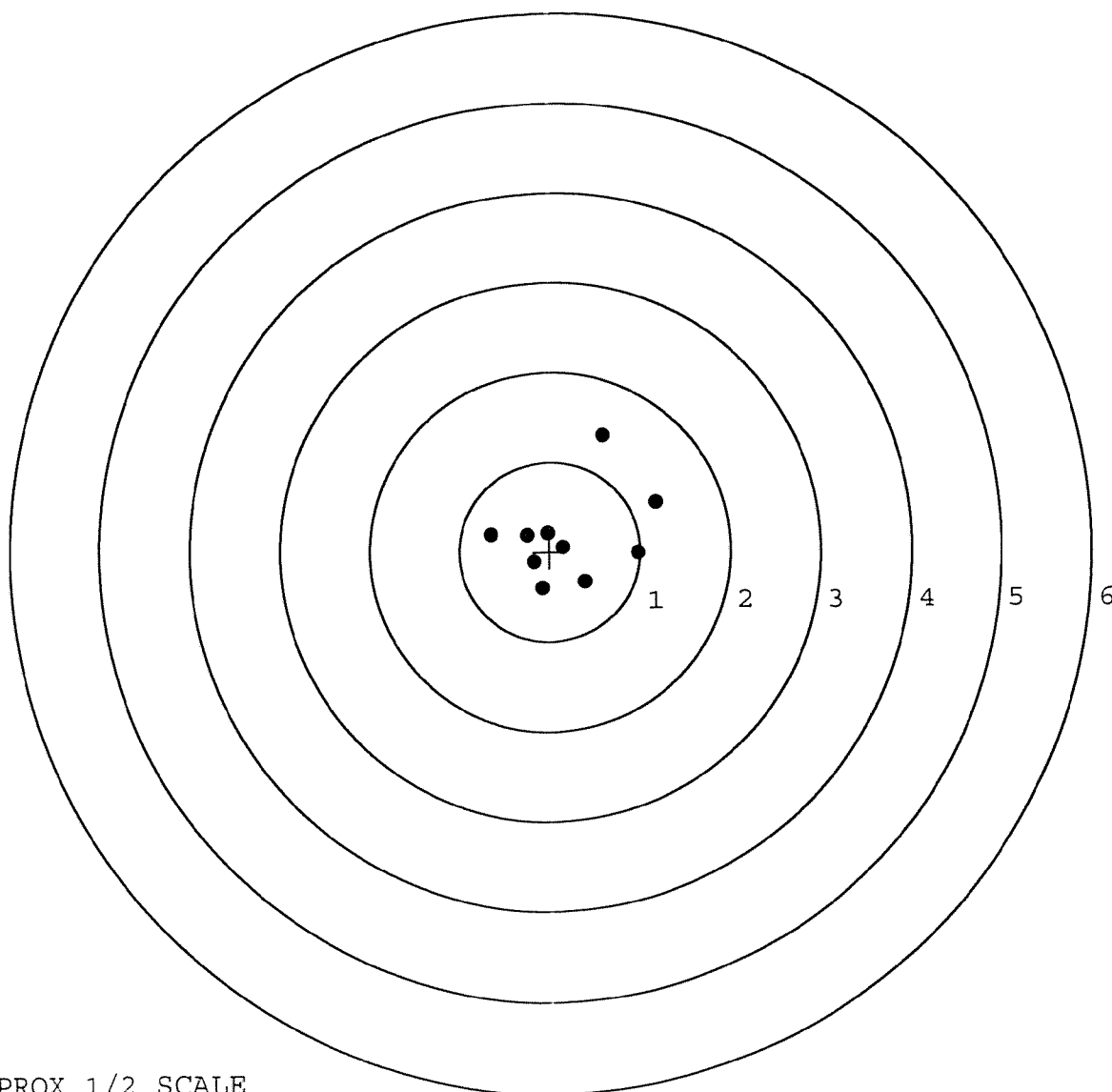
TARGET APPROX 1/2 SCALE

BARBER - M24 0009166

SERIAL NUMBER: C6498866. 0
 TARGET NUMBER: 2
 FILE DATE: 07/05/2006
 FILE TIME: 08:36

POINT#	X	Y
1:	0.975	-0.023
2:	1.167	0.542
3:	0.590	1.288
4:	-0.647	0.198
5:	0.393	-0.345
6:	-0.082	-0.410
7:	0.151	0.052
8:	-0.020	0.213
9:	-0.247	0.193
10:	-0.178	-0.116

X CENTROID: 0.210
 Y CENTROID: 0.159
 POA TO CENTROID: 0.264
 HORZ SPREAD: 1.814
 VERT SPREAD: 1.698
 GROUP SPREAD: 1.826
 MIN RADIUS: 0.122
 MAX RADIUS: 1.191
 MEAN RADIUS: 0.634
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



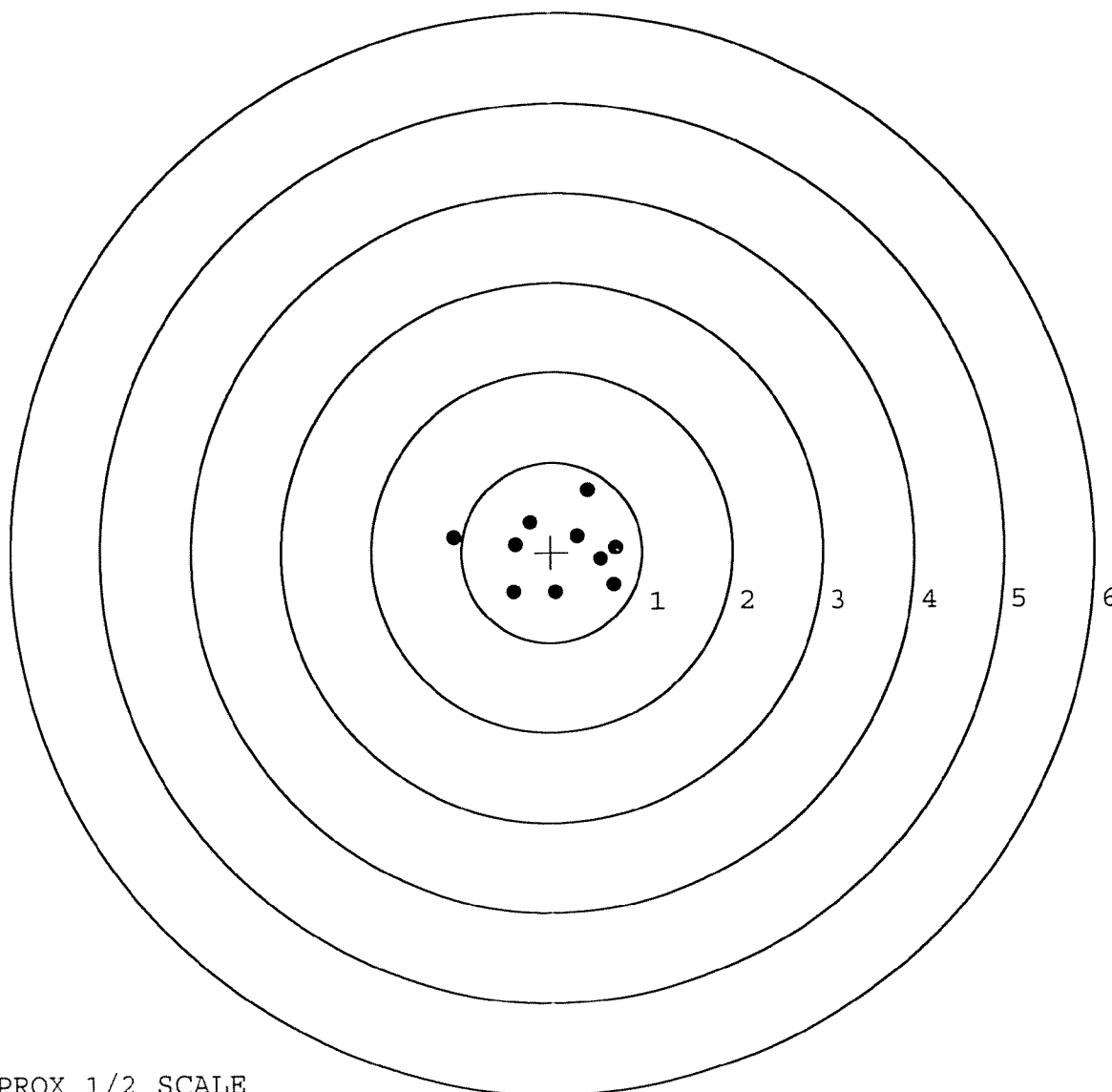
TARGET APPROX 1/2 SCALE

BARBER - M24 0009167

SERIAL NUMBER: C6498866. __0
 TARGET NUMBER: 3
 FILE DATE: 07/05/2006
 FILE TIME: 08:36

POINT#	X	Y
1:	0.689	-0.371
2:	0.709	0.051
3:	0.544	-0.080
4:	0.292	0.176
5:	0.401	0.688
6:	-0.237	0.334
7:	-0.398	0.088
8:	-1.080	0.167
9:	-0.416	-0.440
10:	0.049	-0.453

X CENTROID: 0.055
 Y CENTROID: 0.016
 POA TO CENTROID: 0.058
 HORZ SPREAD: 1.789
 VERT SPREAD: 1.141
 GROUP SPREAD: 1.849
 MIN RADIUS: 0.286
 MAX RADIUS: 1.145
 MEAN RADIUS: 0.610
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



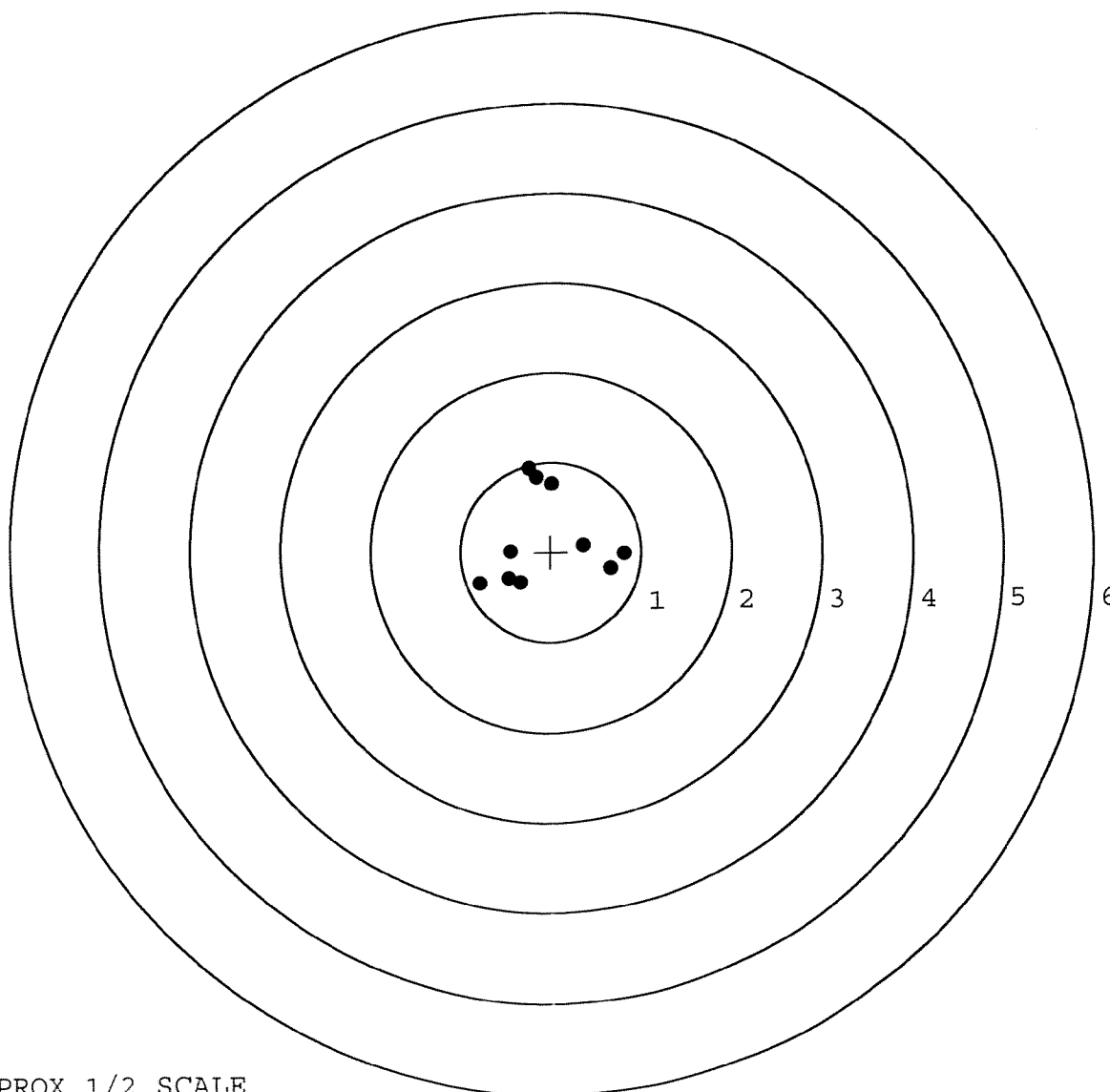
TARGET APPROX 1/2 SCALE

BARBER - M24 0009168

SERIAL NUMBER: C6498866. __0
 TARGET NUMBER: 4
 FILE DATE: 07/05/2006
 FILE TIME: 08:36

POINT#	X	Y
1:	0.809	-0.028
2:	0.662	-0.197
3:	0.362	0.067
4:	0.016	0.762
5:	-0.234	0.937
6:	-0.444	0.010
7:	-0.337	-0.343
8:	-0.465	-0.299
9:	-0.784	-0.347
10:	-0.156	0.835

X CENTROID: -0.057
 Y CENTROID: 0.140
 POA TO CENTROID: 0.151
 HORZ SPREAD: 1.593
 VERT SPREAD: 1.284
 GROUP SPREAD: 1.625
 MIN RADIUS: 0.408
 MAX RADIUS: 0.882
 MEAN RADIUS: 0.669
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



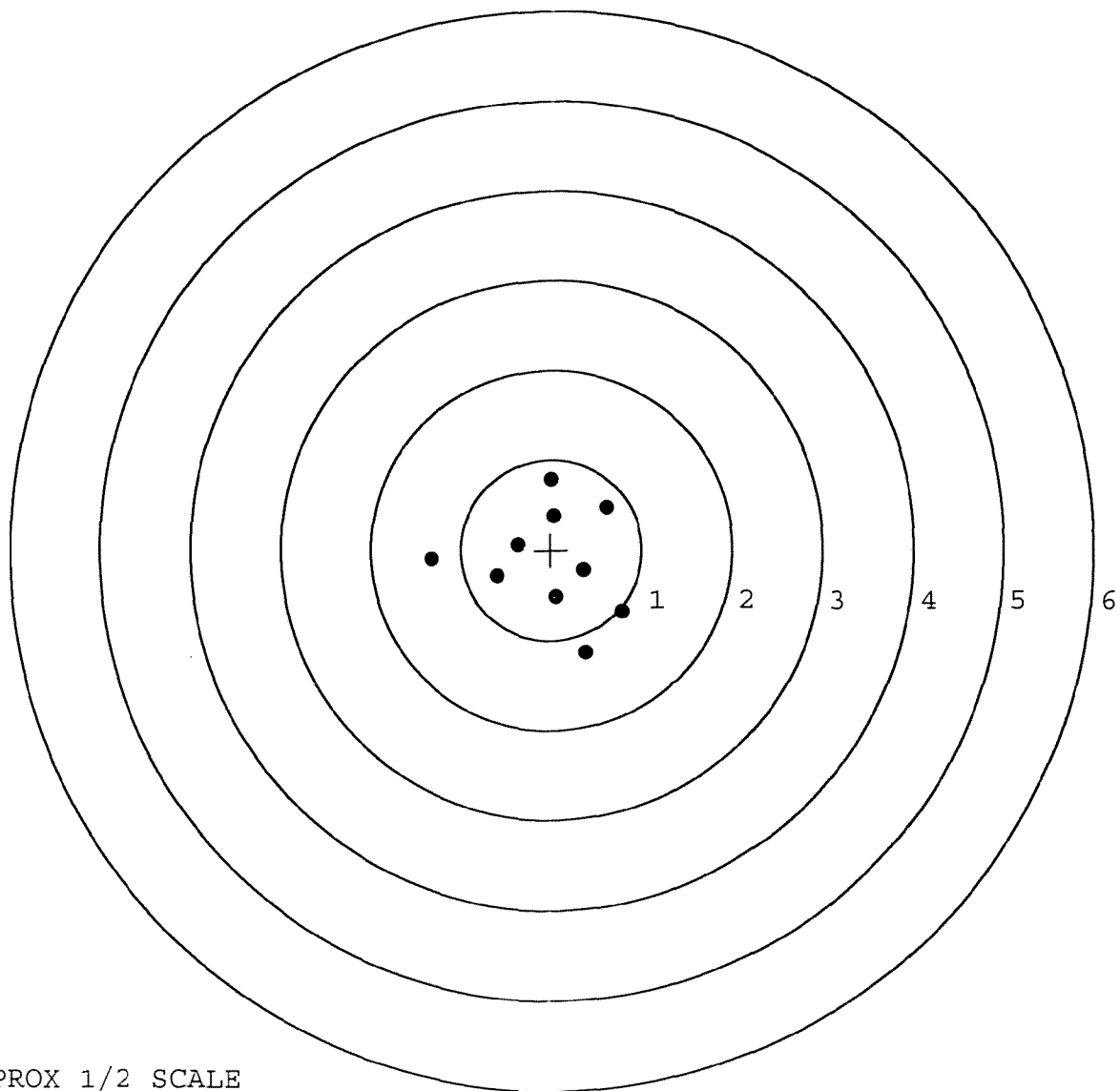
TARGET APPROX 1/2 SCALE

BARBER - M24 0009169

SERIAL NUMBER: C6498866. __0
TARGET NUMBER: 5
FILE DATE: 07/05/2006
FILE TIME: 08:36

POINT#	X	Y
1:	0.791	-0.686
2:	0.390	-1.142
3:	0.364	-0.229
4:	0.056	-0.521
5:	0.607	0.468
6:	0.031	0.378
7:	-0.003	0.786
8:	-0.365	0.057
9:	-0.598	-0.290
10:	-1.324	-0.117

X CENTROID: -0.005
Y CENTROID: -0.130
POA TO CENTROID: 0.130
HORZ SPREAD: 2.115
VERT SPREAD: 1.928
GROUP SPREAD: 2.190
MIN RADIUS: 0.382
MAX RADIUS: 1.319
MEAN RADIUS: 0.745
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	113013			
SERIAL NUMBER	C60498866			
LOG-IN DATE	5-30-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-16-06	RTZ
505	RE-BARREL		6-20-06	RTZ
420	ASSEMBLE		6-20-06	RTZ
440	PROOF	MAGNA-FLUX INSPECTED	6-20-06	TRW
460	CHECK HEADSPACE	JUN 23 2006	6-20-06	TRW
470	DIS-ASSEMBLE GUN		6-21-06	RTZ
480	MAGNAFLUX	OPERATOR <i>unab</i>	6/23/06	<i>unab</i>
510	DRILL AND TAP		6-22-06	TRW
500	ROLLMARK CALIBER		6-23-06	CW
520	GOFF BLAST BBL / REC		6-23-06	LB
530 & 540	APPLY COATINGS		6/28/06	TRW
560	FINAL ASSEMBLY		7/5/06	BLG
640	FUNCTION TEST AND	PASS FAIL	7-5-06	TRW
650	TARGET	PASS FAIL	7-5-06	TRW
	MALFUNCTION <i>25 clicks left windage</i>	CORRECTION <i>Adj. barrel OK</i>	7-6-06	AC
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION <i>N/A</i>		
	MALFUNCTION	CORRECTION	7-5-06	R.P.
670	FINAL INSPECTION		7-7-06	AC
	A) HEADSPACE	PASS FAIL	7-7-06	AC
	B) TRIGGER PULL	<i>N/A</i>		
680	F) SAFETY ON FORCE	<i>5 lbs 5 lbs 5 lbs</i>		AC
	G) SAFETY OFF FORCE	<i>4 lbs 4 lbs 4 lbs</i>		AC
	I) FIRING PIN INDENT	<i>.023 .023 .023</i>		AC
690	PACK		7-10-06	

F006 REV 5/2006

BARBER - M24 0009171

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY		STOCK ASSEMBLY	
_____	BARREL	_____	STOCK
_____	RECEIVER	_____	SLING SWIVEL STUDS
_____	FRONT SIGHT BASE	_____	
_____	REAR SIGHT BASE	_____	BUTT PATE
_____	SCREWS	_____	LOCK NUTS
_____	FINISH	_____	BARREL CLEARANCE
		_____	COLOR / FINISH
SCOPE ASSEMBLY		SYSTEM CASE	
_____	SCOPE	_____	SCOPE CASE
_____	SCOPE RINGS	_____	IRON SIGHTS
_____	MOUNTING SCREWS	_____	DEPLOYMENT KIT
_____	MOUNTING BASE		
_____	SCREWS	TRIGGER ASSEMBLY	
_____	FINISH	_____	SAFETY OPERATION
_____	CLARITY	_____	RE-SET TO FACTORY SPECS
COMMENTS: _____			

F006 REV 5/2006

BARBER - M24 0009172

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

DU PONT
REG. U.S. PAT. & TM. OFF.

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

MODEL 700TM H24

SERIAL NO.
C6498866

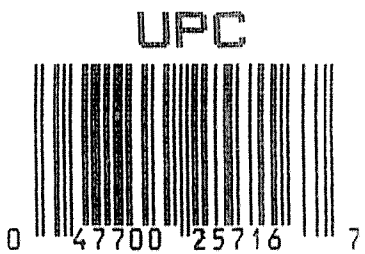
ORDER NO.
5716

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

01



5716 C6498866



CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0009172

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6498866

DATE 6-5-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.17	2.28	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.35	2.18	2.33	
PULL #3	2.22	2.15	2.16	2.37	
PULL #4	2.20	2.21	2.21	2.27	
PULL #5	2.32	2.22	2.26	2.36	
TOTAL	11.45	11.10	11.09	11.71	
AVG.	2.25	2.22	2.218	2.342	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.15		
PULL #2	3.31	3.29		
PULL #3	3.28	3.26		
PULL #4	3.34	3.32		
PULL #5	3.27	3.30		
TOTAL	16.56	16.32		
AVG.	3.312	3.264		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.42		4.46
PULL #2	4.32	4.39		4.47
PULL #3	4.38	4.34		4.53
PULL #4	4.39	4.40		4.23
PULL #5	4.37	4.36		4.41
TOTAL	21.82	21.91		22.10
AVG.	4.364	4.382		4.42

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498866
31 Jul 1990

CENTROIDAL DISTANCES

0 TO	1	.757388
1 TO	2	.2022
1 TO	3	1.23873
1 TO	4	.497041
1 TO	5	1.56281

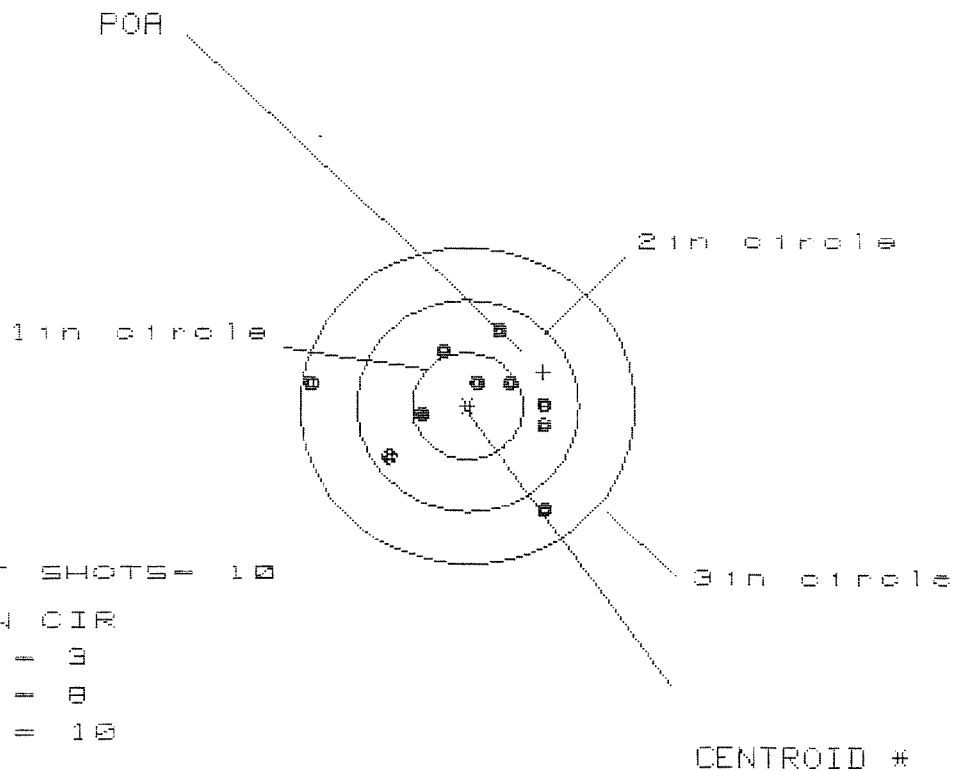
2 4+ 3 5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.071
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0698
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0995643
THE AMR FOR THIS RIFLE IS: .7786

31 JUL 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C643B866

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.184

VS= 1.707

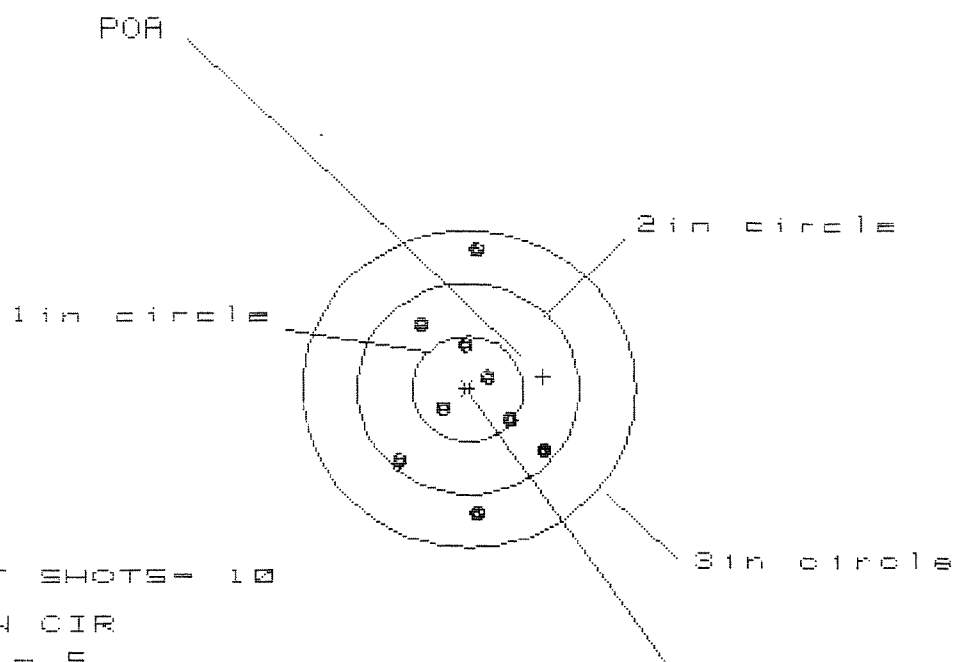
GS= 2.456

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.727	.565	.626
MINIMUM X	:	-1.457	-.906	-.845
MAXIMUM Y	:	.690	.717	.593
MINIMUM Y	:	-1.017	-.990	-.623
CENTROID X	:	-.686	-.524	-.585
CENTROID Y	:	-.321	-.348	-.224
POA TO CENTROID in.	:	.757	.629	.627
MIN RADIUS	:	.220	.242	.107
MEAN RADIUS	:	.739	.639	.550
MAX RADIUS	:	1.477	1.104	1.050
HORIZONTAL SPREAD	:	2.184	1.471	1.471
VERTICAL SPREAD	:	1.707	1.707	1.216
EXTREME SPREAD	:	2.456	1.742	1.605
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

31 Jul 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06498866

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 8

3 in = 10

HS= 1.308

VS= 2.493

GS= 2.493

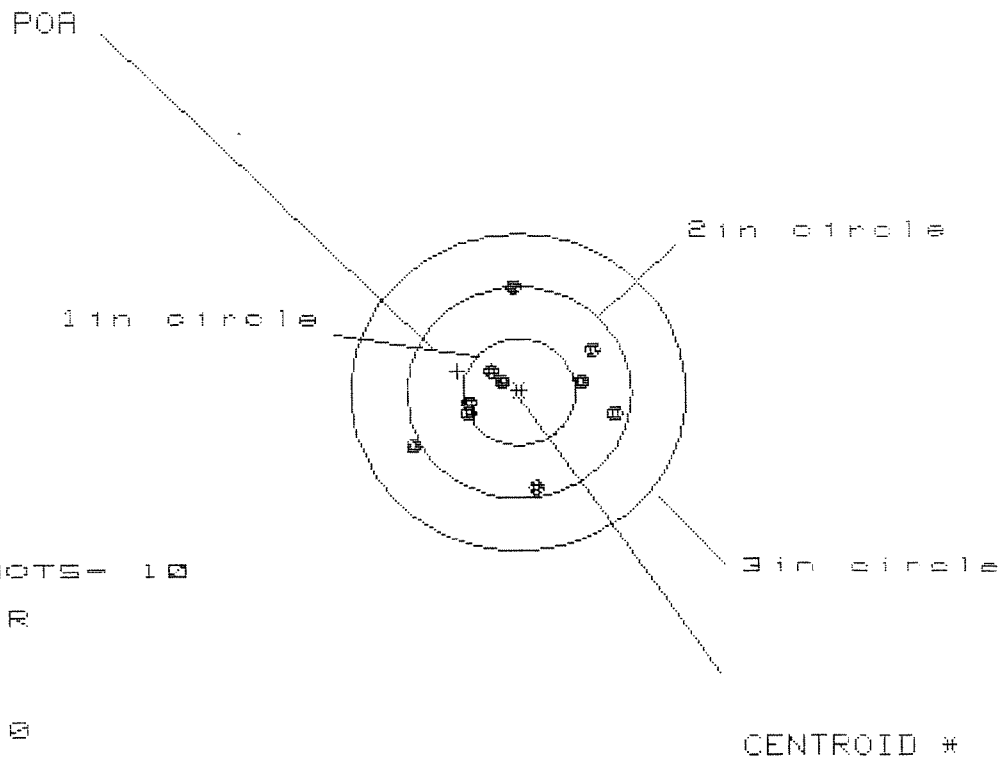
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.655	.663	.678
MINIMUM X	:	-.653	-.645	-.630
MAXIMUM Y	:	1.306	.762	.632
MINIMUM Y	:	-1.187	-1.042	-.656
CENTROID X	:	-.677	-.685	-.700
CENTROID Y	:	-.119	-.264	-.134
POA TO CENTROID in.	:	.688	.735	.713
MIN RADIUS	:	.242	.261	.268
MEAN RADIUS	:	.689	.626	.552
MAX RADIUS	:	1.308	1.048	.910
HORIZONTAL SPREAD	:	1.308	1.308	1.308
VERTICAL SPREAD	:	2.493	1.804	1.288
EXTREME SPREAD	:	2.493	1.886	1.627
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

31 JUL 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498886

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.751

VS= 1.960

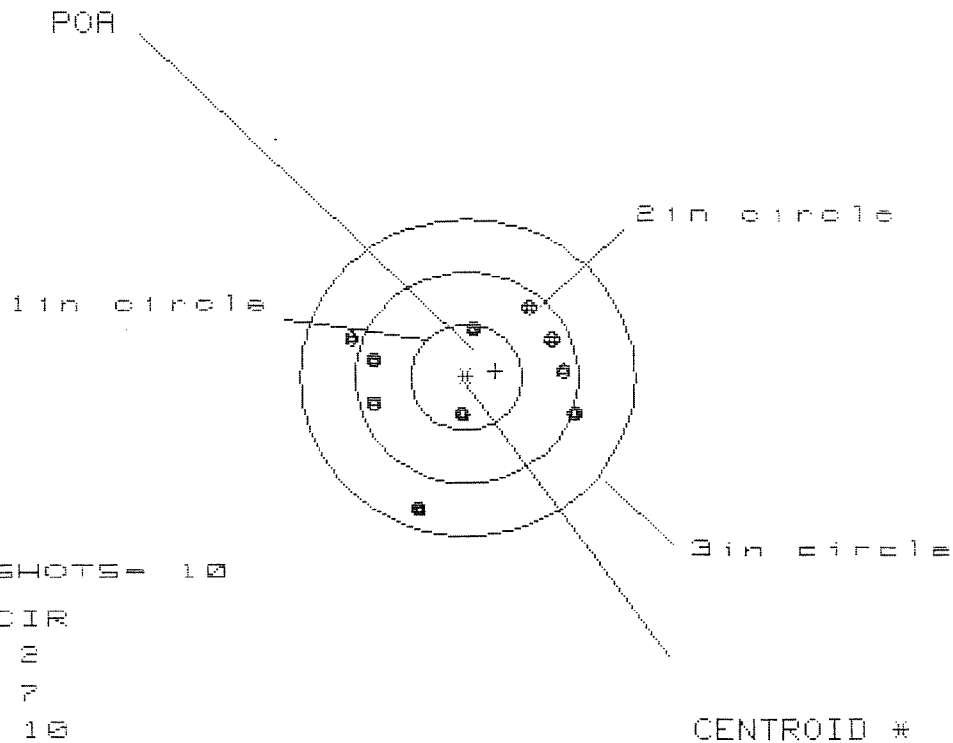
GS= 1.977

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.833	.731	.708
MINIMUM X	:	-.918	-.554	-.577
MAXIMUM Y	:	1.050	.989	.460
MINIMUM Y	:	-.911	-.971	-.848
CENTROID X	:	.547	.649	.672
CENTROID Y	:	-.202	-.141	-.264
POA TO CENTROID in.	:	.583	.664	.722
MIN RADIUS	:	.194	.256	.331
MEAN RADIUS	:	.663	.620	.577
MAX RADIUS	:	1.069	1.005	.849
HORIZONTAL SPREAD	:	1.751	1.285	1.285
VERTICAL SPREAD	:	1.960	1.960	1.308
EXTREME SPREAD	:	1.977	1.977	1.380
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

31 Jul 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B886

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.014

VS= 1.906

GS= 2.177

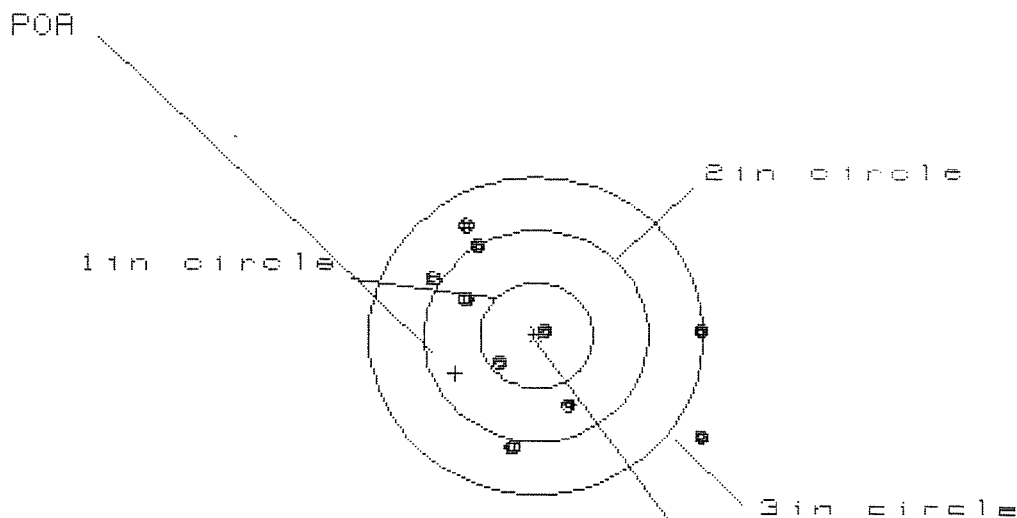
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.961	.910	.772
MINIMUM X	:	-1.053	-1.104	-1.031
MAXIMUM Y	:	.670	.532	.564
MINIMUM Y	:	-1.236	-.517	-.485
CENTROID X	:	-.263	-.212	-.074
CENTROID Y	:	-.060	.078	.046
POA TO CENTROID in.	:	.270	.226	.087
MIN RADIUS	:	.326	.342	.406
MEAN RADIUS	:	.860	.794	.735
MAX RADIUS	:	1.319	1.132	1.079
HORIZONTAL SPREAD	:	2.014	2.014	1.803
VERTICAL SPREAD	:	1.906	1.049	1.049
EXTREME SPREAD	:	2.177	2.155	1.894
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

31 Jul 1998

FILE:/PATTERNING/CENTERFIRE_PATT/0649B886

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.359

VS= 2.060

GS= 2.827

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.446	1.606	.643
MINIMUM X	:	-.913	-.753	-.553
MAXIMUM Y	:	1.055	.953	.947
MINIMUM Y	:	-1.005	-1.107	-1.113
CENTROID X	:	.724	.564	.364
CENTROID Y	:	.353	.455	.461
POA TO CENTROID in.	:	.806	.725	.587
MIN RADIUS	:	.071	.230	.325
MEAN RADIUS	:	.942	.838	.716
MAX RADIUS	:	1.706	1.606	1.124
HORIZONTAL SPREAD	:	2.359	2.359	1.196
VERTICAL SPREAD	:	2.060	2.060	2.060
EXTREME SPREAD	:	2.827	2.413	2.095
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498866

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	FB
618	Polish Barrel RB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/90	RW
	C) Inspect Ejector Hole for Chamfer		5/30/90	RW
	D) Oil Firing Pin Ass'y		5/30/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-6-90	RM

BARBER - M24 0009181

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			6/7/90	WB
	G) Safety Off Force	2	2	2			6/7/90	WB
	H) Trigger Pull Test & Retainability						6-5-90	RL
	I) Firing Pin Indent	.024	.0235	.0235			6/7/90	WB
	J) Assemble Stock						7/16/90	RW
	K) Assemble Swivel Studs						8/29/90	RL
	L) Attach Front and Rear Sight Assemblies						7/16/90	RW
	M) Iron Sight Alignment						7/16/90	RW
	N) Detach Front & Rear Sights & place in numbered container						7/16/90	RW
	O) Attach Scope to Rifle						7/27/90	RL
	P) Detach & Attach Scope 20 Times						7/27/90	RL
640	Gallery Target & Test						7-31-90	DH
	A) Time						7-31-90	DH
	B) Malfunctions						7-31-90	DH
	C) Pierced Primers						7-31-90	DH
	D) Optical Clarity of Scope						7-31-90	DH
645	Inspect for Live Ammo						7-31-90	DH
655	Final Inspection							
	A) Headspace						8/29/90	RL
	B) Trigger Pull	2.38	2.33	2.37	2.27	2.36	8/22/90	RL
	C) Function						8/29/90	RL
660	Pack						9/19/90	RF