

C6594551

MODEL 760™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00089045

Serial: C6594551 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 12/6/2004 7:56:57 AM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: DEF DIST DEPOT ANNISTON AL

DEF DIST DEPOT ANNISTON AL

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: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A005	Sling Strap	1
A007	With Studs	3
A010	Hard Case	1
A026	Scope w/case	1
A055	Deployment Kit	1
A057	Fit and Rear Sgt Base	3

Repair Search

Refresh

Close

hagletj

12/6/2004

8:55 AM

CAPS

NUM

INS

SCPL

start

2

2

2

2

2

2

2

Serial:
Number:

C6594551

Model: M24 SWS



RE00089045

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594551.__0
FILE DATE AND TIME: 01/07/2005 11:26

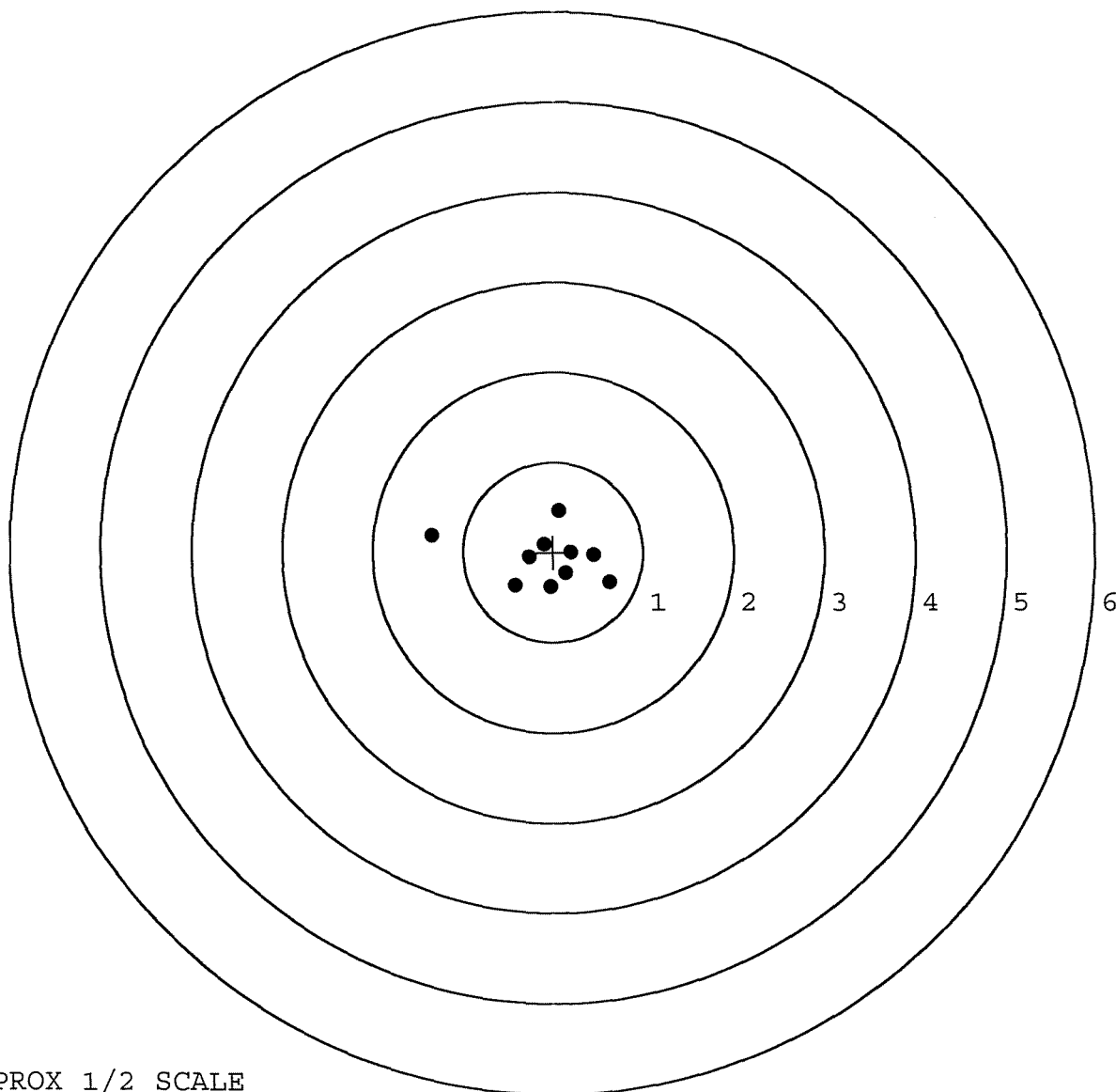
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.048
The Average Y Centroid of the Five Target Set:	-0.022
The Average Point of Impact of the Five Target Set:	0.053
The Average Mean Radius of the Five Target Set:	0.607
The Distance from POA to Centroid Target #1:	0.098
The Distance from Centroid Target #2 to Centroid Target #1:	0.080
The Distance from Centroid Target #3 to Centroid Target #1:	0.112
The Distance from Centroid Target #4 to Centroid Target #1:	0.046
The Distance from Centroid Target #5 to Centroid Target #1:	0.207

SERIAL NUMBER: C6594551. __0
 TARGET NUMBER: 1
 FILE DATE: 01/07/2005
 FILE TIME: 11:26

POINT#	X	Y
1:	0.632	-0.338
2:	0.447	-0.027
3:	0.061	0.461
4:	-1.344	0.184
5:	-0.421	-0.380
6:	-0.030	-0.393
7:	-0.269	-0.057
8:	0.145	-0.240
9:	-0.103	0.087
10:	0.197	-0.001

X CENTROID: -0.068
 Y CENTROID: -0.070
 POA TO CENTROID: 0.098
 HORZ SPREAD: 1.976
 VERT SPREAD: 0.854
 GROUP SPREAD: 2.044
 MIN RADIUS: 0.161
 MAX RADIUS: 1.301
 MEAN RADIUS: 0.482
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594551. __0

TARGET NUMBER: 2

FILE DATE: 01/07/2005

FILE TIME: 11:26

X CENTROID: -0.090

Y CENTROID: 0.007

POA TO CENTROID: 0.090

HORZ SPREAD: 1.814

VERT SPREAD: 1.858

GROUP SPREAD: 2.124

MIN RADIUS: 0.189

MAX RADIUS: 1.244

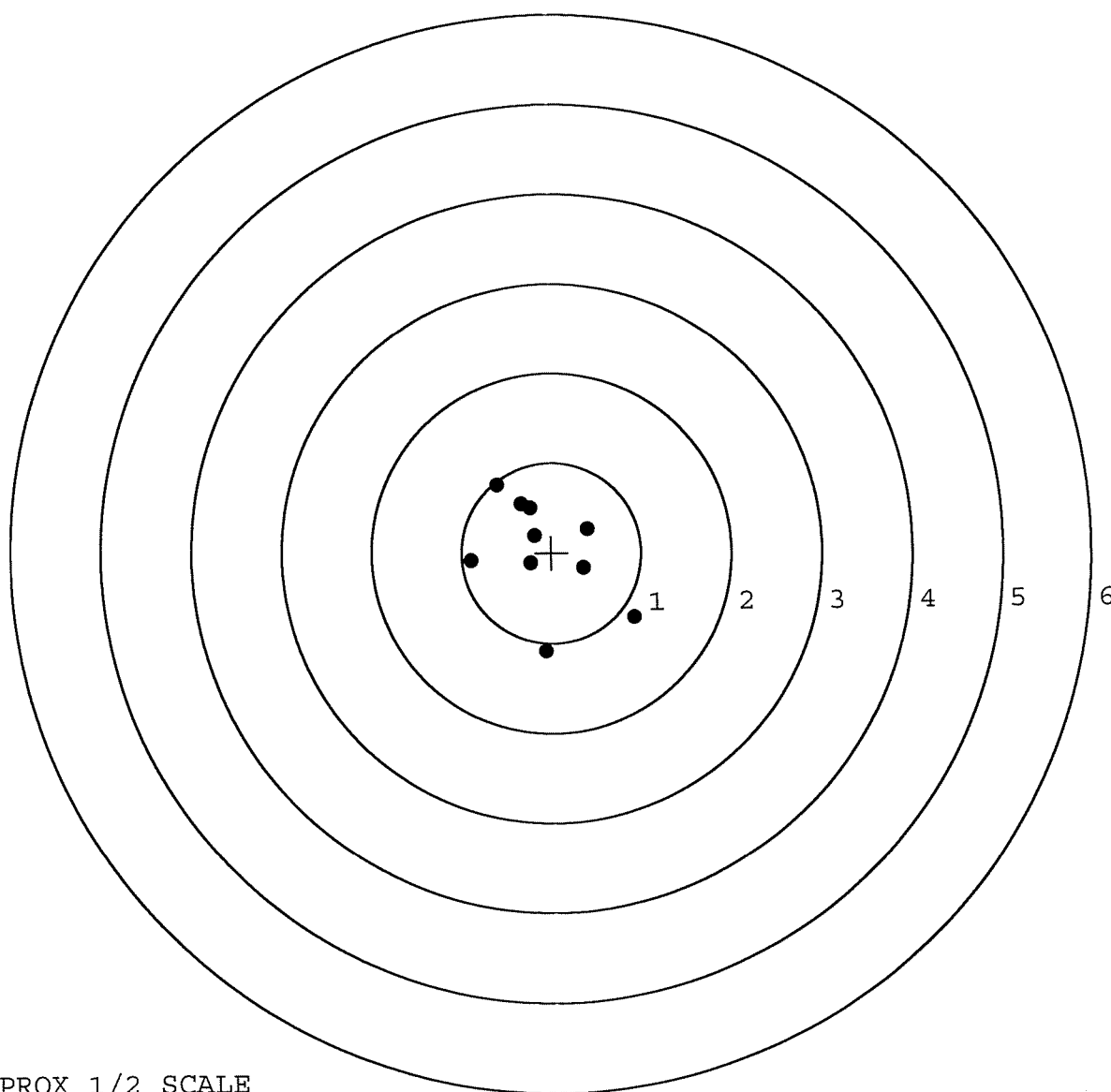
MEAN RADIUS: 0.662

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.915	-0.726
2:	-0.079	-1.099
3:	0.359	-0.168
4:	0.405	0.262
5:	-0.235	0.499
6:	-0.335	0.543
7:	-0.604	0.759
8:	-0.191	0.192
9:	-0.235	-0.114
10:	-0.899	-0.082

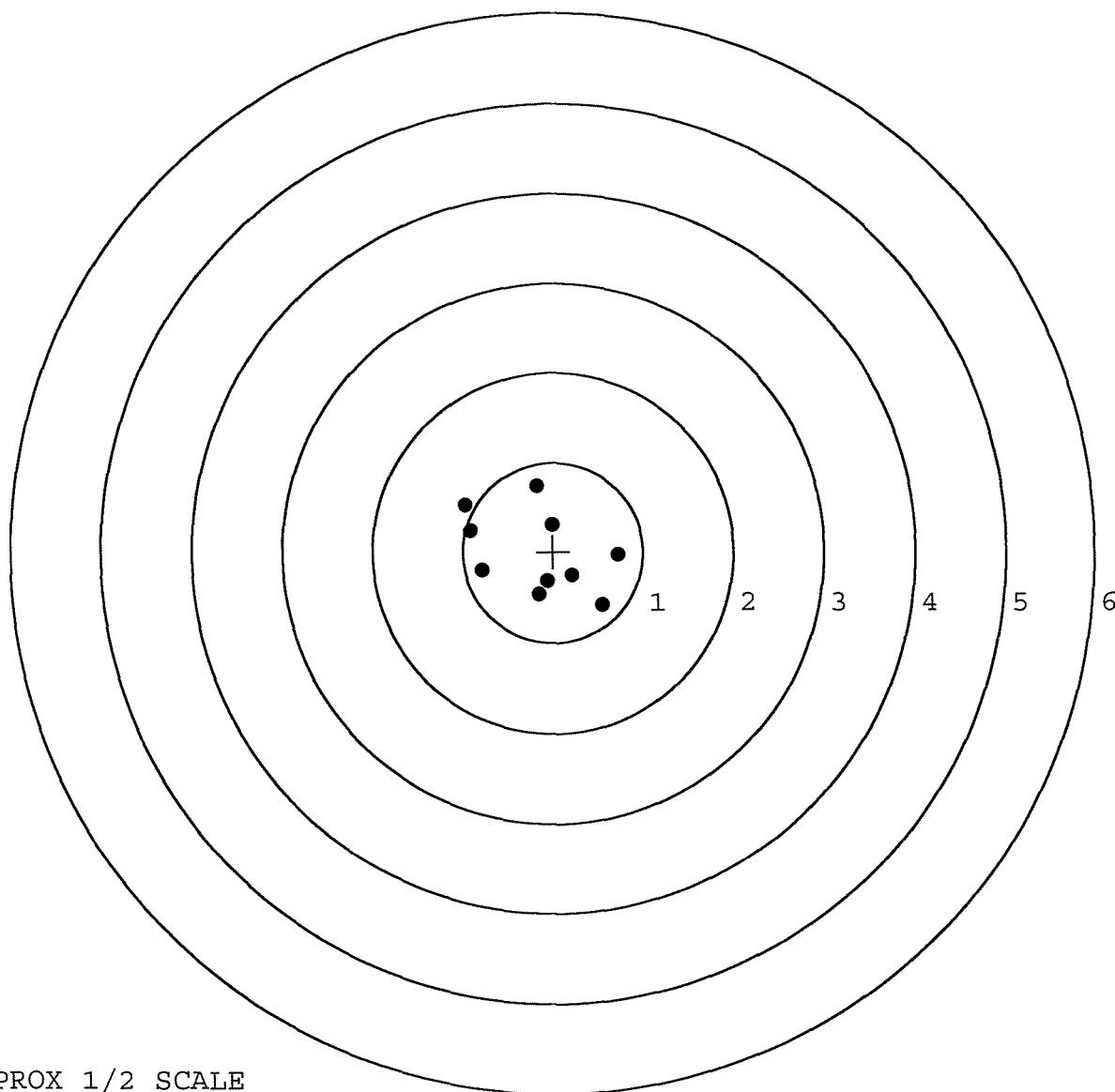


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594551. __0
 TARGET NUMBER: 3
 FILE DATE: 01/07/2005
 FILE TIME: 11:26

POINT#	X	Y
1:	0.721	-0.032
2:	0.548	-0.593
3:	0.211	-0.261
4:	-0.064	-0.329
5:	-0.159	-0.476
6:	-0.791	-0.207
7:	-0.914	0.235
8:	-0.974	0.522
9:	-0.017	0.304
10:	-0.186	0.734

X CENTROID: -0.162
 Y CENTROID: -0.010
 POA TO CENTROID: 0.163
 HORZ SPREAD: 1.695
 VERT SPREAD: 1.327
 GROUP SPREAD: 1.887
 MIN RADIUS: 0.334
 MAX RADIUS: 0.971
 MEAN RADIUS: 0.656
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

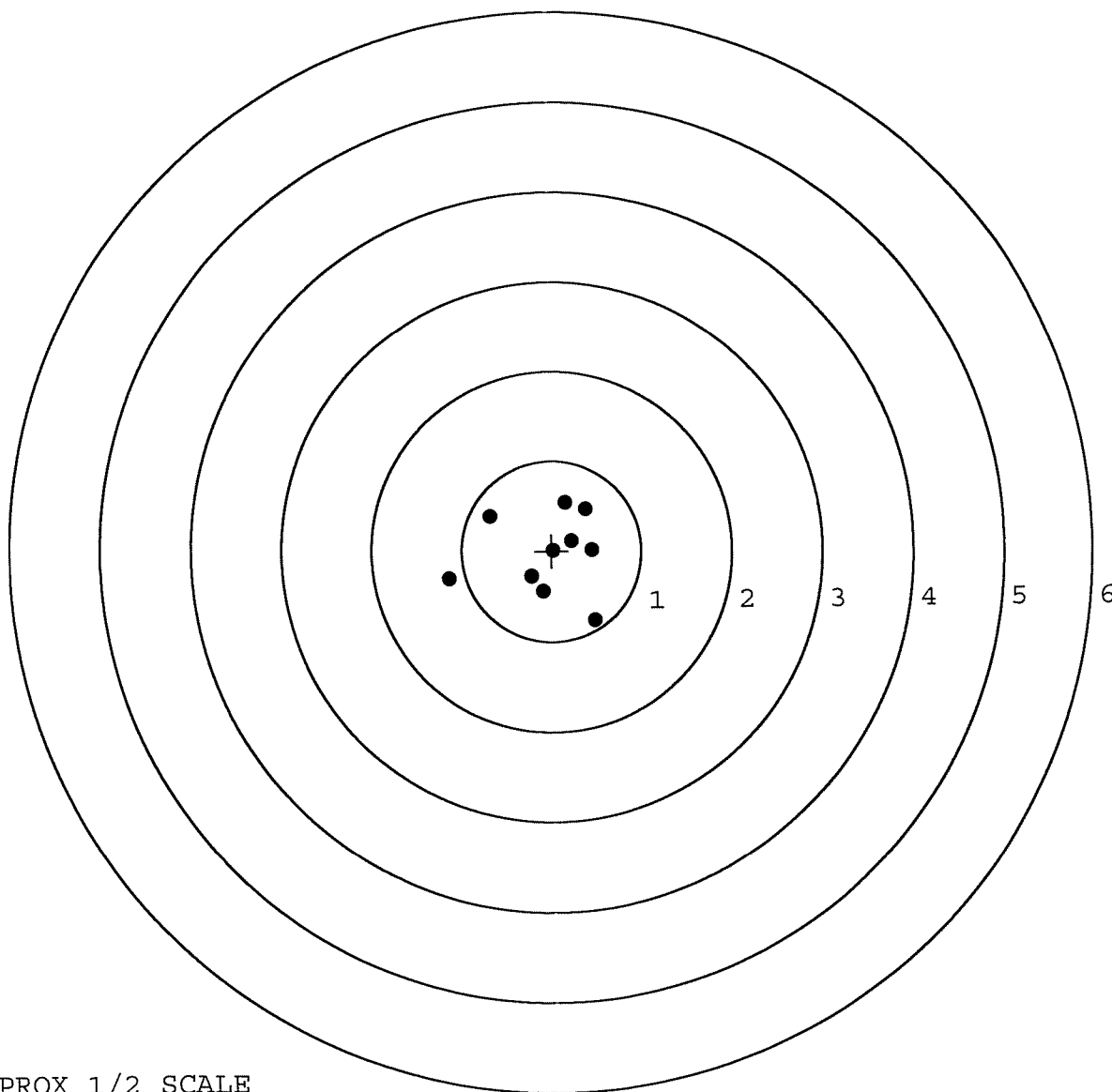


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594551. __0
 TARGET NUMBER: 4
 FILE DATE: 01/07/2005
 FILE TIME: 11:26

X CENTROID: -0.046
 Y CENTROID: -0.030
 POA TO CENTROID: 0.055
 HORZ SPREAD: 1.620
 VERT SPREAD: 1.312
 GROUP SPREAD: 1.713
 MIN RADIUS: 0.067
 MAX RADIUS: 1.134
 MEAN RADIUS: 0.566
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.146	-0.306
2:	-0.684	0.389
3:	0.159	0.539
4:	0.386	0.461
5:	0.450	0.009
6:	0.221	0.108
7:	0.014	0.000
8:	-0.229	-0.284
9:	-0.103	-0.447
10:	0.474	-0.773



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594551. __0

TARGET NUMBER: 5

FILE DATE: 01/07/2005

FILE TIME: 11:26

POINT#	X	Y
1:	1.433	-0.221
2:	0.136	0.854
3:	-0.614	0.544
4:	-0.646	-0.003
5:	-0.348	-0.138
6:	-0.280	0.235
7:	0.104	-0.326
8:	0.358	-0.117
9:	0.716	-0.390
10:	0.424	-0.502

X CENTROID: 0.128

Y CENTROID: -0.006

POA TO CENTROID: 0.128

HORZ SPREAD: 2.079

VERT SPREAD: 1.356

GROUP SPREAD: 2.185

MIN RADIUS: 0.255

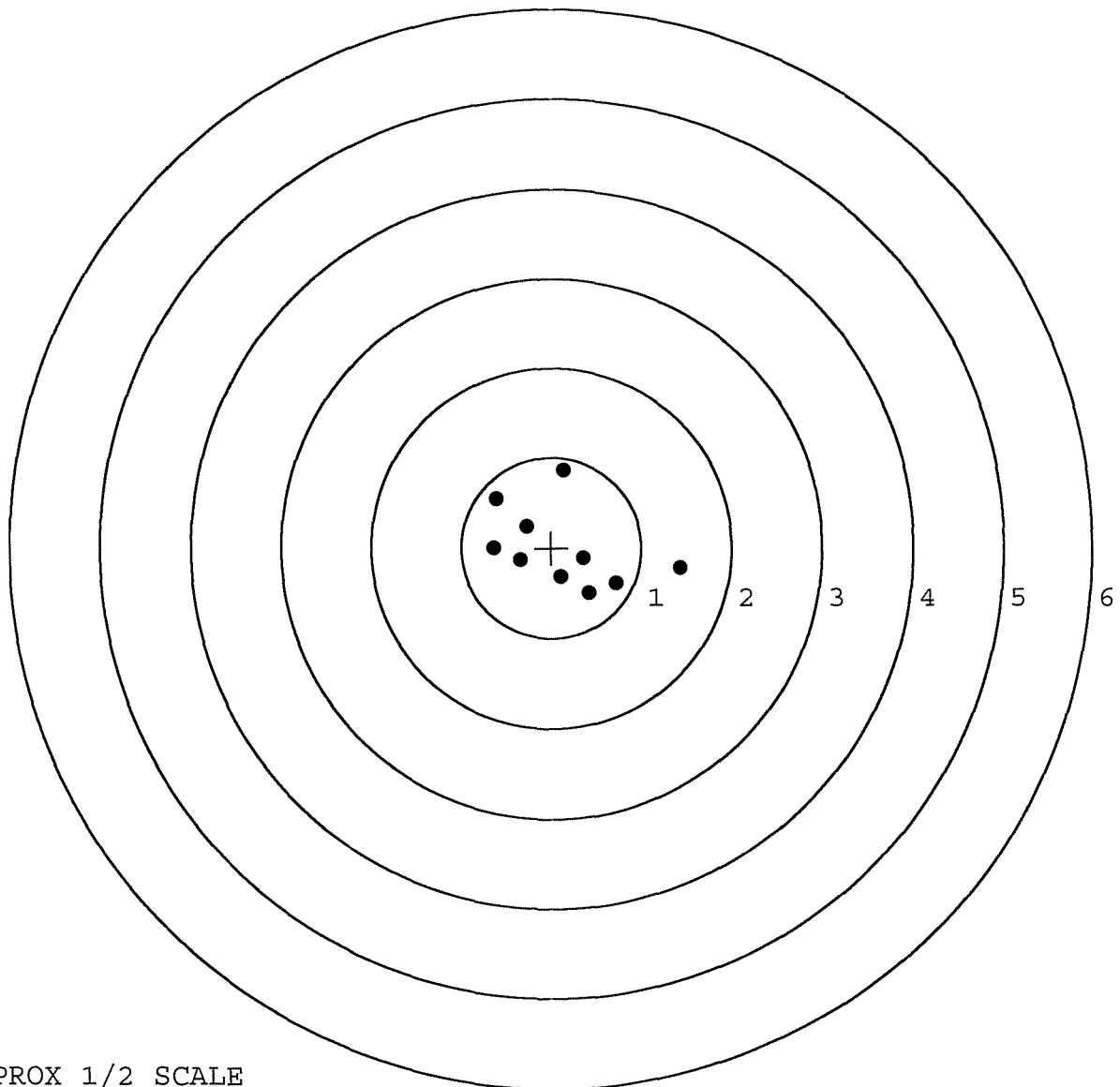
MAX RADIUS: 1.322

MEAN RADIUS: 0.670

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	89045		
SERIAL NUMBER	C 6594551		
LOG-IN DATE	12-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-8-04	AC
560 A	RE-BARREL	12-15-04	RTZ
B	DRILL AND TAP	12-27-04	TRW
575	ASSEMBLE	12-16-04	RTZ
600	PROOF	12-16-04	RTZ
605	CHECK HEADSPACE	12-16-04	RTZ
610	DIS-ASSEMBLE GUN	12-27-04	RTZ
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	12-27-04	CW
618	ROTO-BLAST	12/28/04	DG
620	APPLY COATINGS	1/3/05	HP
625 A	FINAL ASSEMBLY	1-05-05	RTZ
B	TRIGGER PULL TEST	N/A	
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-7-05	AC
655	FINAL INSPECT	1-11-05	AC
660	PACK	3-1-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington®

MODEL 700™ M24

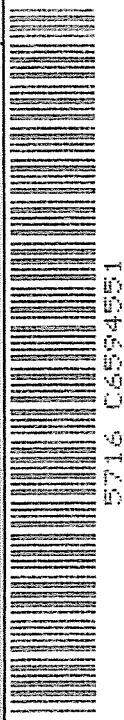
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

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

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

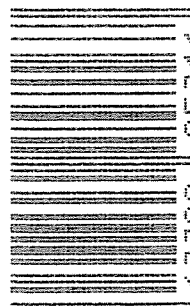
SERIAL NO.
06594551

ORDER NO.
5716



5716 06594551

UPC



0 47700 25716 7

MOD. _____		GA. CAL. _____	GUN # _____
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st 1/22-91	shave brass don't eject	
	2nd 1/23/91	Ream Ejector Hole & Polish Ejector Needs 100 Rd test	RW
	3rd	100 Rd. test Jan 29, 1991	OK AK
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594551

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GL
617	Drill and Tap Sight Holes	1 10 91		FB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1-18-91	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/91	RW
	C) Inspect Ejector Hole for Chamfer		1/19/91	RW
	D) Oil Firing Pin Ass'y		1/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-22-91	GL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 $\frac{3}{4}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$			1/22/91	WB
	G) Safety Off Force	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$			1/22/91	WB
	H) Trigger Pull Test & Retainability						1-22-91	Off
	I) Firing Pin Indent	.020	.020	.020			1/22/91	WB
	J) Assemble Stock						1/22/91	RW
	K) Assemble Swivel Studs						2-4-91	AC
	L) Attach Front and Rear Sight Assemblies						1/22/91	RW
	M) Iron Sight Alignment						1/22/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/22/91	RW
	O) Attach Scope to Rifle						1/22/91	RW
	P) Detach & Attach Scope 20 Times						1/22/91	RW
640	Gallery Target & Test						1-22-91	DH
	A) Time						1-22-91	DH
	B) Malfunctions						1-22-91	DH
	C) Pierced Primers						1-22-91	DH
	D) Optical Clarity of Scope						1-22-91	DH
645	Inspect for Live Ammo						1-22-91	DH
655	Final Inspection							
	A) Headspace						2-4-91	AC
	B) Trigger Pull	2.45	2.47	2.49	2.45	2.47	2-1-91	Off
	C) Function						2-4-91	AC
660	Pack						3-19-91	N=

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06594551DATE 1-22-91TESTER JA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.15	2.44	2.45	MIN. SETTING,
PULL #2	2.27	2.33	2.29	2.47	NO AVG. OF 5
PULL #3	2.30	2.30	2.38	2.49	READINGS ACCEPT-
PULL #4	2.35	2.32	2.39	2.45	ABLE LESS THAN 2#
PULL #5	2.36	2.37	2.32	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.38		
PULL #2	3.20	3.30		
PULL #3	3.25	3.26		
PULL #4	3.27	3.28		
PULL #5	3.36	3.32		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.20		4.29
PULL #2	4.37	4.31		4.13
PULL #3	4.38	4.27		4.24
PULL #4	4.33	4.24		4.24
PULL #5	4.37	4.30		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # C6594551
 23 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.127475
1 TO	2	.340178
1 TO	3	.0208087
1 TO	4	.420288
1 TO	5	.216633

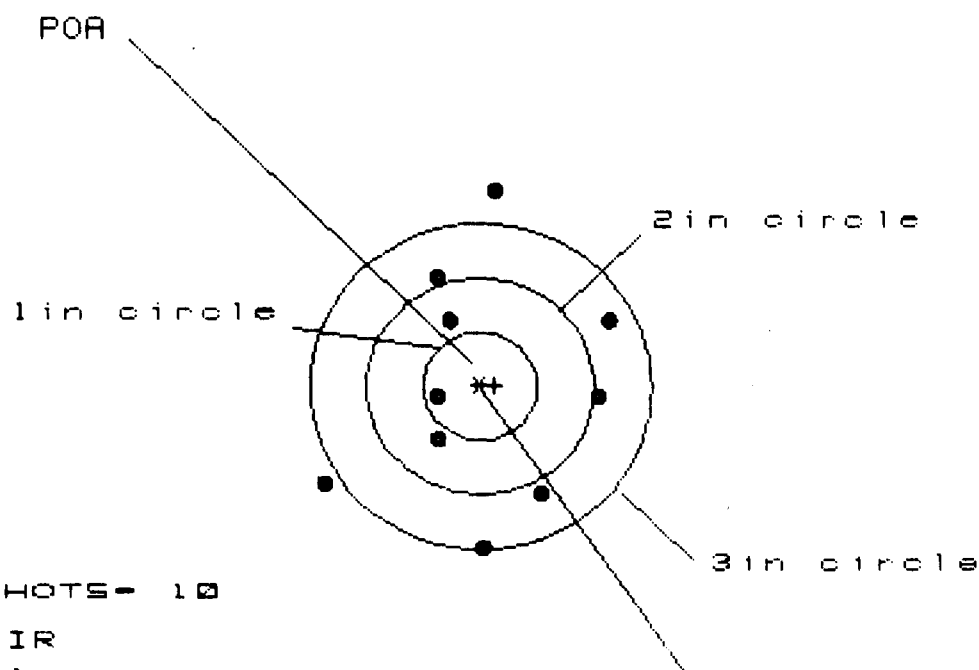
2.4
 3.1 (----POA

1. AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.072
 2. AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1472
 3. AVERAGE POI RADIUS FOR THIS RIFLE IS: .163865
 4. AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.03

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594551

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.516

VS= 3.304

GS= 3.307

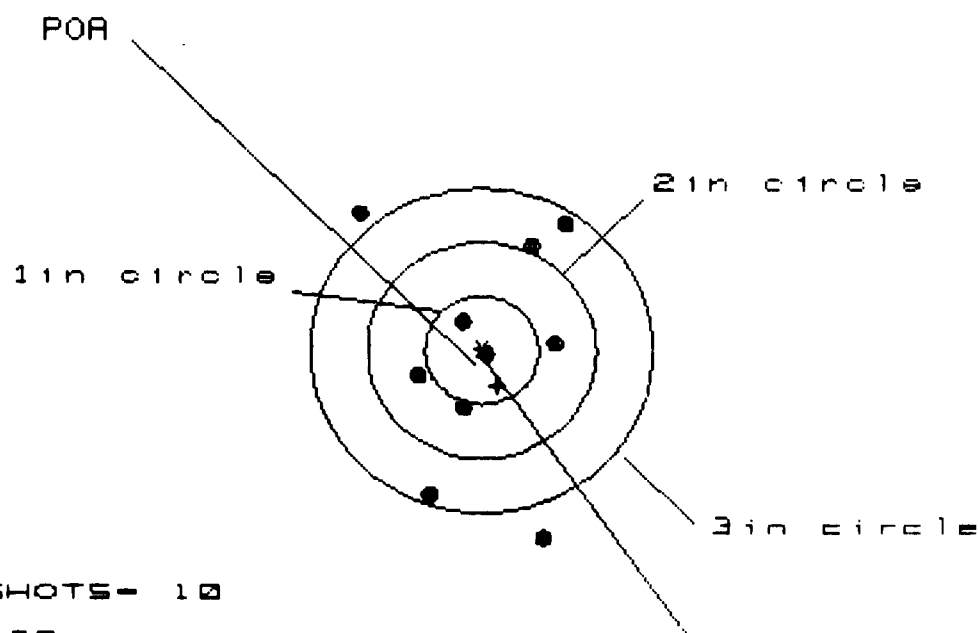
CENTROID *

PATTERN #		10	9	8
SHOTS (BEST OF)		10	9	8
MAXIMUM X		1.094	1.113	.938
MINIMUM X		-1.422	-1.403	-.545
MAXIMUM Y		1.792	1.181	1.096
MINIMUM Y		-1.512	-1.313	-1.398
CENTROID X		-.127	-.146	.029
CENTROID Y		-.011	-.210	-.125
POA TO CENTROID in.		.128	.256	.128
MIN RADIUS		.364	.378	.524
MEAN RADIUS		1.105	1.016	.950
MAX RADIUS		1.800	1.558	1.404
HORIZONTAL SPREAD		2.516	2.516	1.483
VERTICAL SPREAD		3.304	2.494	2.494
EXTREME SPREAD		3.307	2.900	2.520
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	7		

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594551

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 3

HS = 1.799

VS = 3.041

GS = 3.437

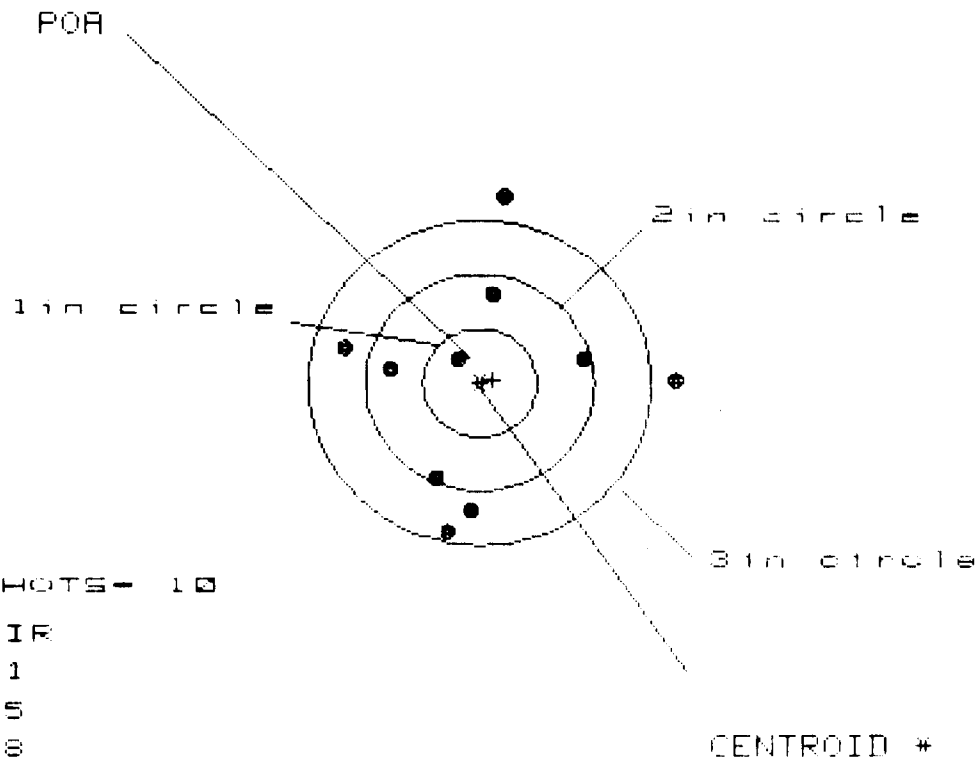
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.740	.800	.675
MINIMUM X	:	-1.059	-.999	-.672
MAXIMUM Y	:	1.299	1.105	1.084
MINIMUM Y	:	-1.742	-1.481	-1.343
CENTROID X	:	-.138	-.198	-.073
CENTROID Y	:	.329	.523	.385
POA TO CENTROID in.	:	.357	.559	.392
MIN RADIUS	:	.040	.153	.080
MEAN RADIUS	:	.956	.859	.761
MAX RADIUS	:	1.825	1.534	1.441
HORIZONTAL SPREAD	:	1.799	1.799	1.347
VERTICAL SPREAD	:	3.041	2.586	2.427
EXTREME SPREAD	:	3.437	2.707	2.707
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	3		

23 Jan 1991

FILE: PATTERNING/CENTERFIRE_PATT/06594551

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.920

VS = 3.043

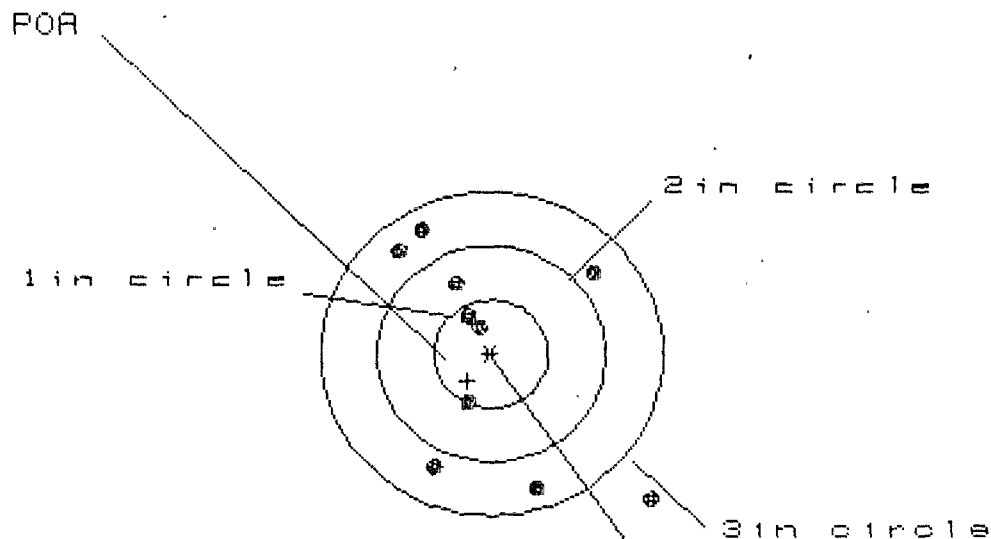
GS = 3.088

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.728	1.077	1.133
MINIMUM X	:	-1.192	-1.000	-0.944
MAXIMUM Y	:	1.684	1.682	1.039
MINIMUM Y	:	-1.359	-1.361	-1.151
CENTROID X	:	-0.115	-0.307	-0.363
CENTROID Y	:	-0.028	-0.026	-0.236
POB TO CENTROID in.	:	.118	.308	.433
MIN RADIUS	:	.322	.233	.442
MEAN RADIUS	:	1.113	1.014	.920
MAX RADIUS	:	1.728	1.739	1.223
HORIZONTAL SPREAD	:	2.920	2.077	2.077
VERTICAL SPREAD	:	3.043	3.043	2.190
EXTREME SPREAD	:	3.088	3.088	2.219
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594551

CENTERFIRE PATTERNS # 4



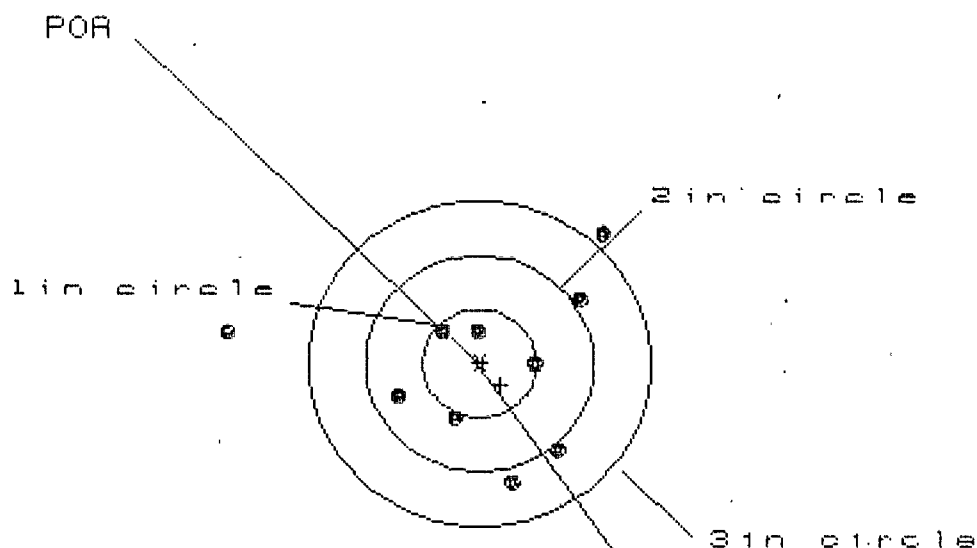
OF SHOTS- 10
IN CIR
1 in - 3
2 in - 4
3 in - 9
HS- 2.265
VS- 2.535
GS- 3.250

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.428	1.032	1.104
MINIMUM X	-.837	-.679	-.607
MAXIMUM Y	1.168	1.016	.839
MINIMUM Y	-1.367	-1.417	-1.329
CENTROID X	.204	.046	-.026
CENTROID Y	.248	.400	.577
POA TO CENTROID in.	.321	.403	.578
MIN RADIUS	.249	.108	.062
MEAN RADIUS	1.000	.833	.710
MAX RADIUS	1.977	1.528	1.357
HORIZONTAL SPREAD	2.265	1.711	1.711
VERTICAL SPREAD	2.535	2.433	2.168
EXTREME SPREAD	3.250	2.638	2.253
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

23 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594551

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 3.313

VS= 2.345

GS= 3.429

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.128
MINIMUM X	-2.185
MAXIMUM Y	1.231
MINIMUM Y	-1.114
CENTROID X	-.184
CENTROID Y	.198
POA TO CENTROID in.	.271
MIN RADIUS	.274
MEAN RADIUS	.974
MAX RADIUS	2.212
HORIZONTAL SPREAD	3.313
VERTICAL SPREAD	2.345
EXTREME SPREAD	3.429
NUMBER IN ONE INCH CIRCLE =	3
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. C6594551DATE 10-18-95TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.63	2.59	2.70	MIN. SETTING, NO AVG. OF 5- READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.65	2.66	
PULL #3	2.63	2.61	2.66	
PULL #4	2.56	2.58	2.63	
PULL #5	2.70	2.59	2.56	
TOTAL	13.06	13.02	13.21	
AVG.	2.61	2.60	2.64	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.10	3.24	
PULL #2	3.10	3.07	
PULL #3	3.04	3.11	
PULL #4	3.12	3.08	
PULL #5	3.06	3.14	
TOTAL	15.42	15.64	
AVG.	3.08	3.12	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	4.00	4.01	
PULL #2	3.90	3.85	4.00	
PULL #3	3.90	3.88	3.97	
PULL #4	3.89	3.82	3.97	
PULL #5	3.90	3.85	4.06	
TOTAL	19.61	19.40	20.01	
AVG.	3.92	3.88	4.00	

GUN SERIAL #

C 6594551

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

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			12/14	WB
	G) Safety Off Force	3	3	3			12/14	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.62	2.78	2.71	2.58	2.72	12/14	WB
	C) Function							
660	Pack							