

C6587728

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System

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

Repair Inquiry

Repair Number: **RE00092857** Serial: C6587728 Model: M24 SWS Center Fire
 Verify Repair: [REDACTED] Caliber: 7.62 NATO Produced: 12/19/1990
 Repairman: [REDACTED] Status: Closed 2/10/2005 11:38:25 AM

Address Information

Customer: [REDACTED] Received From: [REDACTED] Return To: [REDACTED] Received From: [REDACTED]

Name: **DEF DIST DEPOT ANNISTON** **DEF DIST DEPOT ANNISTON**

Address 1: [REDACTED] Address 2: [REDACTED] PO Box: [REDACTED]

City: **ANNISTON** **ANNISTON**

State: **AL** Zip Code: **362014199** Country: **US** State: **AL** Zip Code: **362014199** Country: **US**

PFL: [REDACTED]

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: [REDACTED] Fax: [REDACTED] Email: [REDACTED] Comments: [REDACTED]

Received Condition: Good Condition Notes: [REDACTED] CSP Notes: [REDACTED]

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A037	Frt and Rear Sgt Base	1

Repair Search Refresh Close

maglev 2/14/2005 9:21 AM CAPS NUM HNS SSOL

start 5 2 4 Arms Service

Serial Number: **C6587728**

Model: **M24 SWS**



RE00092857

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587728.___0
FILE DATE AND TIME: 06/27/2005 06:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.215
The Average Y Centroid of the Five Target Set:	0.122
The Average Point of Impact of the Five Target Set:	0.248
The Average Mean Radius of the Five Target Set:	1.047
The Distance from POA to Centroid Target #1:	0.324
The Distance from Centroid Target #2 to Centroid Target #1:	0.333
The Distance from Centroid Target #3 to Centroid Target #1:	0.214
The Distance from Centroid Target #4 to Centroid Target #1:	0.586
The Distance from Centroid Target #5 to Centroid Target #1:	1.217

SERIAL NUMBER: C6587728. 0

TARGET NUMBER: 1

FILE DATE: 06/27/2005

FILE TIME: 06:55

X CENTROID: -0.316

Y CENTROID: -0.073

POA TO CENTROID: 0.324

HORZ SPREAD: 2.026

VERT SPREAD: 2.529

GROUP SPREAD: 2.706

MIN RADIUS: 0.186

MAX RADIUS: 1.604

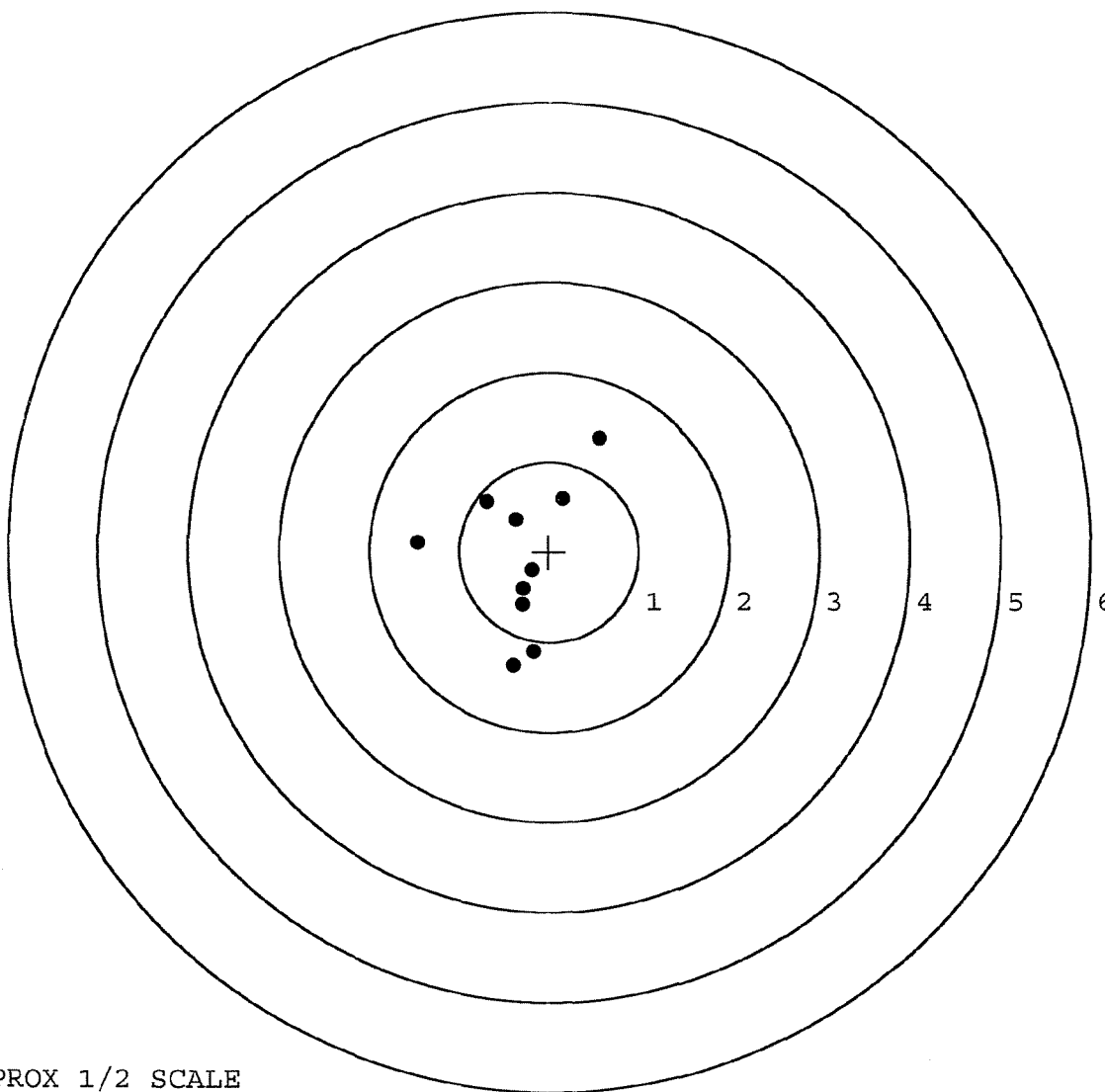
MEAN RADIUS: 0.803

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.399	-1.260
2:	-0.168	-1.111
3:	-0.294	-0.590
4:	-0.287	-0.419
5:	-0.191	-0.210
6:	0.564	1.269
7:	0.150	0.593
8:	-0.375	0.354
9:	-0.695	0.554
10:	-1.462	0.094



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587728._0

TARGET NUMBER: 2

FILE DATE: 06/27/2005

FILE TIME: 06:55

X CENTROID: -0.043

Y CENTROID: 0.118

POA TO CENTROID: 0.125

HORZ SPREAD: 2.375

VERT SPREAD: 2.039

GROUP SPREAD: 2.397

MIN RADIUS: 0.305

MAX RADIUS: 1.416

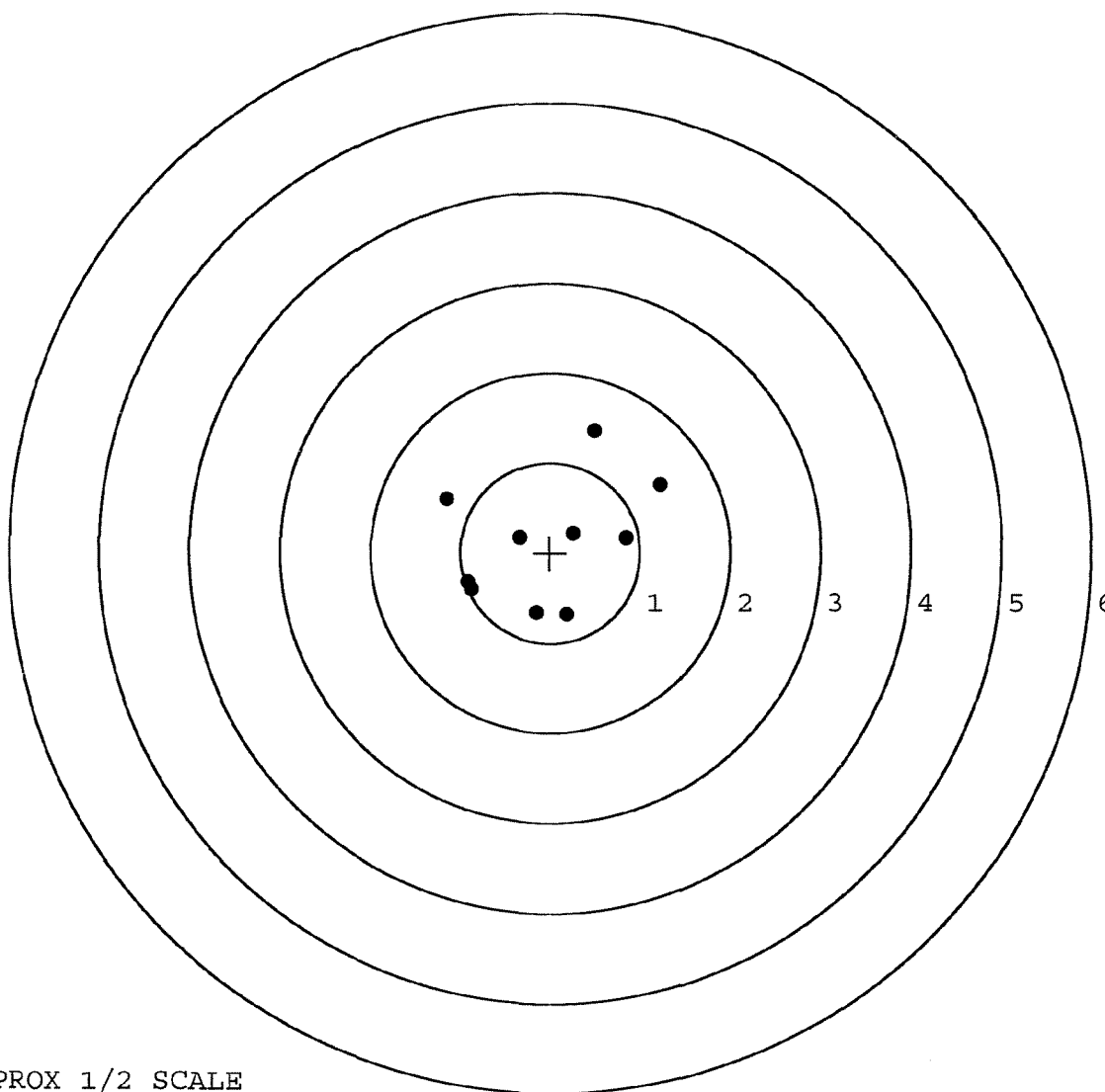
MEAN RADIUS: 0.907

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.843	0.161
2:	1.221	0.757
3:	0.499	1.358
4:	0.258	0.217
5:	0.191	-0.681
6:	-0.155	-0.662
7:	-0.874	-0.407
8:	-0.343	0.171
9:	-0.915	-0.329
10:	-1.154	0.592



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587728. __0

TARGET NUMBER: 3

FILE DATE: 06/27/2005

FILE TIME: 06:55

X CENTROID: -0.112

Y CENTROID: -0.006

POA TO CENTROID: 0.112

HORZ SPREAD: 2.350

VERT SPREAD: 3.063

GROUP SPREAD: 3.825

MIN RADIUS: 0.149

MAX RADIUS: 2.153

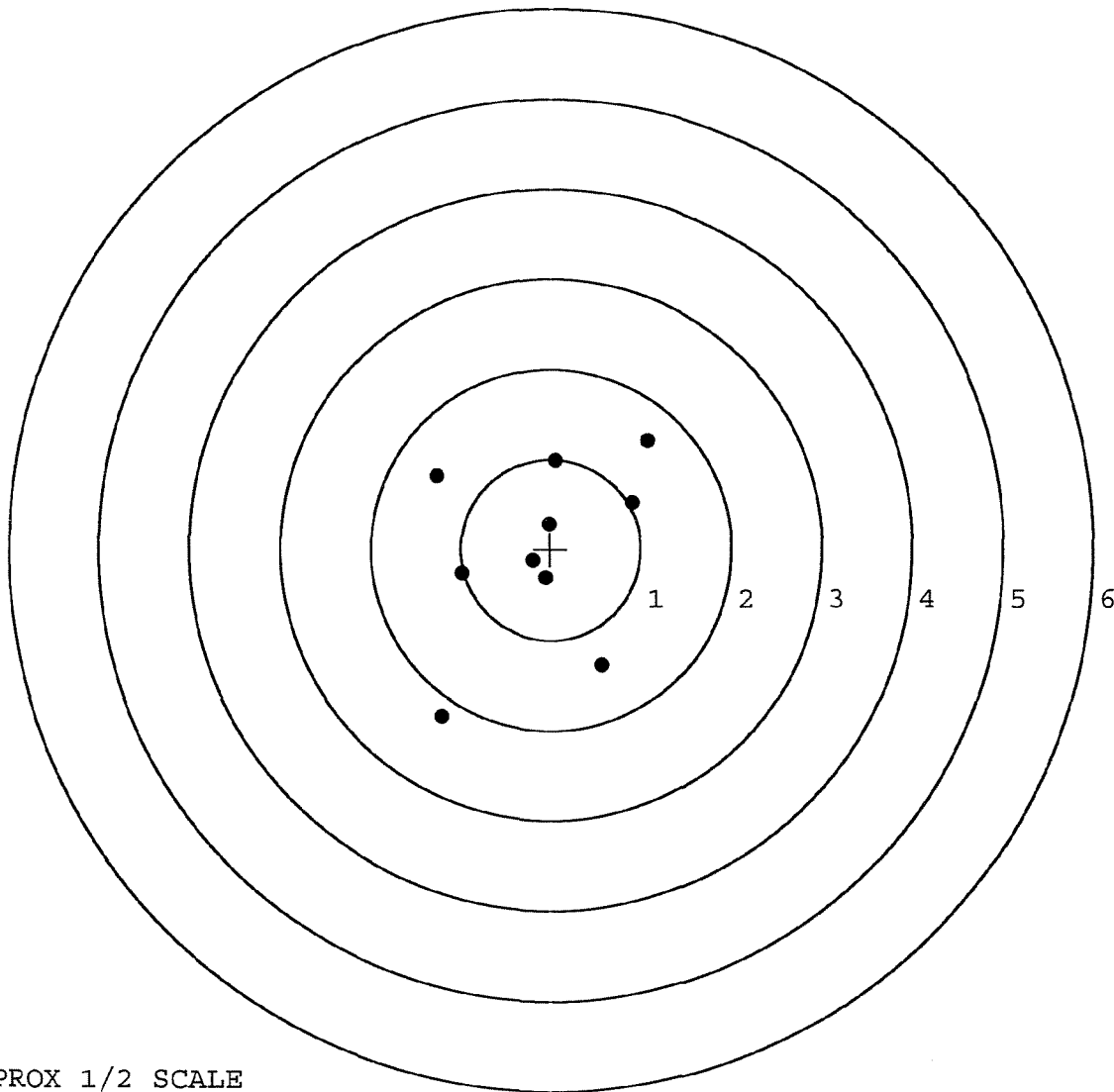
MEAN RADIUS: 1.054

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.567	-1.275
2:	0.902	0.514
3:	1.080	1.206
4:	0.060	0.992
5:	-1.270	0.811
6:	-0.982	-0.277
7:	-1.211	-1.857
8:	-0.054	-0.320
9:	-0.194	-0.130
10:	-0.020	0.277



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587728. __0

TARGET NUMBER: 4

FILE DATE: 06/27/2005

FILE TIME: 06:55

X CENTROID: -0.728

Y CENTROID: -0.489

POA TO CENTROID: 0.877

HORZ SPREAD: 3.897

VERT SPREAD: 2.322

GROUP SPREAD: 4.198

MIN RADIUS: 0.072

MAX RADIUS: 2.396

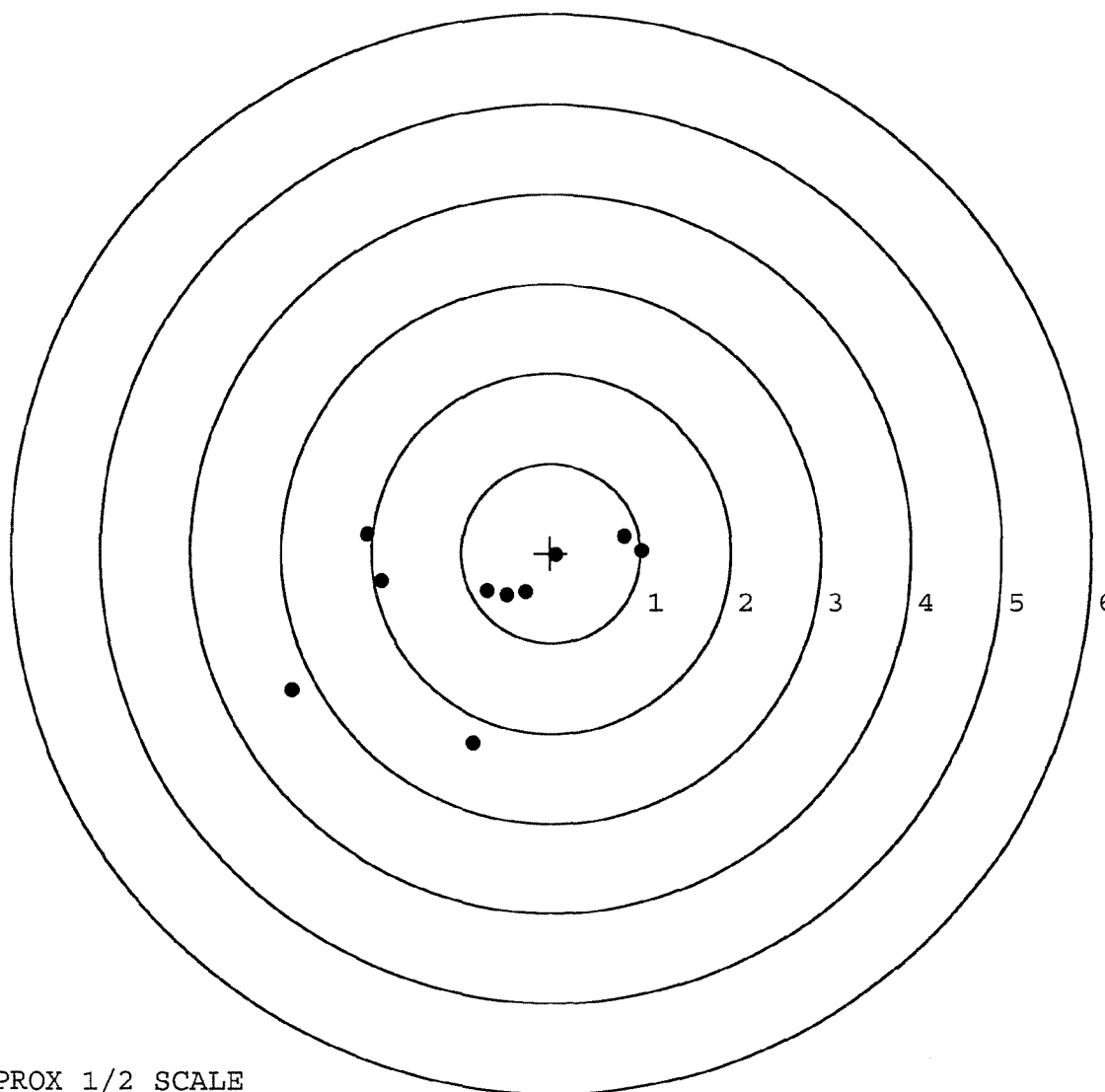
MEAN RADIUS: 1.188

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	1.014	0.027
2:	0.819	0.188
3:	0.066	-0.025
4:	-0.284	-0.436
5:	-0.490	-0.472
6:	-0.709	-0.420
7:	-2.050	0.210
8:	-1.889	-0.315
9:	-2.883	-1.535
10:	-0.873	-2.112



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587728. 0

TARGET NUMBER: 5

FILE DATE: 06/27/2005

FILE TIME: 06:55

X CENTROID: 0.123

Y CENTROID: 1.062

POA TO CENTROID: 1.069

HORZ SPREAD: 2.901

VERT SPREAD: 3.297

GROUP SPREAD: 2.911

MIN RADIUS: 0.483

MAX RADIUS: 1.933

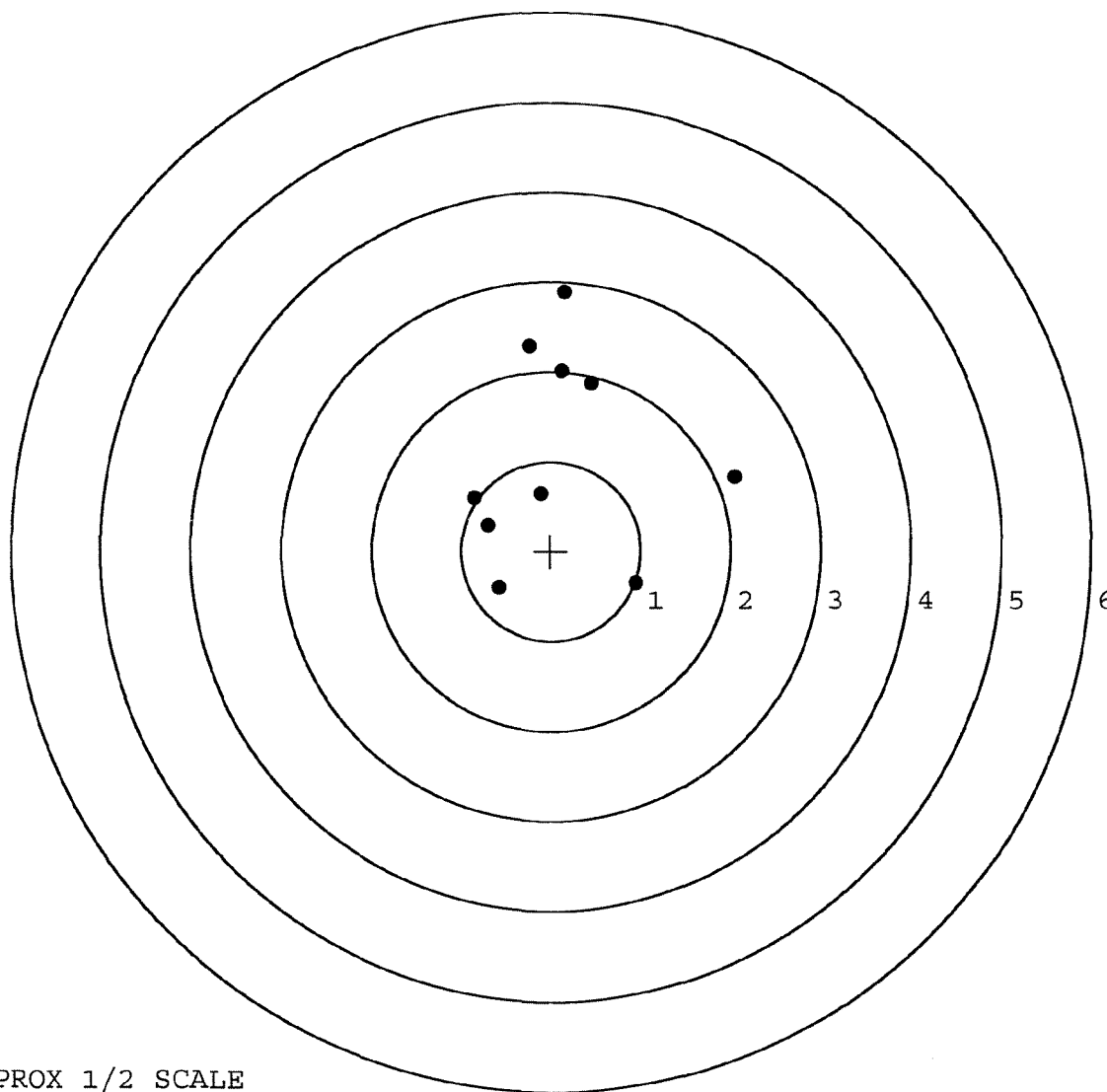
MEAN RADIUS: 1.285

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.953	-0.363
2:	-0.576	-0.417
3:	-0.118	0.644
4:	-0.704	0.281
5:	-0.859	0.593
6:	2.042	0.833
7:	0.454	1.873
8:	0.125	2.011
9:	-0.242	2.286
10:	0.154	2.880



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92857				
SERIAL NUMBER	C6587728				
LOG-IN DATE	2-10-05				
INSPECT AND VERIFY:					
OPERATION #	OPERATION NAME	DATE	INITIAL		
550	DIS-ASSEMBLE GUN	X	X		
560 A	RE-BARREL				
B	DRILL AND TAP				
575	ASSEMBLE				
600	PROOF				
605	CHECK HEADSPACE				
610	DIS-ASSEMBLE GUN				
612	MAGNAFLUX				
615	ROLLMARK CALIBER				
618	ROTO-BLAST				
620	APPLY COATINGS				
625 A	FINAL ASSEMBLY				
B	TRIGGER PULL TEST				
C	SAFETY "ON" FORCE			17-14-05	AC
D	SAFETY "OFF" FORCE			7-14-05	AC
E	FIRING PIN INDENT	7-14-05	AC		
640	TARGET TEST	6-27-05	TRC		
655	FINAL INSPECT	7-14-05	AC		
660	PACK	9-7-05	DA		
		SHIP DATE			
QAR INSPECTION DATE					

RECEIVING AND ESTIMATING REPORT

COMMENTS

LO

ORDER
R 94-18835

INITIAL CUSTOMER ORDER NO.

JJM DAAA09-92-C-0834

W/10X SCOPE M-24 SNIPER W/DEPLOYMENT KIT

ATTN FRED MARTIN

SCOPE S/N 90 0334

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

06/14/94

06/15/94

C6587728

700 7.62

NATO

ACCESSORIES

HARD CASE

SCOPE MNTS

SCOPE BASE

SLING STRAP

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

7-18-96 UPS

GUN CONDITION

- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

NEW BARREL
Stock
TRIGGER ASSY
FIRING PIN ASSY
MAG BOX FOLLOWER
AND SPRING
Front & Rear Sight ASSY

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400025996

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	8	8	8	7-18	REP
	G) Safety Off Force	4	4	4	7-18	REP
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent	.024	.024	.0235	7-18	REP
	J) Assemble Stock				7-18	REP
	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				7-18	REP
	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	2.50	2.44	2.43	2.36	2.47
	C) Function				8/1/96	SF
660	Pack					

CONTRACT # DAAA21-87-C-0086

GUN SERIAL

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		7-18	REP
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7-18	REP
	C) Inspect Ejector Hole for Chamfer		7-18	REP
	D) Oil Firing Pin Ass'y		7-18	REP
	E) Adjust Trigger Pull to Min Setting and Stake			

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587228
DATE 7-16-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.64	2.50	2.73		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.68	2.73	2.60		
PULL #3	2.68	2.68	2.89		
PULL #4	2.69	2.60	2.73		
PULL #5	2.76	2.64	2.88		
TOTAL	13.45	13.15	13.83		
AVG.	2.69	2.63	2.76		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.21		
PULL #2	3.15	3.27		
PULL #3	3.09	3.23		
PULL #4	3.00	3.05		
PULL #5	3.10	3.00		
TOTAL	15.53	15.76		
AVG.	3.10	3.15		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.10		4.13
PULL #2	4.15	4.05		4.19
PULL #3	4.15	4.06		4.16
PULL #4	4.03	4.24		4.22
PULL #5	4.17	4.20		4.06
TOTAL	20.79	20.65		20.76
AVG.	4.15	4.13		4.15

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587728
7 Jan 1900

CENTROIDAL DISTANCES

Ø TO	1	.447236
1 TO	2	.421222
1 TO	3	.865227
1 TO	4	.843083
1 TO	5	.274233

3.251

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0436
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0306
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0532665

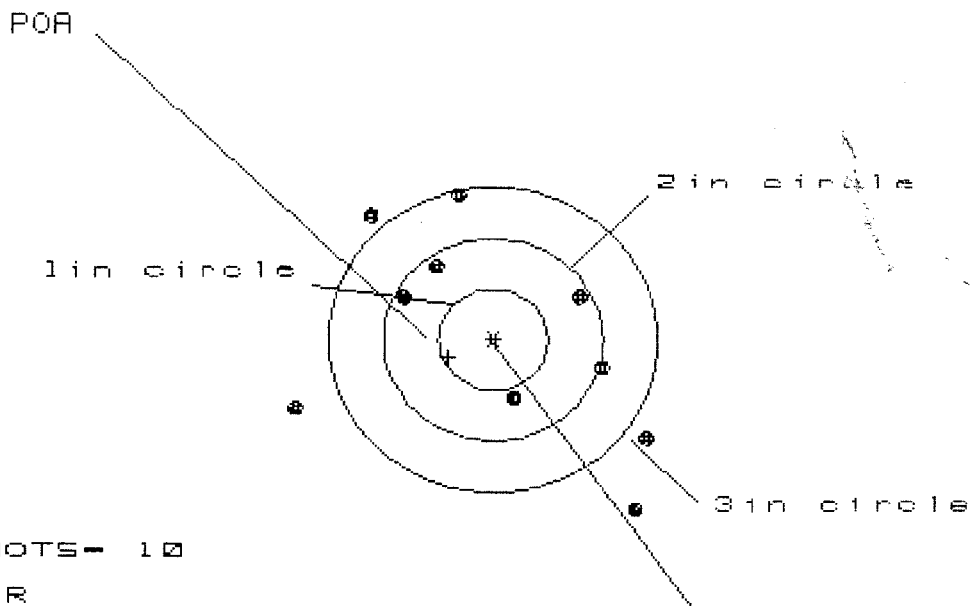
THE AMR FOR THIS RIFLE IS: 1.158

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06587728

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 3.215

VS= 3.073

CS= 3.744

CENTROID *

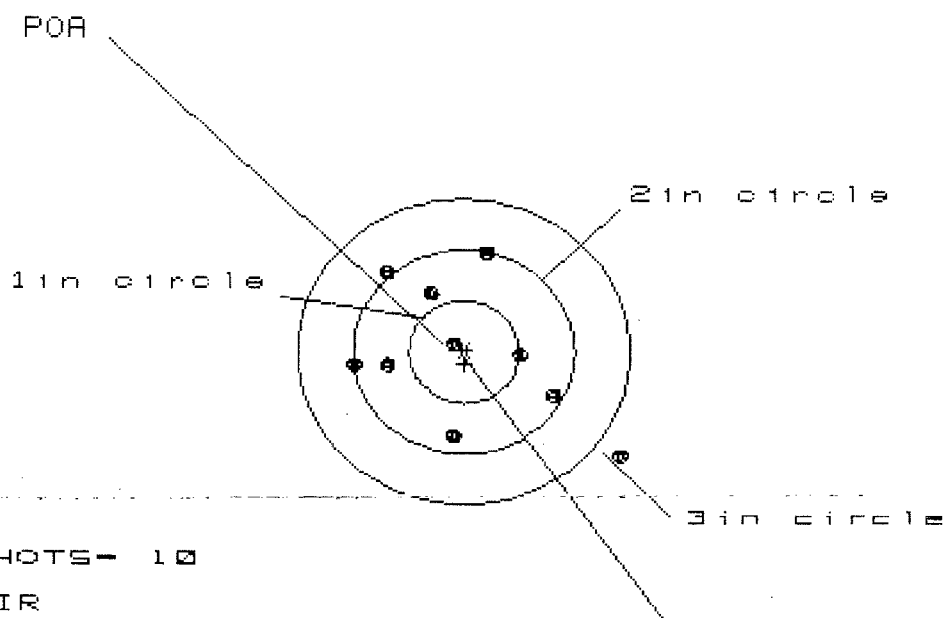
CS= 3.744

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.374	1.519	1.307
MINIMUM X	:	-1.841	-1.696	-1.189
MAXIMUM Y	:	1.408	1.223	1.121
MINIMUM Y	:	-1.665	-1.160	-1.262
CENTROID X	:	.412	.267	.479
CENTROID Y	:	.174	.359	.461
POA TO CENTROID in.	:	.448	.447	.664
MIN RADIUS	:	.570	.656	.679
MEAN RADIUS	:	1.302	1.186	1.085
MAX RADIUS	:	2.119	1.912	1.817
HORIZONTAL SPREAD	:	3.215	3.215	2.496
VERTICAL SPREAD	:	3.073	2.383	2.383
EXTREME SPREAD	:	3.744	3.298	3.298
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	6		

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587728

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.371

VS= 1.922

GS= 2.683

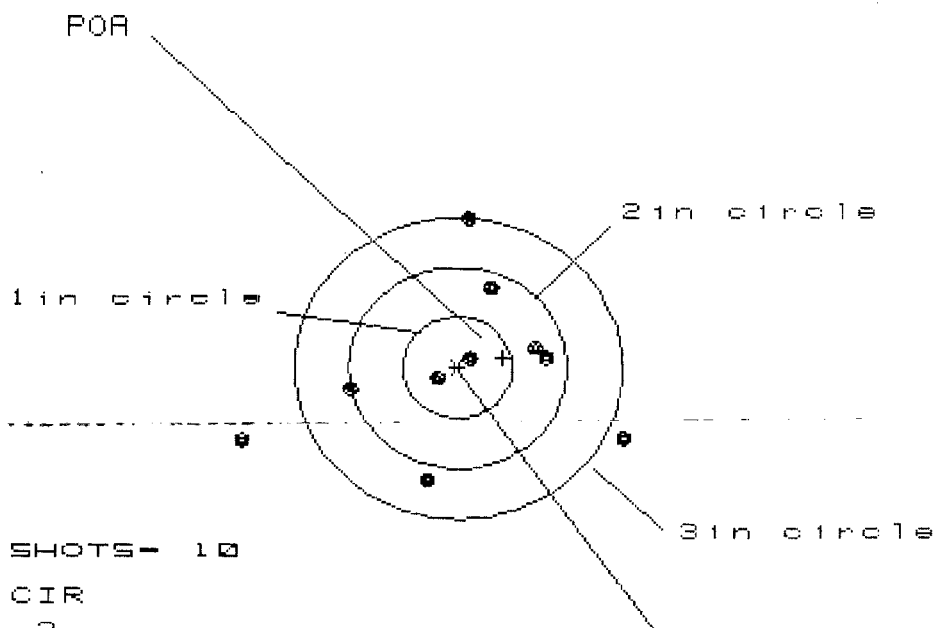
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.356	.976	.906
MINIMUM X	:	-1.015	-.365	-.935
MAXIMUM Y	:	.945	.837	.915
MINIMUM Y	:	-.977	-.893	-.815
CENTROID X	:	-.006	-.156	-.086
CENTROID Y	:	.122	.230	.152
POA TO CENTROID in.	:	.122	.278	.175
MIN RADIUS	:	.146	.082	.097
MEAN RADIUS	:	.839	.716	.702
MAX RADIUS	:	1.671	1.095	.998
HORIZONTAL SPREAD	:	2.371	1.841	1.841
VERTICAL SPREAD	:	1.922	1.730	1.730
EXTREME SPREAD	:	2.683	1.903	1.866
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Jan 1908

FILE:/PATTERNING/CENTERFIRE_PATT/C6587728

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 3.466

VS= 2.611

GS= 3.466

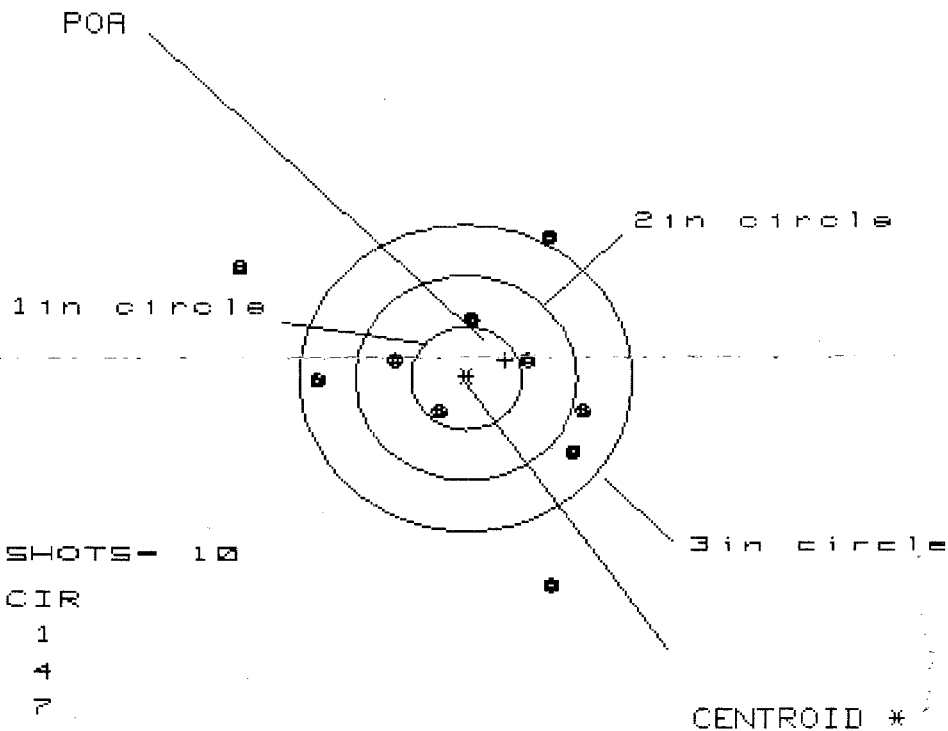
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.484	1.264	.789
MINIMUM X	:	-1.982	-1.199	-1.041
MAXIMUM Y	:	1.495	1.421	1.324
MINIMUM Y	:	-1.116	-1.190	-1.287
CENTROID X	:	-.411	-.191	-.349
CENTROID Y	:	-.093	-.019	.078
POA TO CENTROID in.	:	.421	.192	.357
MIN RADIUS	:	.160	.142	.048
MEAN RADIUS	:	1.027	.884	.794
MAX RADIUS	:	2.093	1.479	1.346
HORIZONTAL SPREAD	:	3.466	2.463	1.830
VERTICAL SPREAD	:	2.611	2.611	2.611
EXTREME SPREAD	:	3.466	2.642	2.642
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587728

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 3.047

VS= 3.378

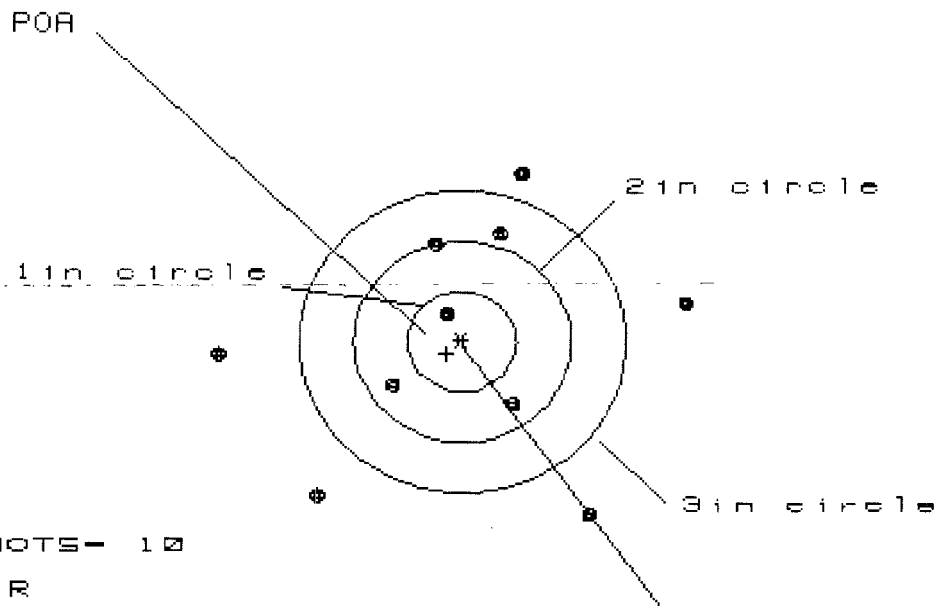
GS= 4.140

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.039	.816	.885
MINIMUM X	:	-2.008	-1.604	-1.535
MAXIMUM Y	:	1.390	1.510	1.276
MINIMUM Y	:	-1.988	-1.868	-.880
CENTROID X	:	-.355	-.132	-.201
CENTROID Y	:	-.176	-.296	-.063
POA TO CENTROID in.	:	.397	.324	.211
MIN RADIUS	:	.415	.478	.418
MEAN RADIUS	:	1.195	1.061	.924
MAX RADIUS	:	2.278	1.948	1.538
HORIZONTAL SPREAD	:	3.047	2.420	2.420
VERTICAL SPREAD	:	3.378	3.378	2.157
EXTREME SPREAD	:	4.140	3.378	2.577
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587728

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in - 1

2in - 4

3in - 5

HS = 4.379

VS = 3.360

GS = 4.405

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.095	1.842	1.180
MINIMUM X	-2.284	-1.623	-1.393
MAXIMUM Y	1.673	1.661	1.705
MINIMUM Y	-1.686	-1.699	-1.655
CENTROID X	.142	.395	.165
CENTROID Y	.126	.138	.094
POA TO CENTROID in.	.189	.419	.190
MIN RADIUS	.337	.503	.376
MEAN RADIUS	1.427	1.334	1.237
MAX RADIUS	2.286	2.236	2.043
HORIZONTAL SPREAD	4.379	3.465	2.573
VERTICAL SPREAD	3.360	3.360	3.360
EXTREME SPREAD	4.405	3.948	3.734
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	5		

Remington®  REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

MADE IN ILLION, 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.

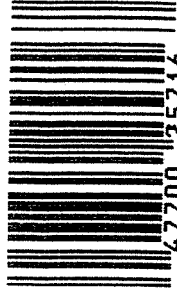
SERIAL NO. C6587728	ORDER NO. 5716
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Ø1



5716 C6587728

UPC



0 47700 25716 7

ET-PIN
OK

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587728

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1019	90	RW
600	Proof	1019	90	RW
607	Check Headspace	1019	90	RW
610	Dis-assemble Gun	1019	90	RW
612	Magnaflux Barrel Action		10/23/90	KR
	Magnaflux Bolt		10/23/90	KR
615	Rollmark Caliber		10/23/90	LS
617	Drill and Tap Sight Holes		10/26/90	FB
618	Polish Barrel RB		10/29/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/19/90	WB

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2	11/21/90	WB		
	G) Safety Off Force	7 1/2	7 1/2	7 1/2	11/21/90	WB		
	H) Trigger Pull Test & Retainability				11/19/90	WB		
	I) Firing Pin Indent	.023	.023	.023	11/21/90	WB		
	J) Assemble Stock				12/8/90	RW		
	K) Assemble Swivel Studs				12-10-90	JS		
	L) Attach Front and Rear Sight Assemblies				12/8/90	RW		
	M) Iron Sight Alignment				12/8/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				12/8/90	RW		
	O) Attach Scope to Rifle				12/8/90	RW		
	P) Detach & Attach Scope 20 Times				12/8/90	RW		
640	Gallery Target & Test				12/8/90	AF		
	A) Time				"	AF		
	B) Malfunctions				"	AF		
	C) Pierced Primers				"	AF		
	D) Optical Clarity of Scope				"	AF		
645	Inspect for Live Ammo				12/8/90	AF		
655	Final Inspection							
	A) Headspace				12-18-90	JS		
	B) Trigger Pull	288	290	281	267	252	12-10-90	JS
	C) Function						12-10-90	JS
660	Pack						12-18-90	D/H

SWS TRIGGER PULL TEST

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

SERIAL NO. C6527728
DATE 11/19/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.35	2.55	2.88	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.46	2.56	2.90	
PULL #3	2.30	2.50	2.60	2.81	
PULL #4	2.29	2.45	2.61	2.67	
PULL #5	2.25	2.45	2.48	2.52	
TOTAL	11.63	12.41	12.80		
AVG.	2.33	2.48	2.56		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.22		
PULL #2	3.30	3.20		
PULL #3	3.22	3.17		
PULL #4	3.23	3.23		
PULL #5	3.28	3.28		
TOTAL	16.32	16.10		
AVG.	3.26	3.22		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.30		4.13
PULL #2	4.33	4.28		4.10
PULL #3	4.33	4.20		4.16
PULL #4	4.35	4.12		4.24
PULL #5	4.40	4.26		4.08
TOTAL	21.70	21.16		20.71
AVG.	4.34	4.23		4.14

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587728
8 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.185151
1 TO	2	.395622
1 TO	3	.125766
1 TO	4	.282025
1 TO	5	.421217

$\frac{6}{5}$

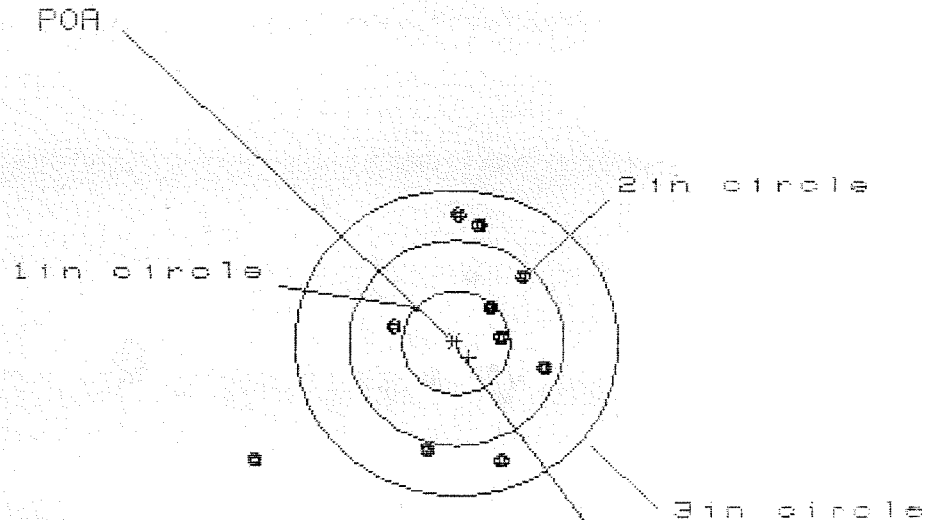
<----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0056
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.037
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0374214
THE AMR FOR THIS RIFLE IS: .9612

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587728

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.736

VS= 2.404

GS= 3.096

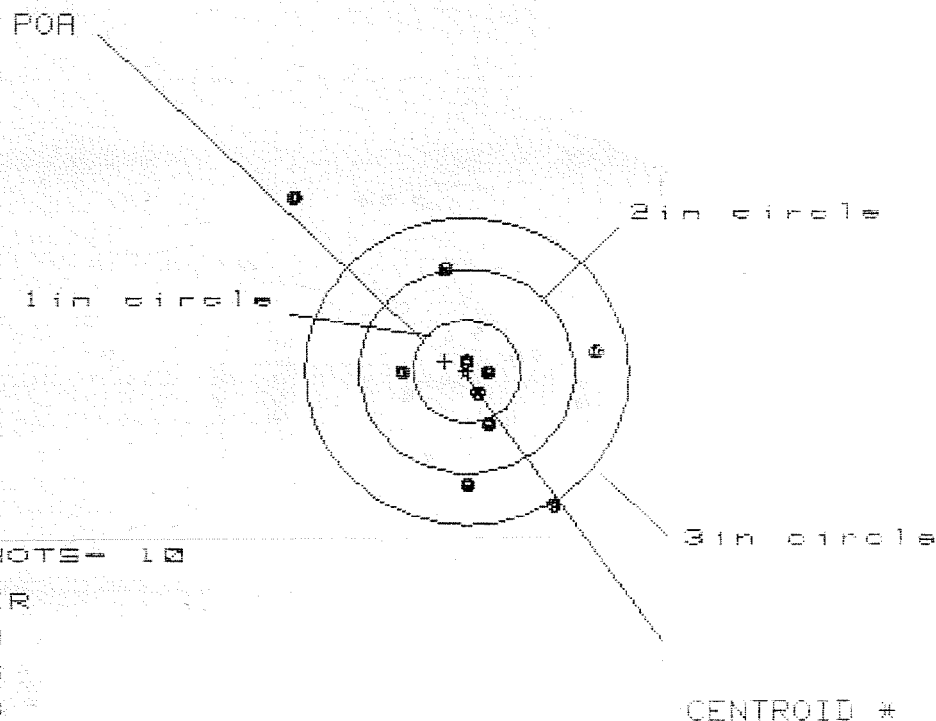
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.833	.621	.593
MINIMUM X	:	-1.903	-.836	-.863
MAXIMUM Y	:	1.248	1.119	1.136
MINIMUM Y	:	-1.156	-1.281	-1.141
CENTROID X	:	-.120	.092	.119
CENTROID Y	:	.141	.270	.130
POA TO CENTROID in.	:	.185	.285	.176
MIN RADIUS	:	.421	.235	.184
MEAN RADIUS	:	1.019	.820	.781
MAX RADIUS	:	2.227	1.292	1.150
HORIZONTAL SPREAD	:	2.736	1.457	1.457
VERTICAL SPREAD	:	2.404	2.400	2.277
EXTREME SPREAD	:	3.096	2.432	2.285
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587728

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 2.817

VS= 2.988

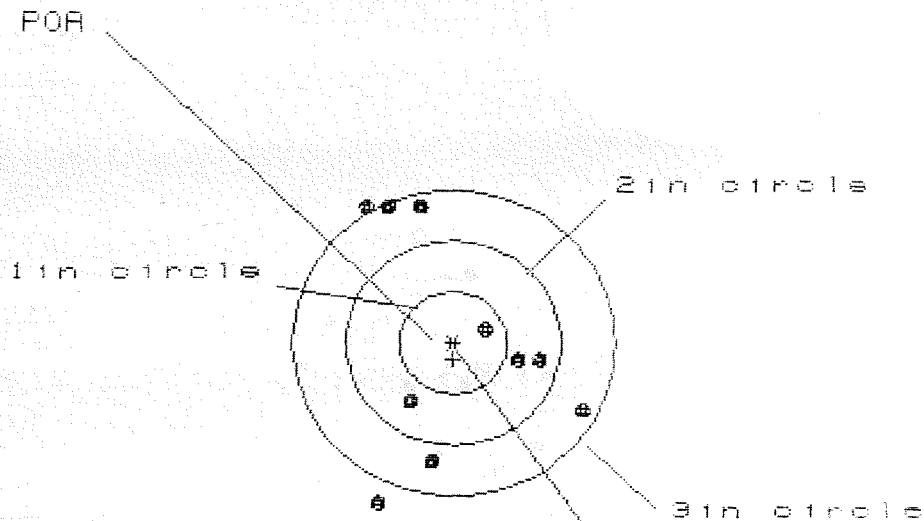
GS= 3.848

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.204	1.025	1.104
MINIMUM X	:	-1.613	-.791	-.712
MAXIMUM Y	:	1.681	1.200	1.060
MINIMUM Y	:	-1.307	-1.120	-1.010
CENTROID X	:	.199	.379	.300
CENTROID Y	:	-.093	-.280	-.140
POA TO CENTROID in.	:	.220	.471	.331
MIN RADIUS	:	.137	.079	.102
MEAN RADIUS	:	.883	.697	.606
MAX RADIUS	:	2.330	1.286	1.123
HORIZONTAL SPREAD	:	2.817	1.816	1.816
VERTICAL SPREAD	:	2.988	2.320	2.070
EXTREME SPREAD	:	3.848	2.536	2.077
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/GS587728

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 1.910

VS = 2.975

GS = 2.998

CENTROID #

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.149	1.068	.963
MINIMUM X	-.761	-.842	-.745
MAXIMUM Y	1.368	1.190	1.332
MINIMUM Y	-1.607	-1.309	-1.160
CENTROID X	.004	.085	.190
CENTROID Y	.162	.340	.191
FOR TO CENTROID in.	.162	.351	.270
MIN RADIUS	.369	.252	.196
MEAN RADIUS	1.109	1.022	.924
MAX RADIUS	1.763	1.458	1.485
HORIZONTAL SPREAD	1.910	1.910	1.707
VERTICAL SPREAD	2.975	2.499	2.492
EXTREME SPREAD	2.998	2.766	2.589
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587728

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 2.0800

VS= 2.913

GS= 3.045

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.969	.846	.802
MINIMUM X	:	-1.111	-1.107	-1.151
MAXIMUM Y	:	1.292	1.112	.969
MINIMUM Y	:	-1.621	-.867	-.728
CENTROID X	:	-.067	.056	.100
CENTROID Y	:	-.136	.044	-.095
POA TO CENTROID in.	:	.152	.071	.138
MIN RADIUS	:	.178	.248	.108
MEAN RADIUS	:	.907	.778	.698
MAX RADIUS	:	1.965	1.182	1.276
HORIZONTAL SPREAD	:	2.080	1.953	1.953
VERTICAL SPREAD	:	2.913	1.979	1.697
EXTREME SPREAD	:	3.045	2.245	2.227
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587728

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS = 1.963

VS = 3.182

GS = 3.377

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.088	1.117	1.011
MINIMUM X	:	-.875	-.846	-.928
MAXIMUM Y	:	1.294	1.085	.599
MINIMUM Y	:	-1.887	-.852	-.717
CENTROID X	:	.012	-.017	.089
CENTROID Y	:	-.259	-.050	-.185
POA TO CENTROID in.	:	.260	.052	.206
MIN RADIUS	:	.195	.259	.279
MEAN RADIUS	:	.988	.780	.694
MAX RADIUS	:	1.905	1.376	1.175
HORIZONTAL SPREAD	:	1.963	1.963	1.939
VERTICAL SPREAD	:	3.182	1.937	1.316
EXTREME SPREAD	:	3.377	2.273	1.949
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	