

C6523507

MODEL 700TM M24

Model **SMS** TM

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: **RE00102695** Serial: C6523507 Model M24 SWS Center Fire Caliber 7.62 NATO Produced 09/19/1930 Repairman: Status: Closed 10/26/2005 7:46:19 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **PR W7LZ CAMP SHELBY DET 57** **PR W7LZ CAMP SHELBY DET 57**

Address 1: **OEF TRAINING BDE ROTATION** **OEF TRAINING BDE ROTATION**

Address 2: **BLDG 6520 WAREHOUSE AVE** **BLDG 6520 WAREHOUSE AVE** PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **601 553 4593**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
C000	SPOTTING SCOPE	1
C0001	TORQUE WRENCH	1

Repair Search Refresh Close

neglect 10/26/2005 9:35 AM CAPS NUM INS SCPL

start 2 2 3 Arms 5

Serial Number: **C6523507**

Model: **M24 SWS**



RE00102695

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523507.___0
FILE DATE AND TIME: 11/28/2005 23:02

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.035
The Average Y Centroid of the Five Target Set:	-0.034
The Average Point of Impact of the Five Target Set:	0.048
The Average Mean Radius of the Five Target Set:	0.756
The Distance from POA to Centroid Target #1:	0.224
The Distance from Centroid Target #2 to Centroid Target #1:	0.519
The Distance from Centroid Target #3 to Centroid Target #1:	0.327
The Distance from Centroid Target #4 to Centroid Target #1:	0.117
The Distance from Centroid Target #5 to Centroid Target #1:	0.702

SERIAL NUMBER: C6523507. __0

TARGET NUMBER: 1

FILE DATE: 11/28/2005

FILE TIME: 23:02

X CENTROID: -0.142

Y CENTROID: 0.173

POA TO CENTROID: 0.224

HORZ SPREAD: 2.036

VERT SPREAD: 2.085

GROUP SPREAD: 2.368

MIN RADIUS: 0.217

MAX RADIUS: 1.412

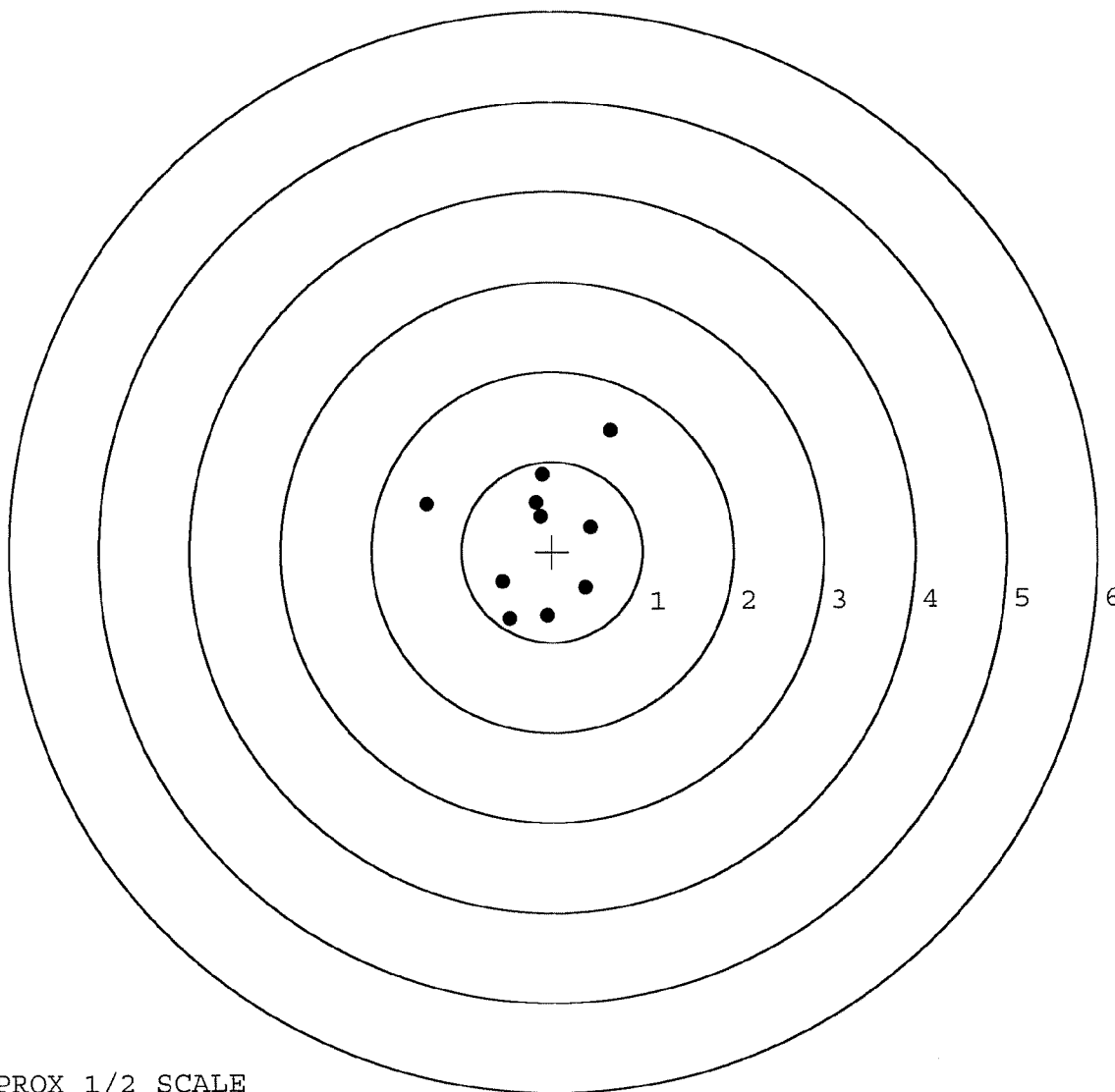
MEAN RADIUS: 0.784

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.129	0.390
2:	-0.176	0.543
3:	-0.110	0.855
4:	0.433	0.267
5:	0.370	-0.405
6:	-0.056	-0.711
7:	-0.470	-0.744
8:	-0.548	-0.336
9:	-1.384	0.531
10:	0.652	1.341



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523507. 0

TARGET NUMBER: 2

FILE DATE: 11/28/2005

FILE TIME: 23:02

X CENTROID: 0.126

Y CENTROID: -0.272

POA TO CENTROID: 0.300

HORZ SPREAD: 1.863

VERT SPREAD: 2.491

GROUP SPREAD: 2.535

MIN RADIUS: 0.087

MAX RADIUS: 1.495

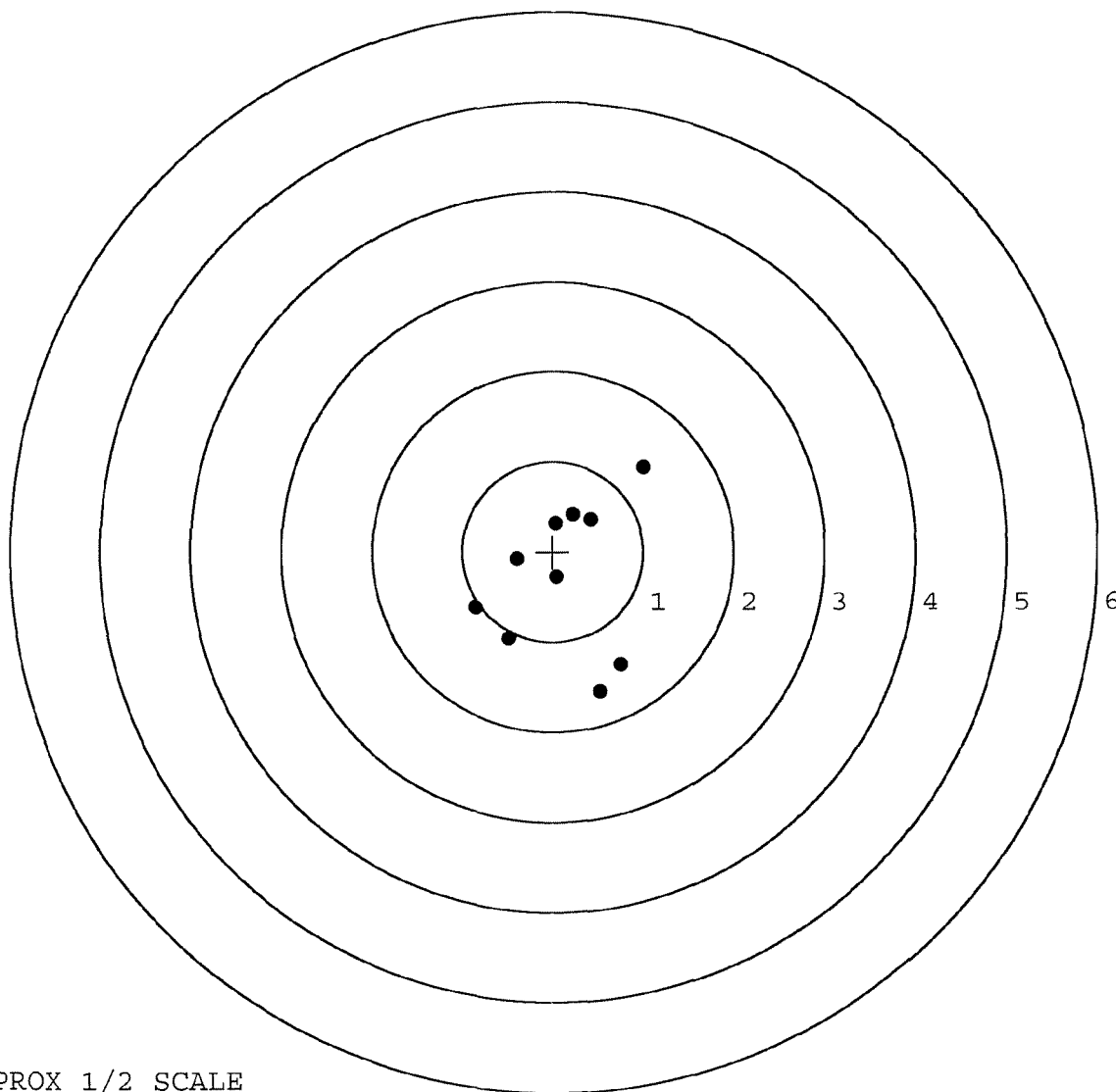
MEAN RADIUS: 0.861

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.027	0.319
2:	0.223	0.418
3:	0.423	0.364
4:	0.040	-0.284
5:	-0.397	-0.084
6:	-0.860	-0.622
7:	-0.483	-0.964
8:	0.531	-1.552
9:	0.757	-1.251
10:	1.003	0.939



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523507. 0

TARGET NUMBER: 3

FILE DATE: 11/28/2005

FILE TIME: 23:02

X CENTROID: -0.158

Y CENTROID: -0.154

POA TO CENTROID: 0.220

HORZ SPREAD: 1.185

VERT SPREAD: 2.395

GROUP SPREAD: 2.425

MIN RADIUS: 0.065

MAX RADIUS: 1.336

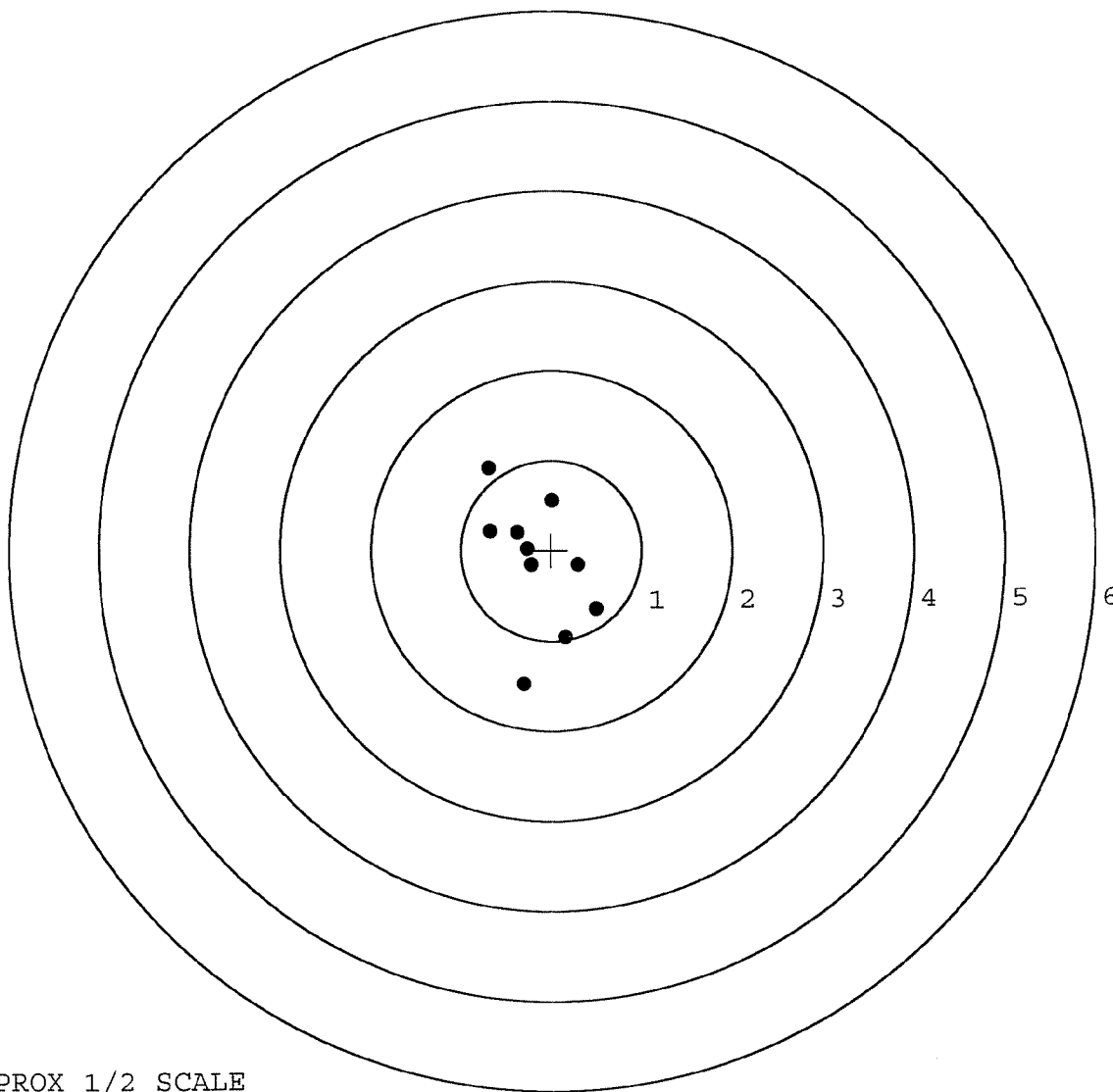
MEAN RADIUS: 0.670

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.298	-0.162
2:	-0.223	-0.162
3:	-0.270	0.014
4:	-0.375	0.196
5:	-0.679	0.209
6:	-0.689	0.914
7:	0.011	0.547
8:	0.496	-0.649
9:	0.156	-0.961
10:	-0.307	-1.481



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523507. 0

TARGET NUMBER: 4

FILE DATE: 11/28/2005

FILE TIME: 23:02

X CENTROID: -0.105

Y CENTROID: 0.284

POA TO CENTROID: 0.303

HORZ SPREAD: 2.318

VERT SPREAD: 1.616

GROUP SPREAD: 2.406

MIN RADIUS: 0.487

MAX RADIUS: 1.368

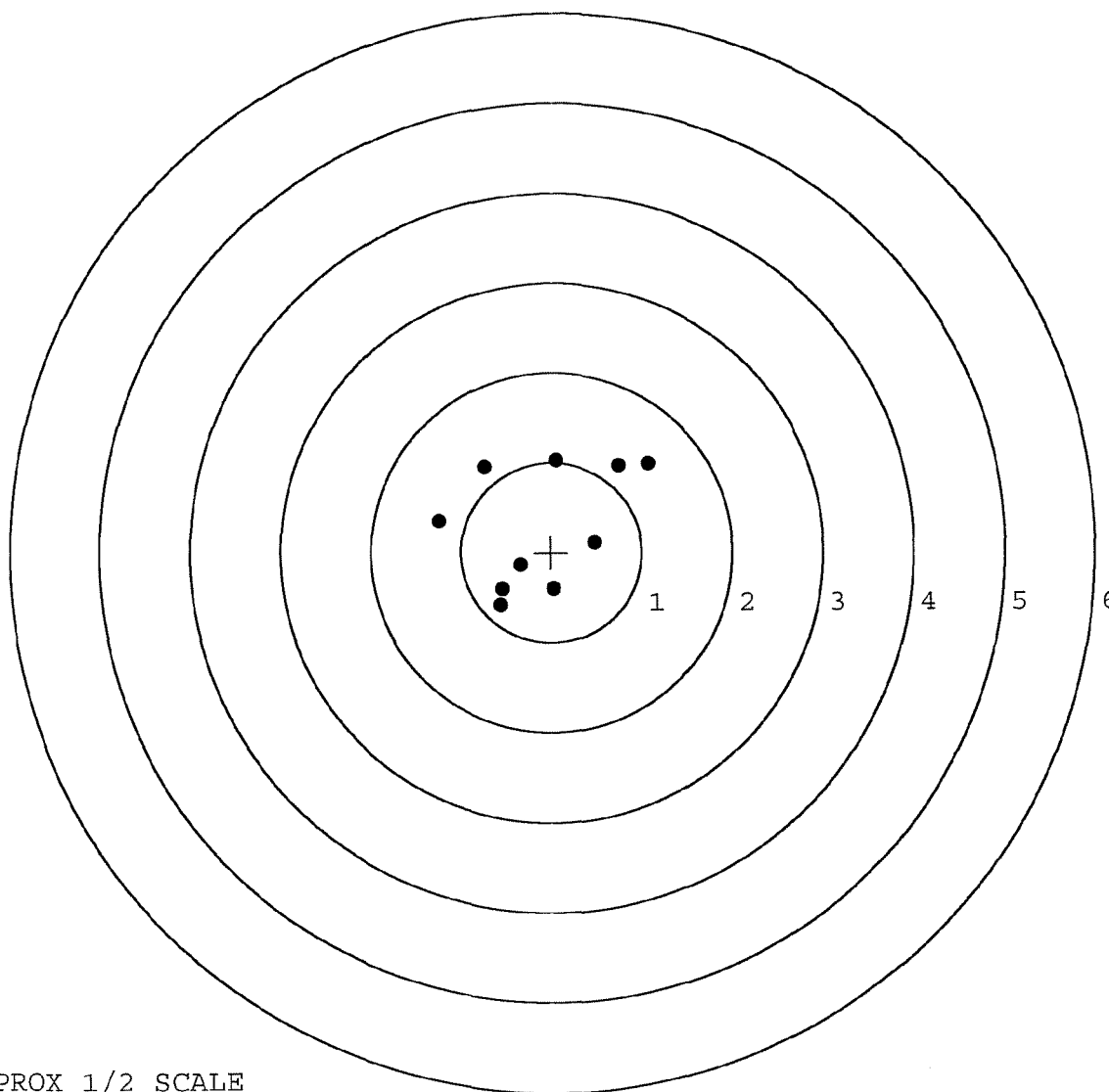
MEAN RADIUS: 0.890

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.342	-0.141
2:	-0.541	-0.411
3:	-0.563	-0.590
4:	0.031	-0.409
5:	0.483	0.114
6:	1.068	0.987
7:	0.743	0.970
8:	0.058	1.026
9:	-0.740	0.953
10:	-1.250	0.342

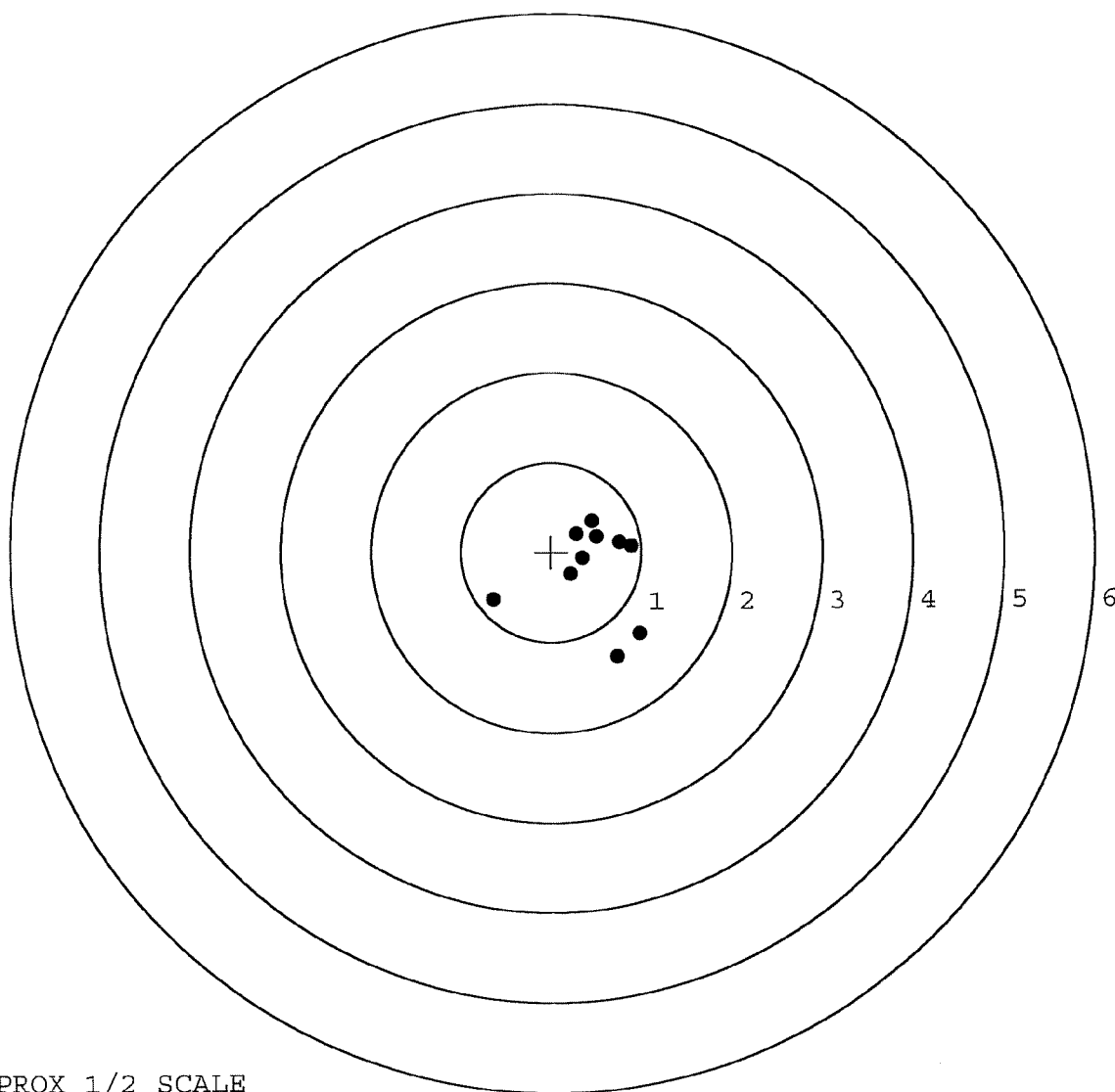


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523507. __0
 TARGET NUMBER: 5
 FILE DATE: 11/28/2005
 FILE TIME: 23:02

POINT#	X	Y
1:	0.217	-0.249
2:	0.350	-0.073
3:	0.286	0.201
4:	0.459	0.348
5:	0.504	0.176
6:	0.755	0.116
7:	0.890	0.068
8:	0.978	-0.910
9:	0.727	-1.161
10:	-0.641	-0.527

X CENTROID: 0.452
 Y CENTROID: -0.201
 POA TO CENTROID: 0.495
 HORZ SPREAD: 1.619
 VERT SPREAD: 1.509
 GROUP SPREAD: 1.664
 MIN RADIUS: 0.164
 MAX RADIUS: 1.141
 MEAN RADIUS: 0.574
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	102695	Camp Shelby		
SERIAL NUMBER	C6523507			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME	DATE	INITIAL	
500	DIS-ASSEMBLE GUN	11-4-05	Ac	
505	RE-BARREL	11-8-05	Ac	
560	ASSEMBLE	11-15-05	CD	
600	PROOF	MAGNA-FLUX INSPECTED NOV 18 2005	CD	
605	CHECK HEADSPACE	11-15-05	CD	
610	DIS-ASSEMBLE GUN	11-15-05	CD	
612	MAGNAFLUX	OPERATOR <u>enab</u> 11/18/05	und	
510	DRILL AND TAP	11-17-05	BR	
615	ROLLMARK CALIBER	11-18-05	CW	
618	ROTO-BLAST	11-21-05	LB	
620	APPLY COATINGS	11/22/05	FB	
625	FINAL ASSEMBLY	11-23-05	BG	
640	FUNCTION TEST AND	PASS FAIL	11/28/05 mgg	
650	TARGET	PASS FAIL	11/28/05 mgg	
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	NA	
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-29-05 Ac	
	A) HEADSPACE	PASS FAIL	11-29-05 Ac	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	X	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs Ac	
	G) SAFETY OFF FORCE	2 LBS MIN	4 lbs 4 lbs 4 lbs Ac	
	I) FIRING PIN INDENT	.020	.022 .022 .022 Ac	
690	PACK		12-2-05 OH	

op. #	OP. NAME	READINGS					DATE	INIT
625 nt.	F) Safety On Force	4	4	4			9/13/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/13/90	WB
	H) Trigger Pull Test & Retainability						9/13/90	WB
	I) Firing Pin Indent	.022	.022	.022			9/13/90	WB
	J) Assemble Stock						9/13/90	RW
	K) Assemble Swivel Studs						9/15/90	OD
	L) Attach Front and Rear Sight Assemblies						9/13/90	RW
	M) Iron Sight Alignment						9/13/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/13/90	RW
	O) Attach Scope to Rifle						9/13/90	RW
	P) Detach & Attach Scope 20 Times						9/13/90	RW
640	Gallery Target & Test						9-14-90	AC
	A) Time						9-14-90	AC
	B) Malfunctions						9-14-90	AC
	C) Pierced Primers						9-14-90	AC
	D) Optical Clarity of Scope						9-14-90	AC
645	Inspect for Live Ammo						9-14-90	AC
655	Final Inspection						9/15/90	OD
	A) Headspace						9-15-90	OD
	B) Trigger Pull	2.25	2.53	2.47	2.45	2.48	9/15/90	OD
	C) Function						9/15/90	OD
660	Pack						9/19/90	AF

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # R 6523507

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/22/90	KCR
	Magnaflux Bolt		8/22/90	KCR
615	Rollmark Caliber		8/22/90	GS
617	Drill and Tap Sight Holes		8/23/90	FB
618	Polish Barrel RB		8/23/90	WB
620	Apply Coatings (Barrel Action)		8-23-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/3/90	WB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523507

DATE 9/13/90

TESTER W3

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.47	2.47	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.37	2.50	2.53	
PULL #3	2.57	2.46	2.33	2.47	
PULL #4	2.52	2.41	2.47	2.45	
PULL #5	2.57	2.45	2.43	2.48	
TOTAL	12.53	12.16	12.10	12.18	
AVG.	2.51	2.43	2.42	2.436	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.19		
PULL #2	3.15	3.13		
PULL #3	3.06	3.16		
PULL #4	3.13	3.15		
PULL #5	3.12	3.12		
TOTAL	15.53	15.74		
AVG.	3.11	3.15		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.11		4.01
PULL #2	4.11	4.04		4.09
PULL #3	4.08	4.08		4.22
PULL #4	4.12	4.07		4.14
PULL #5	4.16	4.10		4.07
TOTAL	20.64	20.40		20.53
AVG.	4.13	4.08		4.11

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523507
14 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.446078
1 TO	2	.445889
1 TO	3	.102157
1 TO	4	.385064
1 TO	5	.79078

8 3 <----FOR
4
5

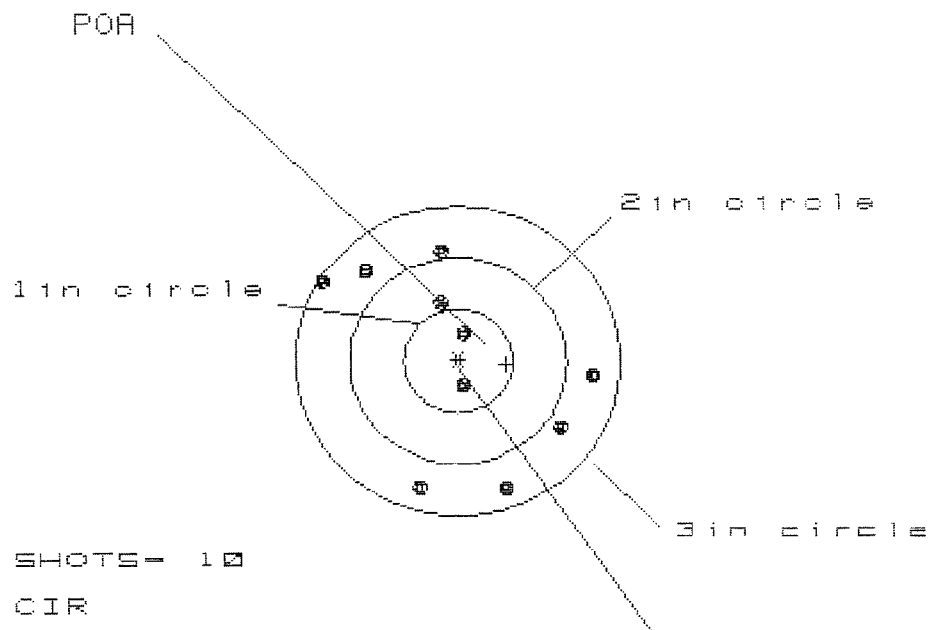
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.221
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1734
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .280907

THE AMR FOR THIS RIFLE IS: 1.005

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523587

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 10

HS= 2.523

VS= 2.317

GS= 2.676

CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.269	1.130	1.065
MINIMUM X	:	-1.254	-.947	-1.012
MAXIMUM Y	:	1.051	1.132	.984
MINIMUM Y	:	-1.266	-1.185	-1.259
CENTROID X	:	-.445	-.306	-.241
CENTROID Y	:	.031	-.050	.098
POA TO CENTROID in.	:	.446	.310	.260
MIN RADIUS	:	.233	.139	.290
MEAN RADIUS	:	.979	.920	.864
MAX RADIUS	:	1.450	1.328	1.285
HORIZONTAL SPREAD	:	2.523	2.077	2.077
VERTICAL SPREAD	:	2.317	2.317	2.243
EXTREME SPREAD	:	2.676	2.403	2.403
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523587

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

CENTROID *

HS- 1.429

VS- 2.554

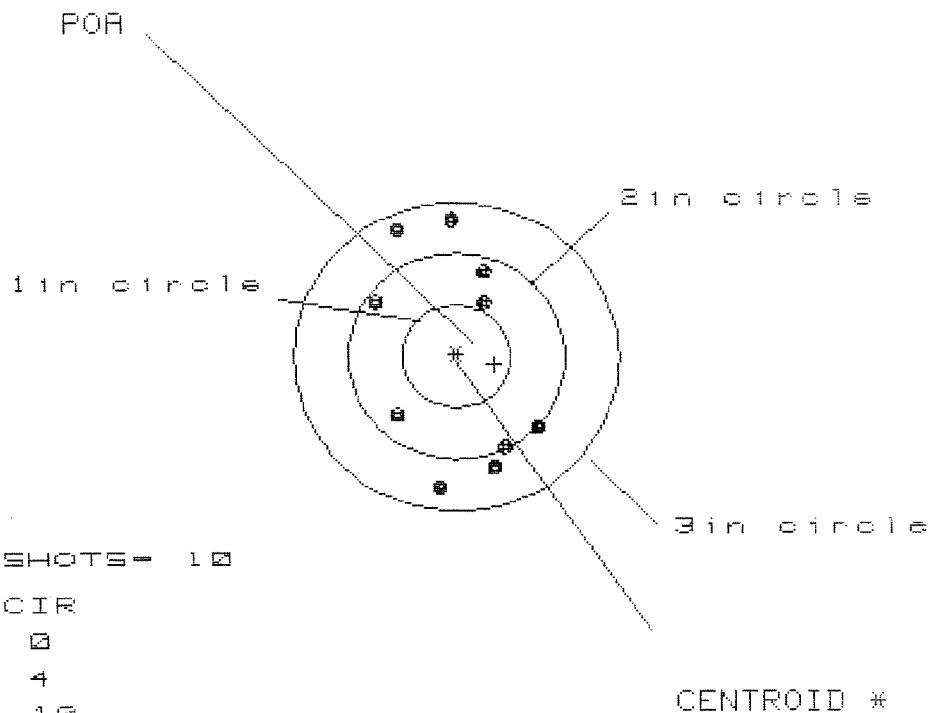
GS- 2.656

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.789	.859	.922
MINIMUM X	:	-.640	-.570	-.507
MAXIMUM Y	:	1.454	.870	.752
MINIMUM Y	:	-1.100	-.938	-.917
CENTROID X	:	-.001	-.071	-.134
CENTROID Y	:	-.010	-.172	-.054
POA TO CENTROID in.	:	.010	.186	.144
MIN RADIUS	:	.332	.471	.471
MEAN RADIUS	:	.882	.802	.751
MAX RADIUS	:	1.583	1.065	1.018
HORIZONTAL SPREAD	:	1.429	1.429	1.429
VERTICAL SPREAD	:	2.554	1.808	1.670
EXTREME SPREAD	:	2.656	2.062	1.910
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523507

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 10

HS= 1.517

VS= 2.567

GS= 2.567

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.779
MINIMUM X	-.738
MAXIMUM Y	1.311
MINIMUM Y	-1.256
CENTROID X	-.351
CENTROID Y	.071
POA TO CENTROID in.	.358
MIN RADIUS	.595
MEAN RADIUS	1.033
MAX RADIUS	1.374
HORIZONTAL SPREAD	1.517
VERTICAL SPREAD	2.567
EXTREME SPREAD	2.567
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	10

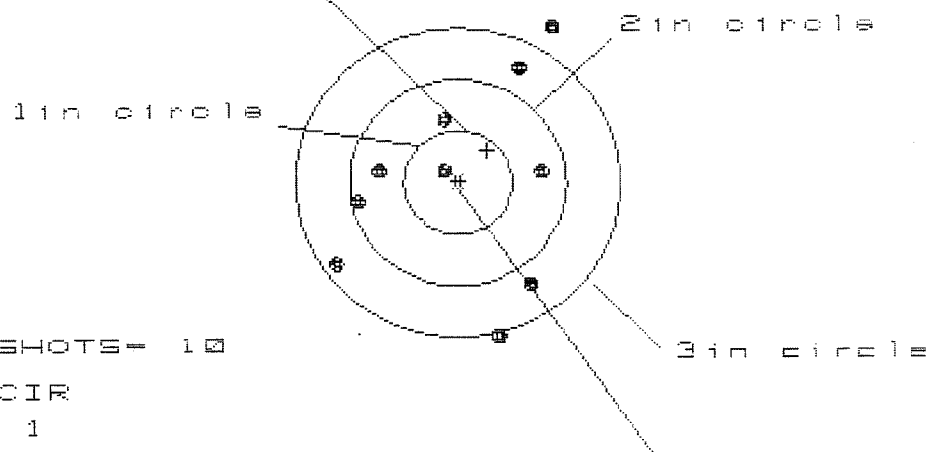
14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523587

CENTERFIRE PATTERNS

4

POA



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.005

VS= 3.004

GS= 3.053

CENTROID #

PATTERN #	:	4
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.829
MINIMUM X	:	-1.176
MAXIMUM Y	:	1.502
MINIMUM Y	:	-1.502
CENTROID X	:	-.270
CENTROID Y	:	-.312
POA TO CENTROID in.	:	.413
MIN RADIUS	:	.168
MEAN RADIUS	:	1.040
MAX RADIUS	:	1.716
HORIZONTAL SPREAD	:	2.005
VERTICAL SPREAD	:	3.004
EXTREME SPREAD	:	3.053
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	5
NUMBER IN THREE INCH CIRCLE =	:	8

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523587

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 4

3 in = 7

HS = 1.807

VS = 3.314

GS = 3.489

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.926	.829	.843
MINIMUM X	:	-.881	-.832	-.818
MAXIMUM Y	:	1.775	1.449	1.281
MINIMUM Y	:	-1.539	-1.341	-1.240
CENTROID X	:	-.038	.059	.045
CENTROID Y	:	-.647	-.845	-.677
POA TO CENTROID in.	:	.649	.847	.679
MIN RADIUS	:	.342	.223	.344
MEAN RADIUS	:	1.091	.963	.922
MAX RADIUS	:	1.982	1.671	1.520
HORIZONTAL SPREAD	:	1.807	1.661	1.661
VERTICAL SPREAD	:	3.314	2.790	2.521
EXTREME SPREAD	:	3.489	2.946	2.695
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

Remington
MODEL 700™ M24

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

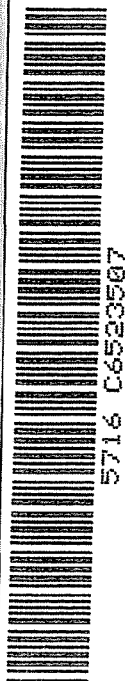
DUPONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO. C6523507

ORDER NO. 5716

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

Ø 1



UPC

