

G 646 1547
Raphaels
E 641 3468

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: **RE00126865**

Serial: G6461547 Model M24 SWS Center Fire

Repairman:

Verify Repair

Status: Closed 3/19/2007 11:44:22 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: **TRANSPORTATION DIVISION DFEL**

TRANSPORTATION DIVISION DFEL

Address 1: **6759 MITCHELL AVENUE**

6759 MITCHELL AVENUE

Address 2: **BLDG 1836**

PO Box:

BLDG 1836

PO Box:

City: **FORT BENNING**

FORT BENNING

State: **GA**

Zip Code: **31905**

Country: **US**

State: **GA**

Zip Code: **31905**

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
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	2

Repair Search

Refresh

Close

naglelj

3/19/2007

1:46 PM

CAPS

NUM

INS

SCRL

start

4 Micros...

Part Searc...

RAC0179...

5 Interne...

Arms Servi...

1:46 PM

Serial Number: **G6461547**

Model: **M24 SWS**



RE00126865

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 **M2499452836**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461547.___0
FILE DATE AND TIME: 04/13/2007 23:16

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.097
The Average Y Centroid of the Five Target Set:	0.111
The Average Point of Impact of the Five Target Set:	0.147
The Average Mean Radius of the Five Target Set:	1.043
The Distance from POA to Centroid Target #1:	0.194
The Distance from Centroid Target #2 to Centroid Target #1:	0.286
The Distance from Centroid Target #3 to Centroid Target #1:	0.109
The Distance from Centroid Target #4 to Centroid Target #1:	0.534
The Distance from Centroid Target #5 to Centroid Target #1:	0.191

BARBER - M24 0152799

SERIAL NUMBER: G6461547. 0

TARGET NUMBER: 1

FILE DATE: 04/13/2007

FILE TIME: 23:16

POINT#	X	Y
1:	0.335	0.515
2:	0.216	-0.080
3:	0.512	-0.455
4:	-0.050	-0.431
5:	0.099	-0.963
6:	-0.555	-1.458
7:	-0.943	0.065
8:	-0.178	1.520
9:	0.167	1.724
10:	0.613	1.494

X CENTROID: 0.022

Y CENTROID: 0.193

POA TO CENTROID: 0.194

HORZ SPREAD: 1.556

VERT SPREAD: 3.182

GROUP SPREAD: 3.263

MIN RADIUS: 0.335

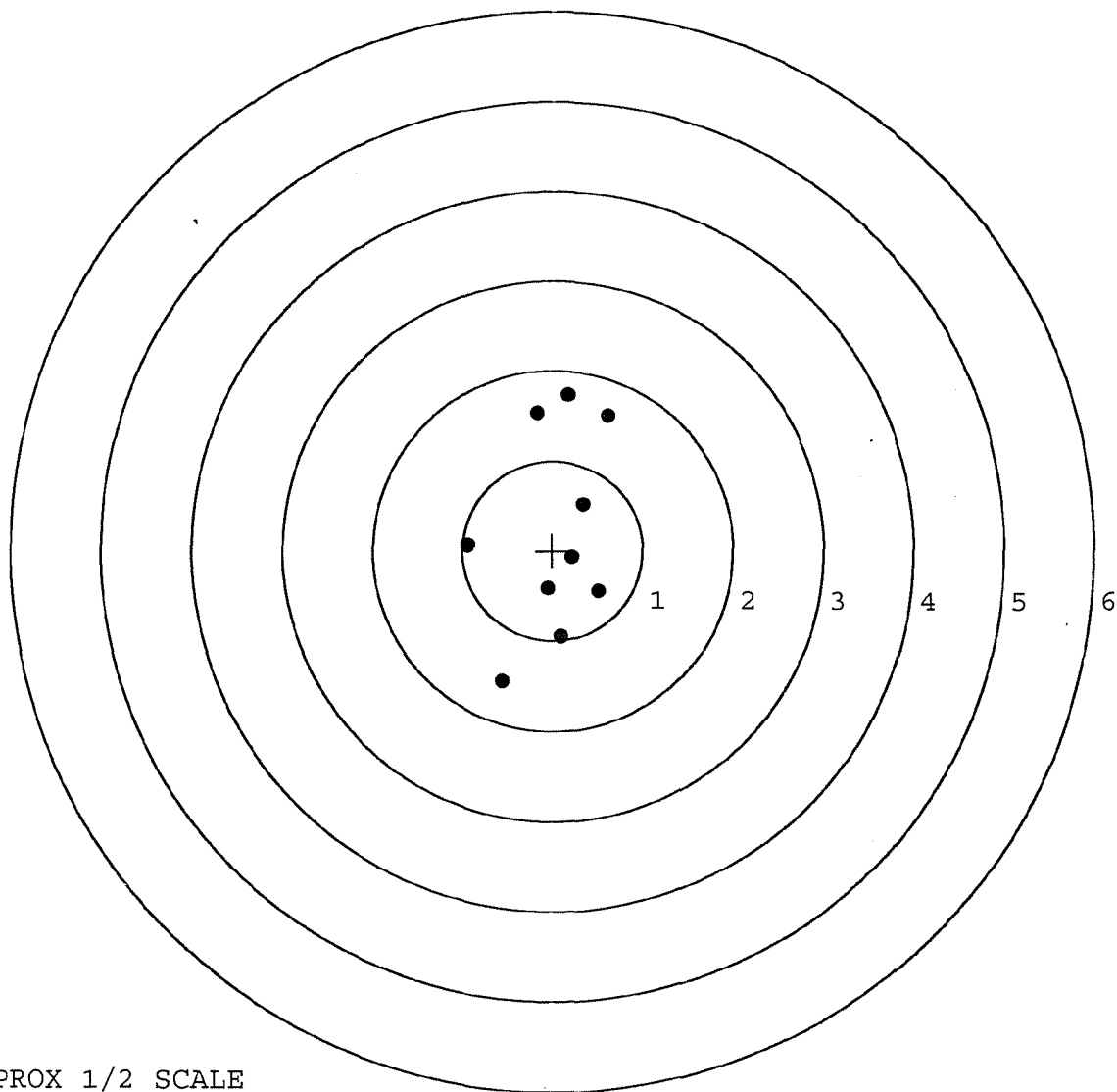
MAX RADIUS: 1.749

MEAN RADIUS: 1.041

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

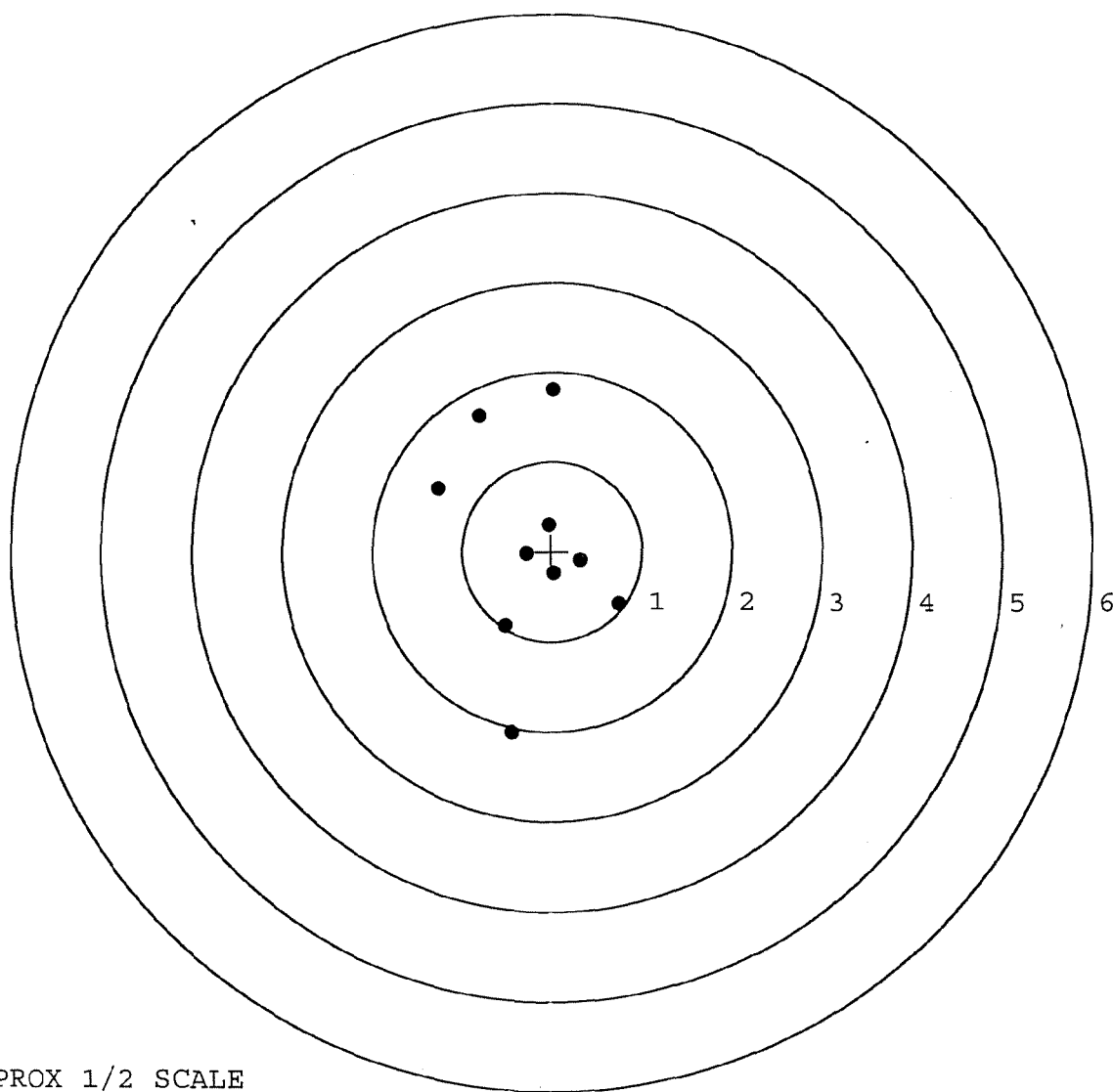
in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

BARBER - M24 0152800

SERIAL NUMBER: G6461547. 0	POINT#	X	Y
TARGET NUMBER: 2	1:	-0.284	-0.031
FILE DATE: 04/13/2007	2:	-0.040	0.293
FILE TIME: 23:16	3:	0.319	-0.102
	4:	0.025	-0.241
X CENTROID: -0.225	5:	0.740	-0.586
Y CENTROID: 0.049	6:	-0.516	-0.830
POA TO CENTROID: 0.230	7:	-0.442	-2.015
HORZ SPREAD: 2.002	8:	-1.262	0.700
VERT SPREAD: 3.816	9:	-0.810	1.503
GROUP SPREAD: 3.844	10:	0.019	1.801
MIN RADIUS: 0.100			
MAX RADIUS: 2.076			
MEAN RADIUS: 1.007			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 5			
# in 3 IN DIAMETER: 7			



TARGET APPROX 1/2 SCALE

BARBER - M24 0152801

SERIAL NUMBER: G6461547. 0

TARGET NUMBER: 3

FILE DATE: 04/13/2007

FILE TIME: 23:16

POINT#	X	Y
1:	-0.653	0.607
2:	-0.750	0.040
3:	-0.392	-0.062
4:	-0.124	-0.601
5:	0.446	-0.541
6:	0.655	-0.198
7:	1.050	0.214
8:	0.351	0.255
9:	0.321	1.292
10:	-0.255	1.920

X CENTROID: 0.065

Y CENTROID: 0.293

POA TO CENTROID: 0.300

HORZ SPREAD: 1.800

VERT SPREAD: 2.521

GROUP SPREAD: 2.559

MIN RADIUS: 0.289

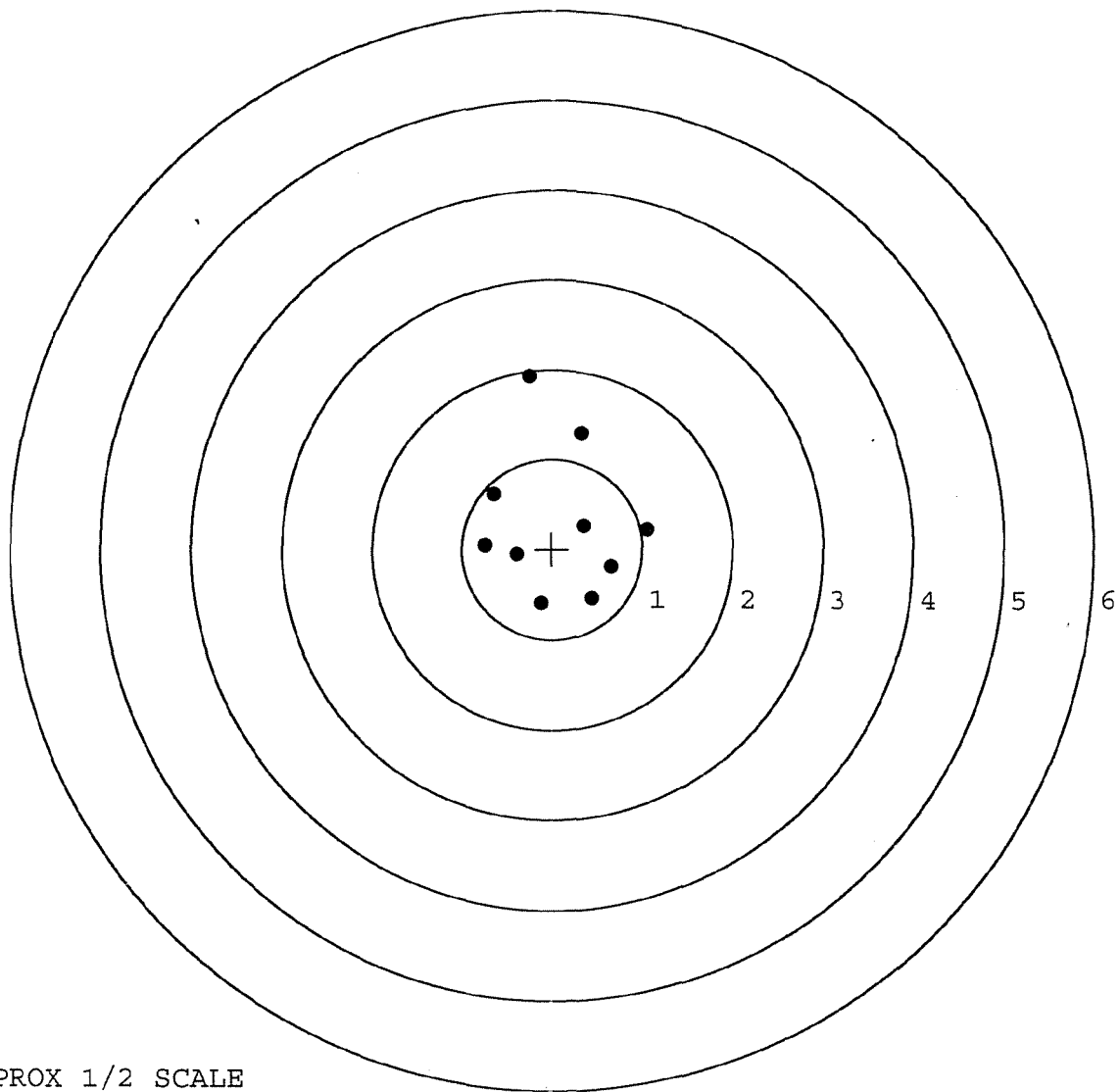
MAX RADIUS: 1.659

MEAN RADIUS: 0.878

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0152802

SERIAL NUMBER: G6461547. 0

TARGET NUMBER: 4

FILE DATE: 04/13/2007

FILE TIME: 23:16

POINT#	X	Y
1:	-0.764	0.495
2:	-0.269	0.676
3:	-0.272	-0.602
4:	0.500	0.058
5:	0.938	-0.209
6:	1.868	0.299
7:	2.371	0.421
8:	-2.091	0.525
9:	0.878	-1.375
10:	0.942	-2.025

X CENTROID: 0.410

Y CENTROID: -0.174

POA TO CENTROID: 0.445

HORZ SPREAD: 4.462

VERT SPREAD: 2.701

GROUP SPREAD: 4.463

MIN RADIUS: 0.249

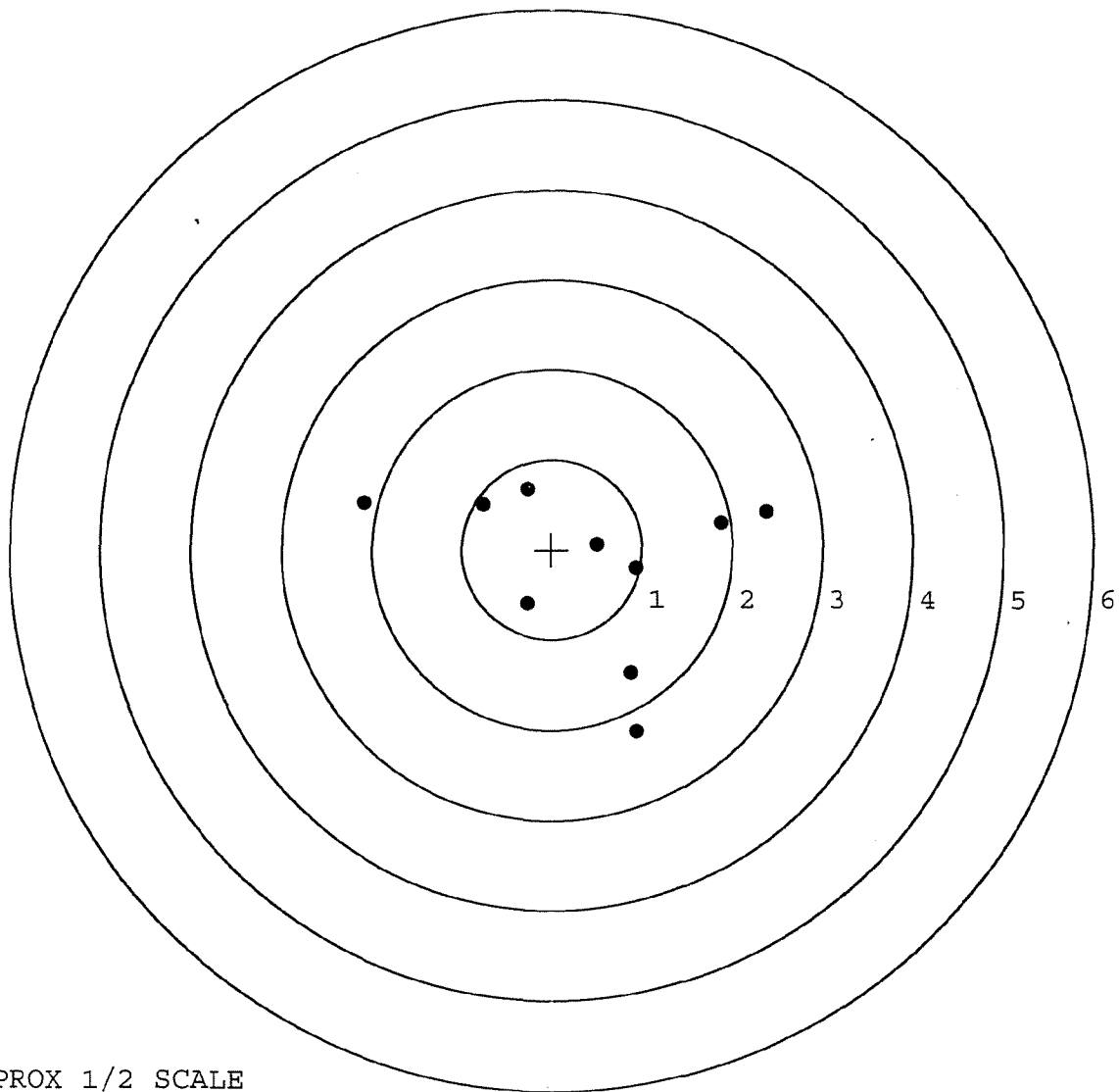
MAX RADIUS: 2.597

MEAN RADIUS: 1.342

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 6



TARGET APPROX 1/2 SCALE

BARBER - M24 0152803

SERIAL NUMBER: G6461547. 0

TARGET NUMBER: 5

FILE DATE: 04/13/2007

FILE TIME: 23:16

POINT#	X	Y
1:	-0.953	0.897
2:	-1.063	0.215
3:	-0.514	-0.022
4:	0.316	0.195
5:	0.589	0.235
6:	0.915	0.366
7:	1.138	-0.580
8:	0.604	-0.540
9:	0.360	-0.782
10:	0.730	1.971

X CENTROID: 0.212

Y CENTROID: 0.195

POA TO CENTROID: 0.289

HORZ SPREAD: 2.201

VERT SPREAD: 2.753

GROUP SPREAD: 2.778

MIN RADIUS: 0.104

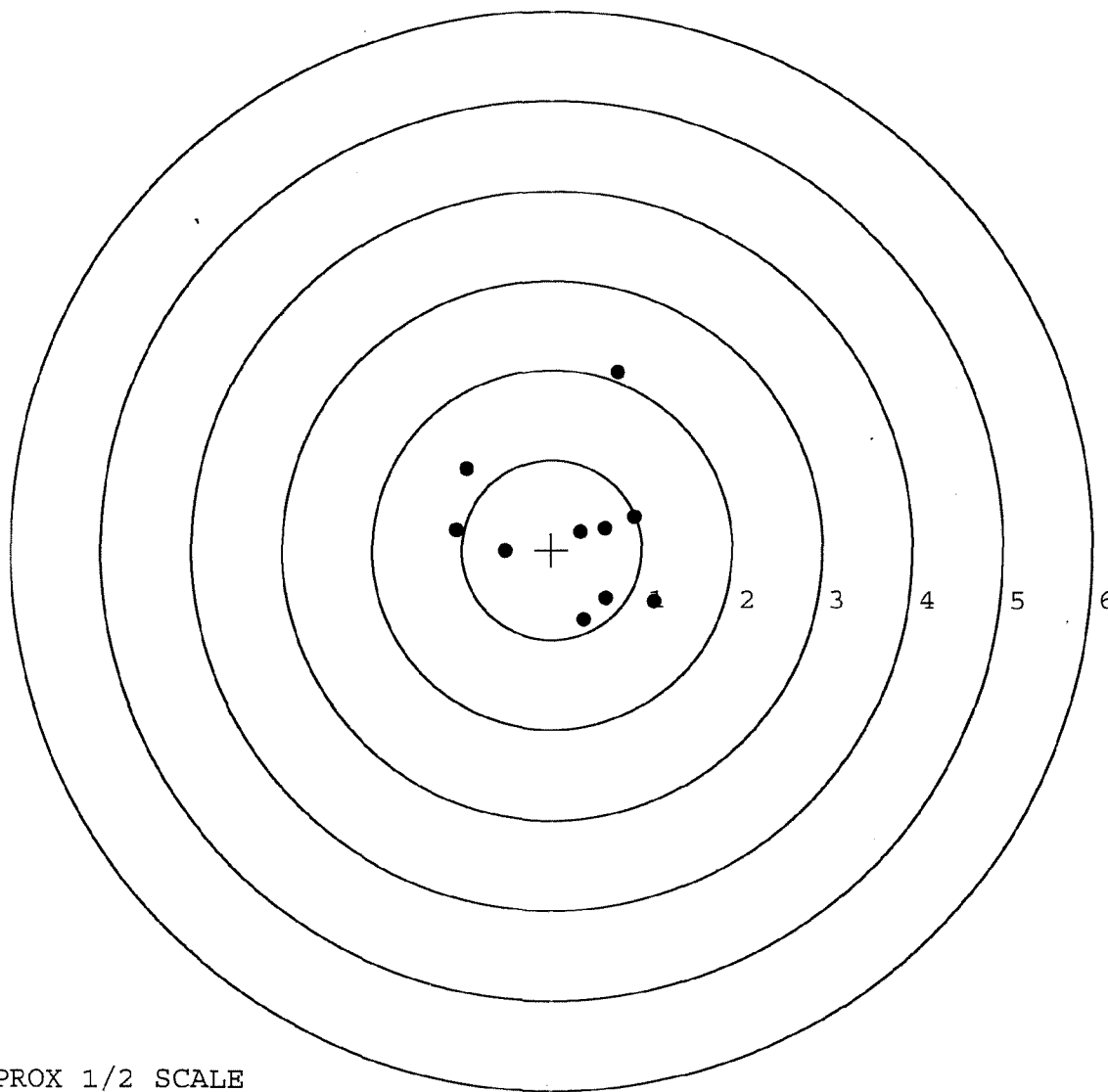
MAX RADIUS: 1.849

MEAN RADIUS: 0.948

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		126865	
SERIAL NUMBER		G6461547	
LOG-IN DATE		3-19-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-2-07	RTZ
505	RE-BARREL	4-3-07	RTZ
560	ASSEMBLE	4-3-07	TRW
600	PROOF	4-3-07	TRW
605	CHECK HEADSPACE	INSPECTED	4-3-07 TRW
610	DIS-ASSEMBLE GUN	APR 05 2007	4-4-07 RTZ
612	MAGNAFLUX	OPERATOR <i>[Signature]</i>	4-3-07 APD
510	DRILL AND TAP		4-4-07 TRW
615	ROLLMARK CALIBER		4-5-07 CW
618	ROTO-BLAST		4-5-07 LB
620	APPLY COATINGS		4/4/07 RB
625	FINAL ASSEMBLY		4-23-07 RTZ
640	FUNCTION TEST AND	<u>PASS</u> FAIL	4/13/07 non
650	TARGET	<u>PASS</u> FAIL	4/13/07 non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		4/18/07 non
	A) HEADSPACE	<u>PASS</u> FAIL	4/18/07 non
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	239 224 214 2.16 228 4/17/07 non
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	8.75 8.75 8.0 4/18/07 non
	G) SAFETY OFF FORCE	2 LBS MIN	4.0 4.5 4.0 4/18/07 non
	I) FIRING PIN INDENT	.020	.022 .021 .021 4/18/07 non
690	PACK		4/20/07 DA

Address Information

Customer: ☐ Received From ☒ Return To: ☐ Received From ☒

Name: TRANSPORTATION DIVISION DFEL

Address 1: 6759 MITCHELL AVENUE

Address 2: BLDG 1836 PO Box:

City: FORT BENNING

State: GA Zip Code: 31905 Country: US

State: GA Zip Code: 31905 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
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

nacltj 2/22/2006 11:52 AM LAPS NUM INS SERL

Ustart 4 M. Part... Arm... 2 I... 4 M. 2 W. Sto... 11:52 AM

G 646 1547 (New)

E6413468

Model: M24 SWS



RE00108942

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)
 3.00 LBS (plus or minus 0.75 LBS)
 4.00 LBS (plus or minus 1.00 LBS)

DATE 2-24-06TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.57	2.32		2.53	
PULL #2	2.57	2.33		2.52	
PULL #3	2.67	2.57		2.51	
PULL #4	2.42	2.48		2.47	
PULL #5	2.54	2.40		2.52	
TOTAL	12.77	12.10		12.55	
AVERAGE	2.55	2.42		2.51	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	3.02		
PULL #2	3.05	3.04		
PULL #3	2.93	3.06		
PULL #4	3.18	3.05		
PULL #5	3.10	3.05		
TOTAL	15.34	15.22		
AVERAGE	3.06	3.04		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.23	4.18		4.18
PULL #2	4.19	4.11		4.08
PULL #3	4.11	4.04		4.04
PULL #4	3.87	4.13		3.96
PULL #5	4.22	4.10		4.07
TOTAL	20.62	20.56		20.33
AVERAGE	4.12	4.11		4.06

R & E NUMBER	108942					
SERIAL NUMBER	E6413468		G 6461547 (New)			
LOG-IN DATE	2-22-06					
OPERATION #	OPERATION NAME		DATE	INITIAL		
500	DIS-ASSEMBLE GUN		2-24-06	RTZ		
505	RE-BARREL		2-22-06	RTZ		
560	ASSEMBLE		3-3-06	RTZ		
500	PROOF		3-3-06	RTZ		
505	CHECK HEADSPACE		3-6-06	RTZ		
510	DIS-ASSEMBLE GUN		3-6-06	RTZ		
512	MAGNAFLUX		3-6-06	mm		
510	DRILL AND TAP		3-6-06	TRW		
515	ROLLMARK CALIBER		3-6-06	CW		
515	ROTO-BLAST		3-7-06	LB		
530	APPLY COATINGS		3/13	mm		
535	FINAL ASSEMBLY		3-14-06	RTZ		
540	FUNCTION TEST AND	PASS	3-14-06	mm		
550	TARGET	PASS	3-14-06	mm		
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION				
570	FINAL INSPECTION		3-16-06	TRW		
	A) HEADSPACE	PASS	3-16-06	TRW		
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.41 2.13 2.04 2.12 2.10	3-15-06	TRW	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	7.0 7.0 7.0	3-15-06	RA	
	G) SAFETY OFF FORCE	2 LBS	2.5 2.5 2.5	3-15-06	RA	
	I) FIRING PIN INDENT	.020	.021 .021 .021	3-15-06	RA	
690	PACK			3-16-06	RA	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461547.__0

FILE DATE AND TIME: 03/14/2006 16:15

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.036
The Average Y Centroid of the Five Target Set:	0.000
The Average Point of Impact of the Five Target Set:	0.036
The Average Mean Radius of the Five Target Set:	0.780
The Distance from POA to Centroid Target #1:	0.167
The Distance from Centroid Target #2 to Centroid Target #1:	0.278
The Distance from Centroid Target #3 to Centroid Target #1:	0.215
The Distance from Centroid Target #4 to Centroid Target #1:	0.182
The Distance from Centroid Target #5 to Centroid Target #1:	0.362

BARBER - M24 0152809

SERIAL NUMBER: G6461547. 0

TARGET NUMBER: 1

FILE DATE: 03/14/2006

FILE TIME: 16:15

POINT#	X	Y
1:	0.053	0.508
2:	-0.684	0.591
3:	-0.964	-0.125
4:	-0.482	-0.799
5:	-0.039	-0.374
6:	0.452	-0.222
7:	0.609	-0.883
8:	0.369	-2.530
9:	-0.074	1.728
10:	-0.487	0.989

X CENTROID: -0.125

Y CENTROID: -0.112

POA TO CENTROID: 0.167

HORZ SPREAD: 1.573

VERT SPREAD: 4.258

GROUP SPREAD: 4.281

MIN RADIUS: 0.276

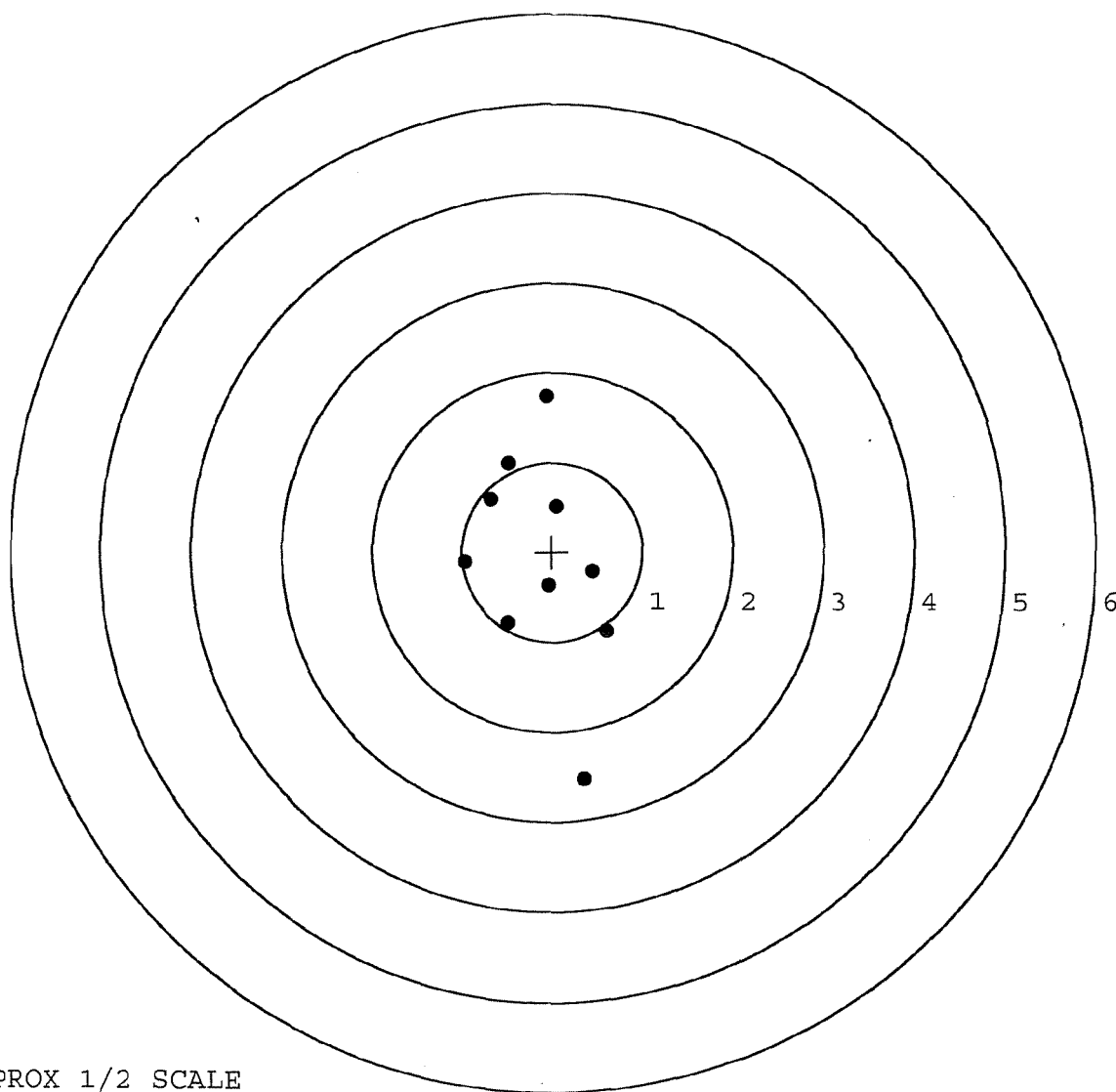
MAX RADIUS: 2.468

MEAN RADIUS: 1.055

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



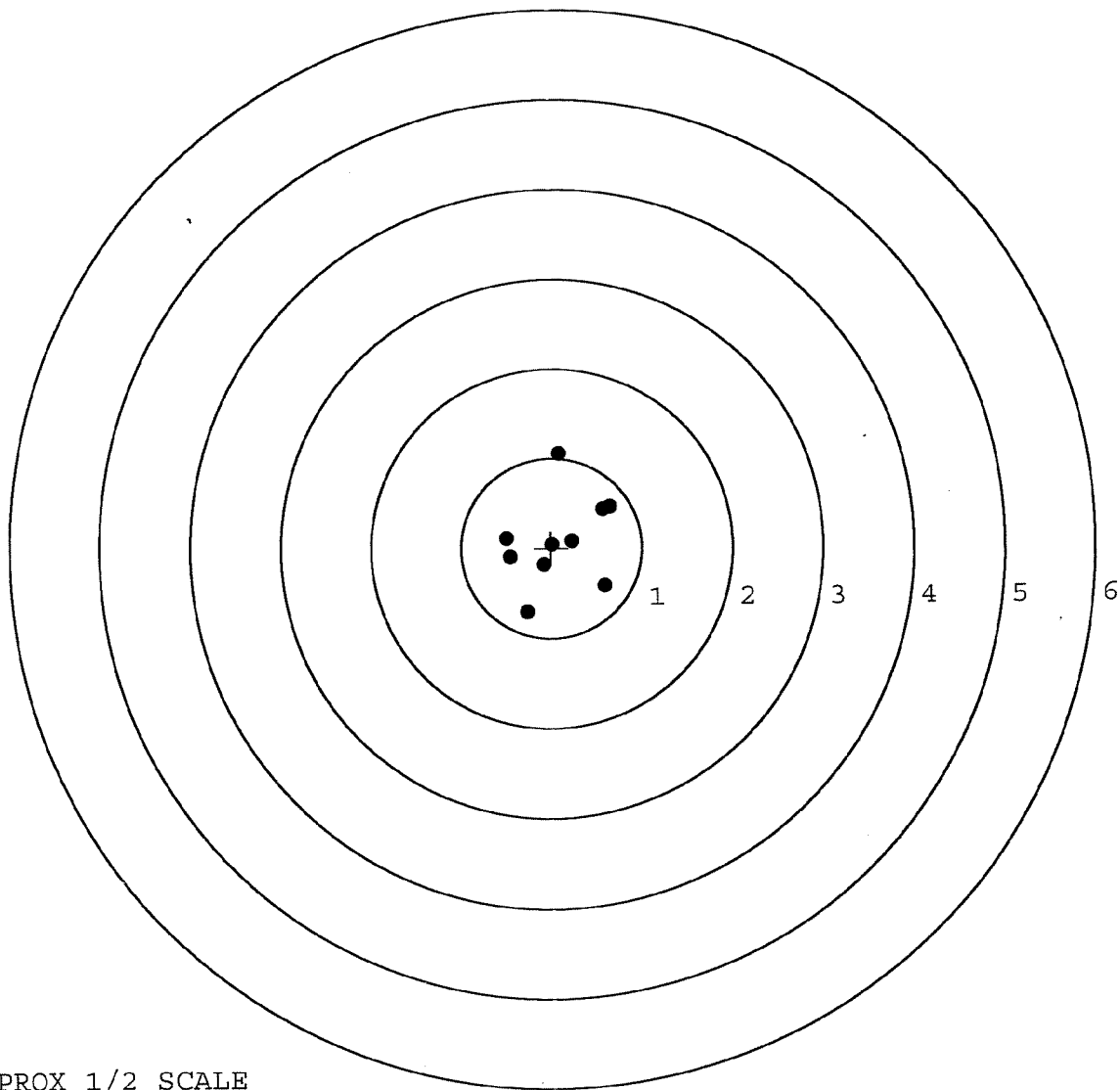
TARGET APPROX 1/2 SCALE

BARBER - M24 0152810

SERIAL NUMBER: G6461547. __0
 TARGET NUMBER: 2
 FILE DATE: 03/14/2006
 FILE TIME: 16:15

POINT#	X	Y
1:	0.571	0.428
2:	0.593	-0.430
3:	-0.269	-0.718
4:	-0.496	0.109
5:	-0.455	-0.101
6:	-0.086	-0.187
7:	0.008	0.034
8:	0.233	0.076
9:	0.652	0.455
10:	0.092	1.050

X CENTROID: 0.084
 Y CENTROID: 0.072
 POA TO CENTROID: 0.111
 HORZ SPREAD: 1.148
 VERT SPREAD: 1.768
 GROUP SPREAD: 1.804
 MIN RADIUS: 0.085
 MAX RADIUS: 0.978
 MEAN RADIUS: 0.554
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0152811

SERIAL NUMBER: G6461547. __0

TARGET NUMBER: 3

FILE DATE: 03/14/2006

FILE TIME: 16:15

POINT#	X	Y
--------	---	---

1:	-1.180	-0.022
----	--------	--------

2:	-0.443	-0.173
----	--------	--------

3:	-0.290	0.063
----	--------	-------

4:	0.011	0.310
----	-------	-------

5:	0.294	0.681
----	-------	-------

6:	0.632	0.584
----	-------	-------

7:	0.021	-0.327
----	-------	--------

8:	0.143	-0.633
----	-------	--------

9:	0.686	-0.794
----	-------	--------

10:	1.027	-0.742
-----	-------	--------

X CENTROID: 0.090

Y CENTROID: -0.105

POA TO CENTROID: 0.139

HORZ SPREAD: 2.207

VERT SPREAD: 1.475

GROUP SPREAD: 2.321

MIN RADIUS: 0.232

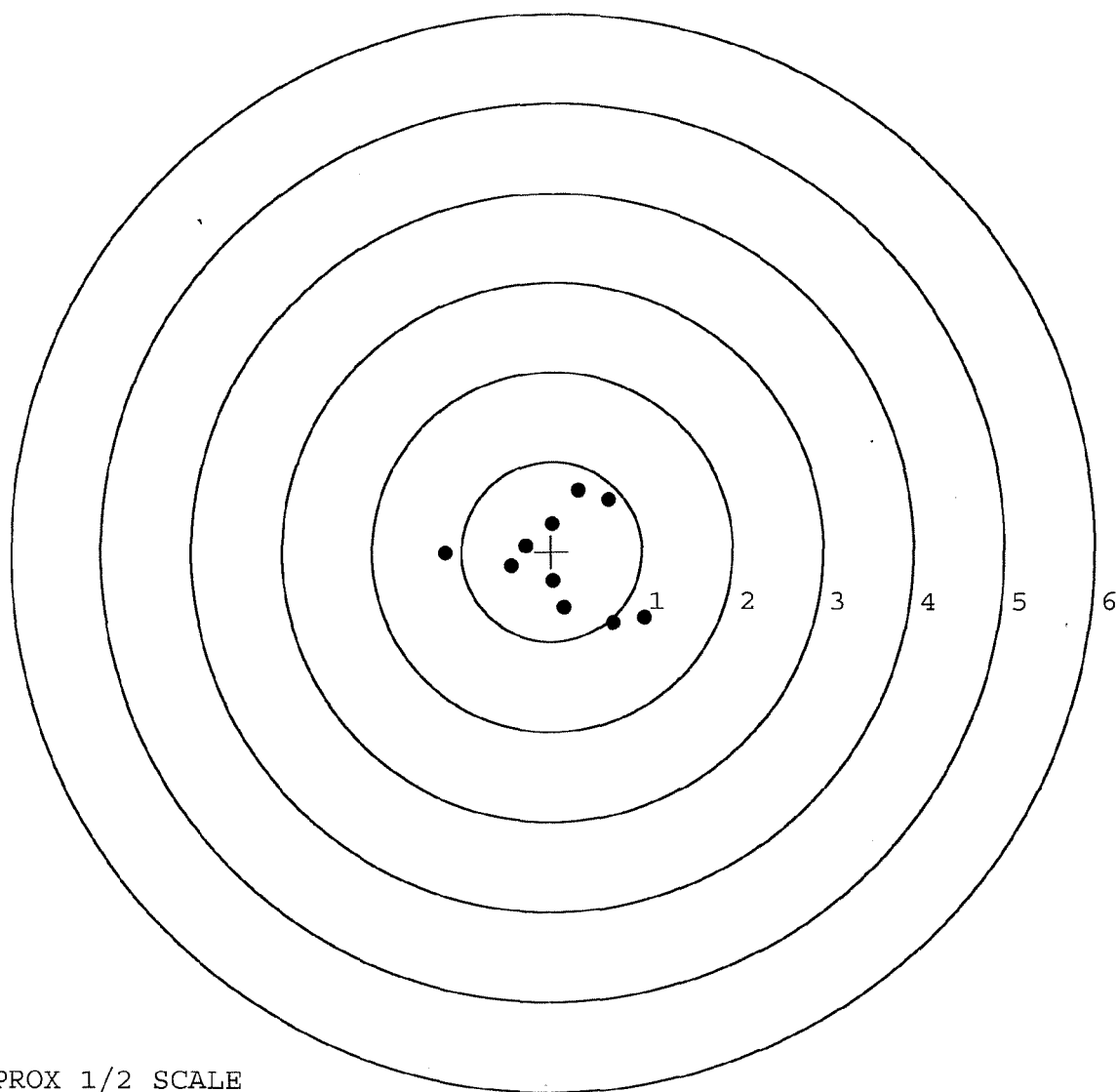
MAX RADIUS: 1.273

MEAN RADIUS: 0.714

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0152812

SERIAL NUMBER: G6461547. 0

TARGET NUMBER: 4

FILE DATE: 03/14/2006

FILE TIME: 16:15

POINT#	X	Y
1:	-0.465	0.924
2:	-0.576	0.594
3:	-0.213	0.479
4:	0.488	0.404
5:	0.346	0.047
6:	0.670	-0.395
7:	-0.203	-0.094
8:	0.038	-0.276
9:	0.057	-0.611
10:	-0.591	-0.551

X CENTROID: -0.045

Y CENTROID: 0.052

POA TO CENTROID: 0.069

HORZ SPREAD: 1.261

VERT SPREAD: 1.535

GROUP SPREAD: 1.740

MIN RADIUS: 0.215

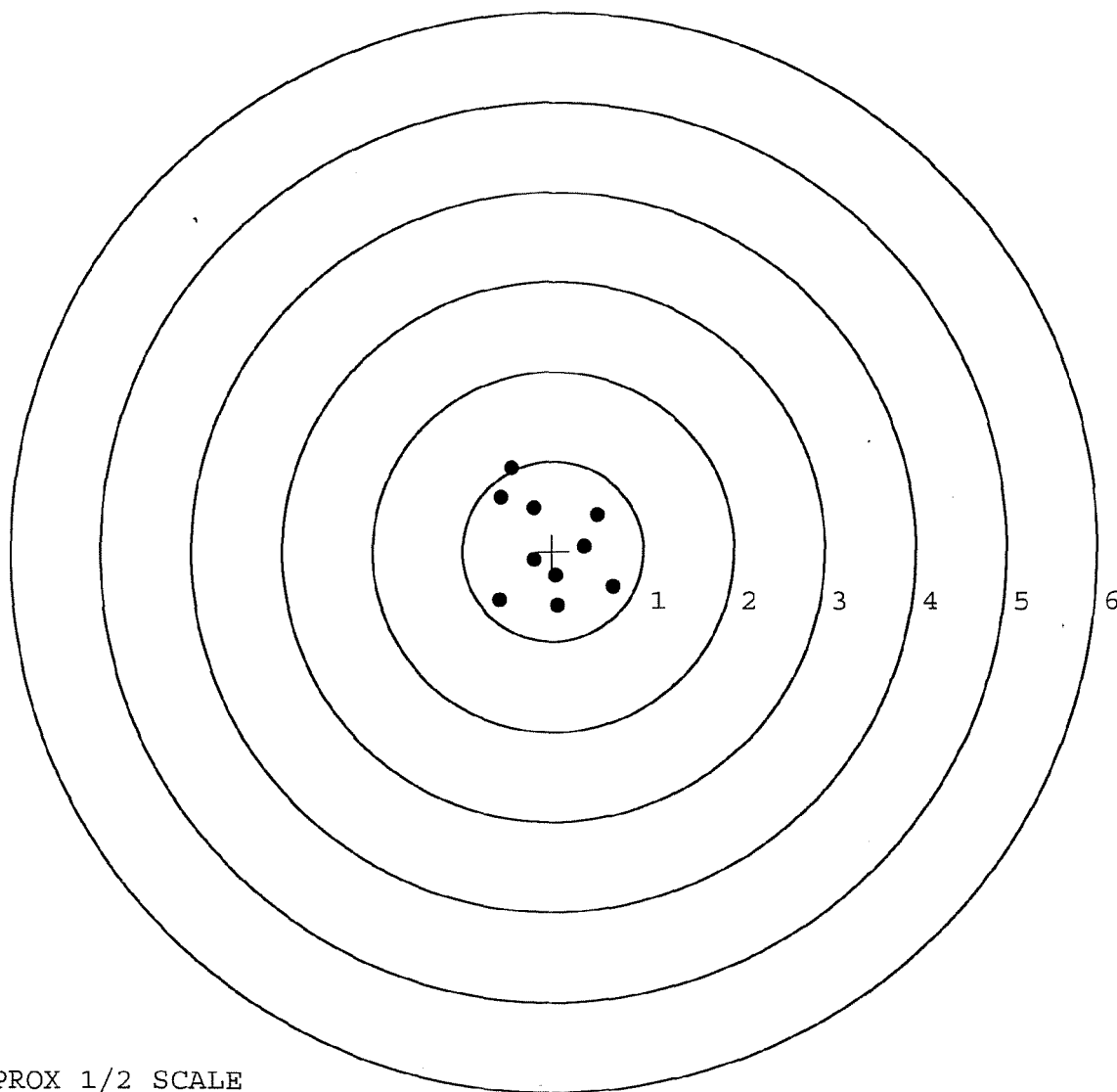
MAX RADIUS: 0.968

MEAN RADIUS: 0.610

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



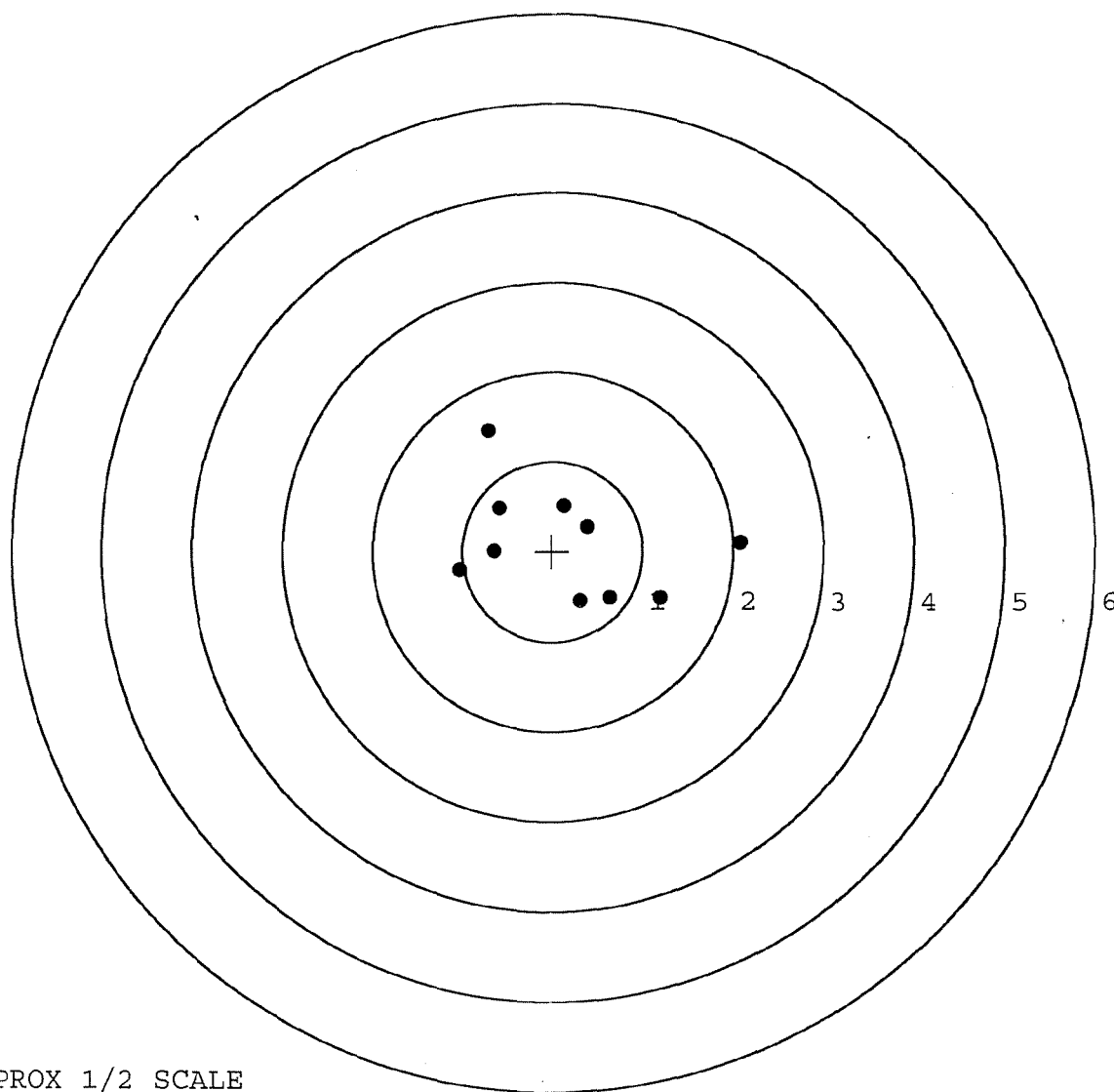
TARGET APPROX 1/2 SCALE

BARBER - M24 0152813

SERIAL NUMBER: G6461547. __0
 TARGET NUMBER: 5
 FILE DATE: 03/14/2006
 FILE TIME: 16:15

POINT#	X	Y
1:	-0.589	0.479
2:	-0.642	0.000
3:	-1.033	-0.207
4:	0.131	0.505
5:	0.387	0.271
6:	0.308	-0.547
7:	0.637	-0.512
8:	1.197	-0.514
9:	2.075	0.094
10:	-0.717	1.346

X CENTROID: 0.175
 Y CENTROID: 0.092
 POA TO CENTROID: 0.198
 HORZ SPREAD: 3.108
 VERT SPREAD: 1.893
 GROUP SPREAD: 3.123
 MIN RADIUS: 0.277
 MAX RADIUS: 1.900
 MEAN RADIUS: 0.966
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

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: **RE00028679** Serial: C6348750 Model: 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 6/18/01 1:03:21 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **DFEL STORAGE SECTION** **DFEL STORAGE SECTION**

Address 1: **BLDG 490** **BLDG 490**

Address 2: PO Box: PO Box:

City: **FORT BENNING** **FORT BENNING**

State: **GA** Zip Code: **31905** Country: **US** State: **GA** Zip Code: **31905** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Pool:

Condition:

Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A008	With Swivel	1
A010	Hard Case	1
A026	Scope	1

Repair Search Refresh Close

6/18/01 12:35 PM CAPS NUM INS SCAL

Start Inbox Arm Micro Amaz Part Free Lab SAP 2:35 PM

Serial Number:

C6348750Model: **700****RE00028679***E6413468*

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. E 6413468DATE 4/24/01TESTER RL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	225	228		229	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	228	230		232	
PULL #3	225	223		231	
PULL #4	233	227		234	
PULL #5	221	227		234	
TOTAL	1132	1135		1165	
AVG.	224	227		233	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	317	309		
PULL #2	319	315		
PULL #3	320	319		
PULL #4	300	316		
PULL #5	306	317		
TOTAL	1562	1576		
AVG.	312	315		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.09		4.11
PULL #2	4.17	4.14		4.02
PULL #3	4.05	4.13		4.11
PULL #4	4.23	4.18		4.13
PULL #5	4.20	4.22		4.04
TOTAL	2073	2076		2041
AVG.	414	415		408

BARBER - M24 0152816

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413468
11 Jul 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.3784$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.0882$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.388543$

THE AMR FOR THIS RIFLE IS: 1.004

CENTROIDAL DISTANCES

0 TO 1	.226385
1 TO 2	.649117
1 TO 3	.12855
1 TO 4	.324299
1 TO 5	.493478

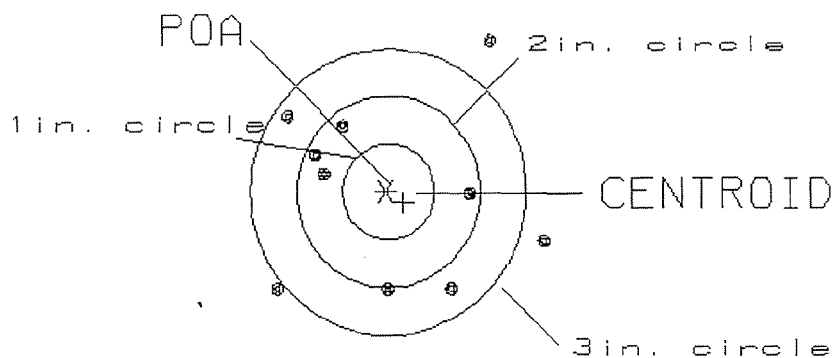
2 3 + <----POA
5 4

PATTERN #: 010
 POA TO CENTROID: .226
 MIN RADIUS : .697
 MEAN RADIUS : 1.217
 MAX RADIUS : 1.887
 CENTROID X : -.195
 CENTROID Y : .115

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413460

CENTERFIRE PATTERN # 1.



OF SHOTS= 10

IN CIRCLE

HS= 2.89

0

VS= 2.59

5

GS= 3.44

7

BARBER - M24 0152818

REMINGTON CENTERFIRE ACCURACY TEST

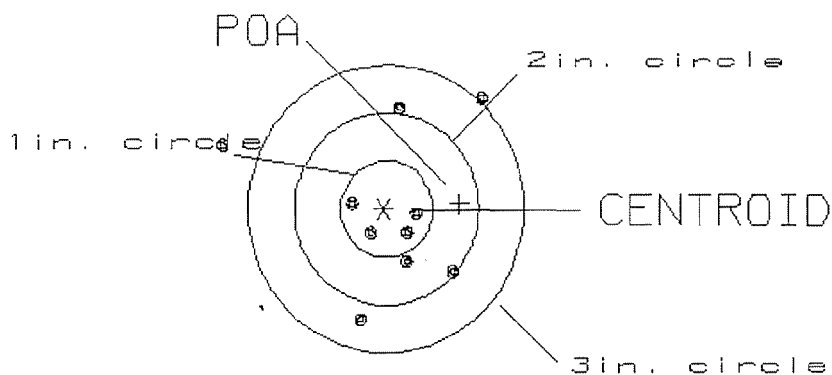
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .824
 MIN RADIUS : .272
 MEAN RADIUS : .849
 MAX RADIUS : 1.881
 CENTROID X : -.822
 CENTROID Y : -.053

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413468

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.73

4

VS= 2.30

6

GS= 2.79

9

BARBER - M24 0152819

REMINGTON CENTERFIRE ACCURACY TEST

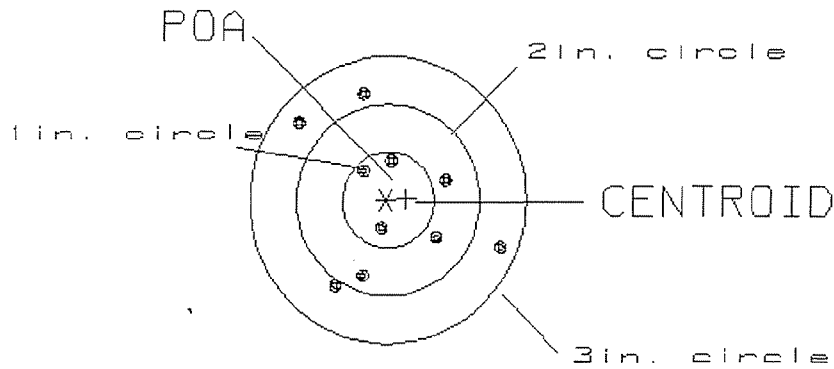
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .225
 MIN RADIUS : .303
 MEAN RADIUS : .789
 MAX RADIUS : 1.289
 CENTROID X : -.225
 CENTROID Y : -.010

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413468

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.15

3

VS= 1.99

6

GS= 2.51

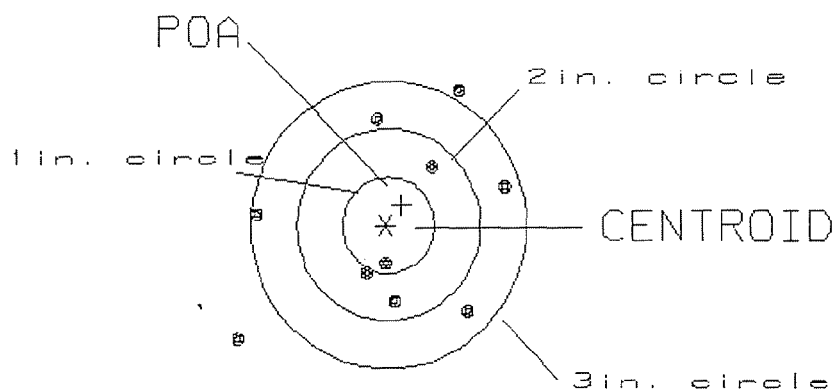
10

PATTERN #: 4
 POA TO CENTROID: .266
 MIN RADIUS : .363
 MEAN RADIUS : 1.115
 MAX RADIUS : 2.061
 CENTROID X : -.166
 CENTROID Y : -.208

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413468

CENTERFIRE PATTERN # 4.



OF SHOTS= 10

IN CIRCLE

HS= 2.94

1

VS= 2.60

4

GS= 3.54

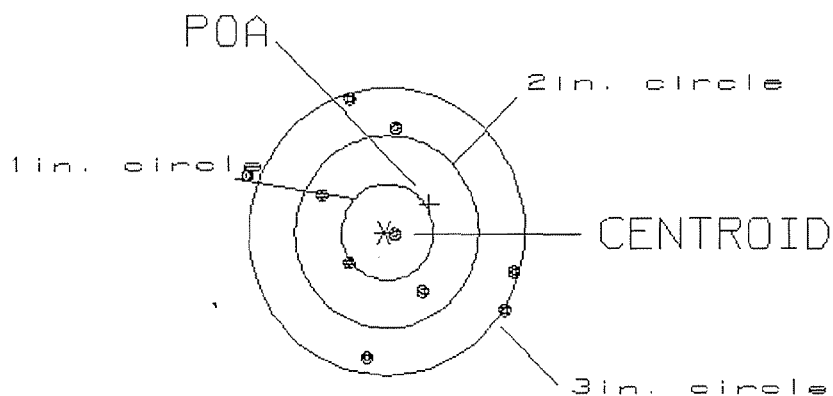
8

PATTERN #: 5
 POA TO CENTROID: .561
 MIN RADIUS : .076
 MEAN RADIUS : 1.048
 MAX RADIUS : 1.597
 CENTROID X : -.484
 CENTROID Y : -.285

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e5413468

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.86

2

VS= 2.68

4

GS= 3.07

9

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348750

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	K
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action		11/2/89	KCK
	Magnaflux Bolt		11/2/89	KCK
615	Rollmark Caliber		11/2/89	G.S.
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11-8-89	A
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-8-89	A
	C) Inspect Ejector Hole for Chamfer		11-8-89	A
	D) Oil Firing Pin Ass'y		11-8-89	A
	E) Adjust Trigger Pull to Min Setting and Stake		11/10/89	JS

BARBER - M24 0152823								
op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	5	5	15 Nov 89	JS		
	G) Safety Off Force	4	3	3	15 Nov 89	JS		
	H) Trigger Pull Test & Retainability				14 Nov 89	JS		
	I) Firing Pin Indent	.021	.021	.0205	15 Nov 89	JS		
	J) Assemble Stock				11-16-89	A		
	K) Assemble Swivel Studs				27 Nov 89	JS		
	L) Attach Front and Rear Sight Assemblies				11-16-89	A		
	M) Iron Sight Alignment				11-16-89	A		
	N) Detach Front & Rear Sights & place in numbered container				11-16-89	A		
	O) Attach Scope to Rifle				16 Nov 89	JS		
	P) Detach & Attach Scope 20 Times				16 Nov 89	JS		
640	Gallery Target & Test				11-17-89	DH		
	A) Time				11-17-89	DH		
	B) Malfunctions				11-17-89	DH		
	C) Pierced Primers				11-17-89	DH		
	D) Optical Clarity of Scope				11-17-89	DH		
645	Inspect for Live Ammo				11-17-89	DH		
655	Final Inspection							
	A) Headspace				27 Nov 89	JS		
	B) Trigger Pull	2.30	2.17	2.26	2.29	2.33	27 Nov 89	JS
	C) Function						27 Nov 89	JS
660	Pack						15 Dec 89	JS

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

SERIAL NO. C6348750

DATE 12/11/90

TESTER JLB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.68	2.44	2.77	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.57	2.74	
PULL #3	2.44	2.69	2.73	
PULL #4	2.58	2.66	2.74	
PULL #5	2.44	2.65	2.73	
TOTAL	12.69	13.01		
AVG.	2.538	2.602		

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.12	3.06	
PULL #2	3.14	3.13	
PULL #3	3.08	3.10	
PULL #4	2.92	3.12	
PULL #5	3.07	3.11	
TOTAL	15.33	15.52	
AVG.	3.066	3.104	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	3.82	3.84		
PULL #2	3.80	3.78		
PULL #3	3.82	3.78		
PULL #4	3.82	3.77		
PULL #5	3.61	3.77		
TOTAL	18.87	18.94		
AVG.	3.774	3.788		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06245753
17 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.153701
1 TO	2	.118431
1 TO	3	.310601
1 TO	4	.198426
1 TO	5	.303864

-----FOR

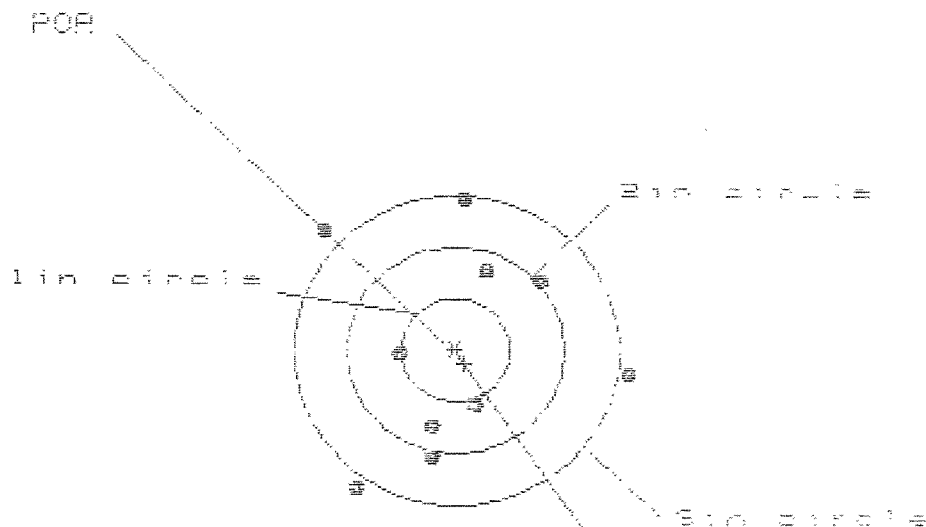
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .09124
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1273
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .109108
THE AMR FOR THIS RIFLE IS: 1.00

17 Nov 1988

FILE: PATTERNING/CENTERFIRE_PATT-08345770

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS= 2.827

VS= 2.753

GS= 3.154

PATTERN #

:

1

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.625

1.980

1.852

MINIMUM X

:

-1.202

-1.021

-1.084

MAXIMUM Y

:

1.406

1.436

1.073

MINIMUM Y

:

-1.287

-1.317

-1.180

CENTROID X

:

-.082

-.263

-.115

CENTROID Y

:

.130

.160

.023

POA TO CENTROID in.:

.153

.308

.137

MIN RADIUS

:

.509

.323

.461

MEAN RADIUS

:

1.117

1.048

.968

MAX RADIUS

:

1.648

1.509

1.577

HORIZONTAL SPREAD

:

2.827

2.001

1.716

VERTICAL SPREAD

:

2.753

2.753

2.753

EXTREME SPREAD

:

3.154

2.919

2.919

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

4

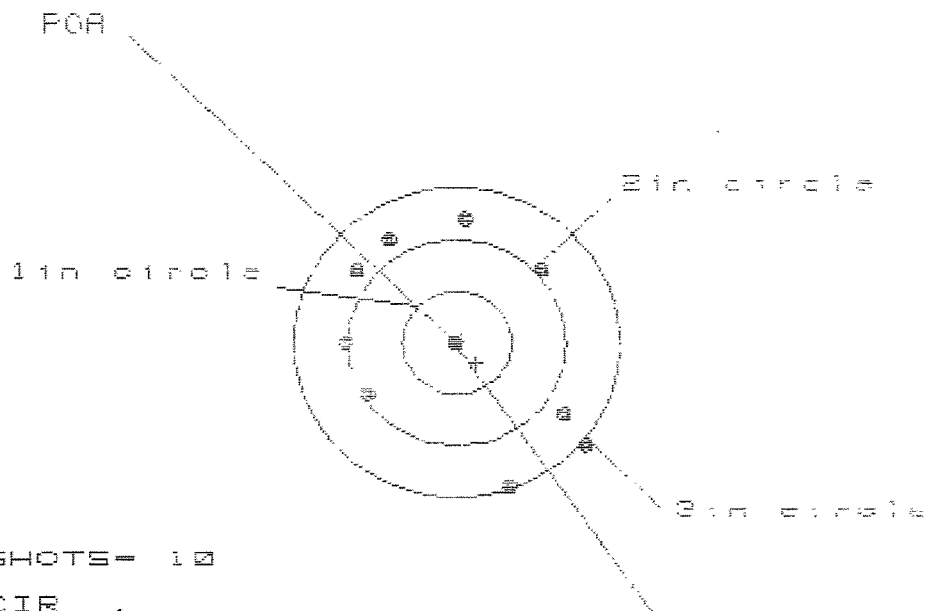
NUMBER IN THREE INCH CIRCLE =

7

17 May 1969

FILE:/PATTERNING/CENTERFIRE_PATT/06846753

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 1

3 in = 9

HS= 2.248

VS= 2.570

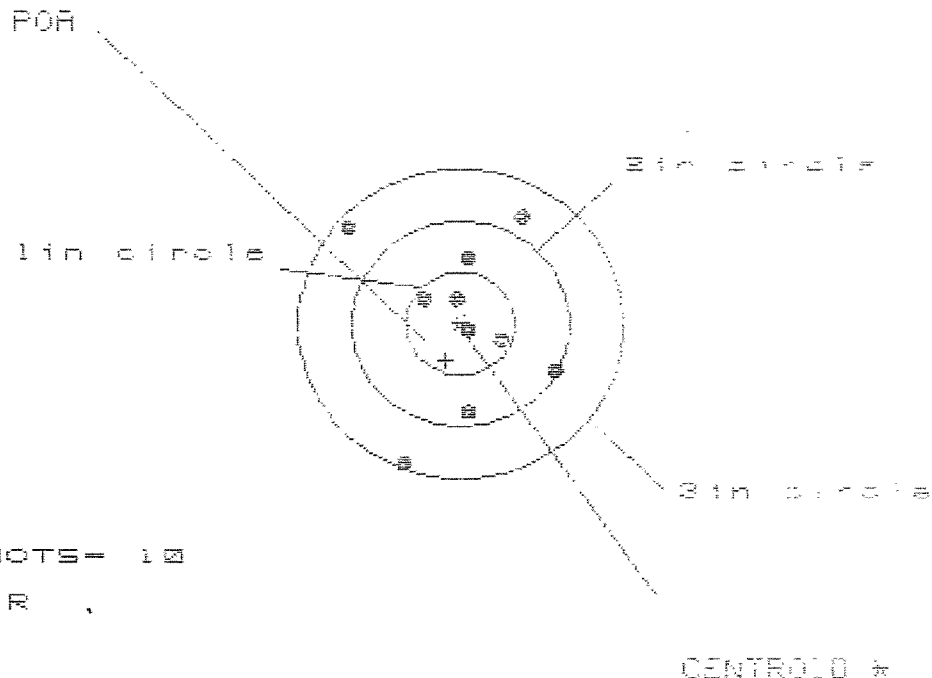
QS= 2.716

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.164	1.146	1.217
MINIMUM X	:	-1.064	-1.933	-1.336
MAXIMUM Y	:	1.205	1.093	1.008
MINIMUM Y	:	-1.365	-1.477	-1.937
CENTROID X	:	-1.181	-1.312	-1.289
CENTROID Y	:	.195	.307	.492
POA TO CENTROID in.	:	.266	.438	.627
MIN RADIUS	:	.061	.114	.310
MEAN RADIUS	:	1.093	1.028	.941
MAX RADIUS	:	1.553	1.600	1.573
HORIZONTAL SPREAD	:	2.248	2.073	2.073
VERTICAL SPREAD	:	2.570	2.570	1.905
EXTREME SPREAD	:	2.716	2.605	2.391
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		1	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Nov 1983

FILE:\PATTERNS\CENTERFIRE_PATT\G348750

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 1.952

VS= 2.404

QS= 2.667

CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.874	.811	.667
MINIMUM X	-1.078	-1.141	-.523
MAXIMUM Y	1.033	.881	.974
MINIMUM Y	-1.371	-1.044	-.551
CENTROID X	.123	.193	.335
CENTROID Y	.357	.509	.416
POA TO CENTROID in.	.380	.545	.524
MIN RADIUS	.123	.067	.213
MEAN RADIUS	.768	.675	.591
MAX RADIUS	1.481	1.363	1.049
HORIZONTAL SPREAD	1.952	1.952	1.192
VERTICAL SPREAD	2.404	1.925	1.925
EXTREME SPREAD	2.667	2.369	2.067
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

17 Nov 1989

FILE:\PATTERNING\CENTERFIRE_PATT 00348250

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 2

3 in = 9

HS = 2.539

VS = 2.124

GS = 2.646

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.359

1.228

1.367

MINIMUM X

:

-1.180

-.899

-.746

MAXIMUM Y

:

1.039

1.144

1.206

MINIMUM Y

:

-1.085

-.930

-.918

CENTROID X

:

.116

.247

.094

CENTROID Y

:

.117

.012

-.050

POA TO CENTROID in.

:

.165

.247

.186

MIN RADIUS

:

.514

.394

.558

MEAN RADIUS

:

1.113

1.052

1.005

MAX RADIUS

:

1.513

1.399

1.362

HORIZONTAL SPREAD

:

2.539

2.127

2.053

VERTICAL SPREAD

:

2.124

2.124

2.124

EXTREME SPREAD

:

2.646

2.491

2.335

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

2

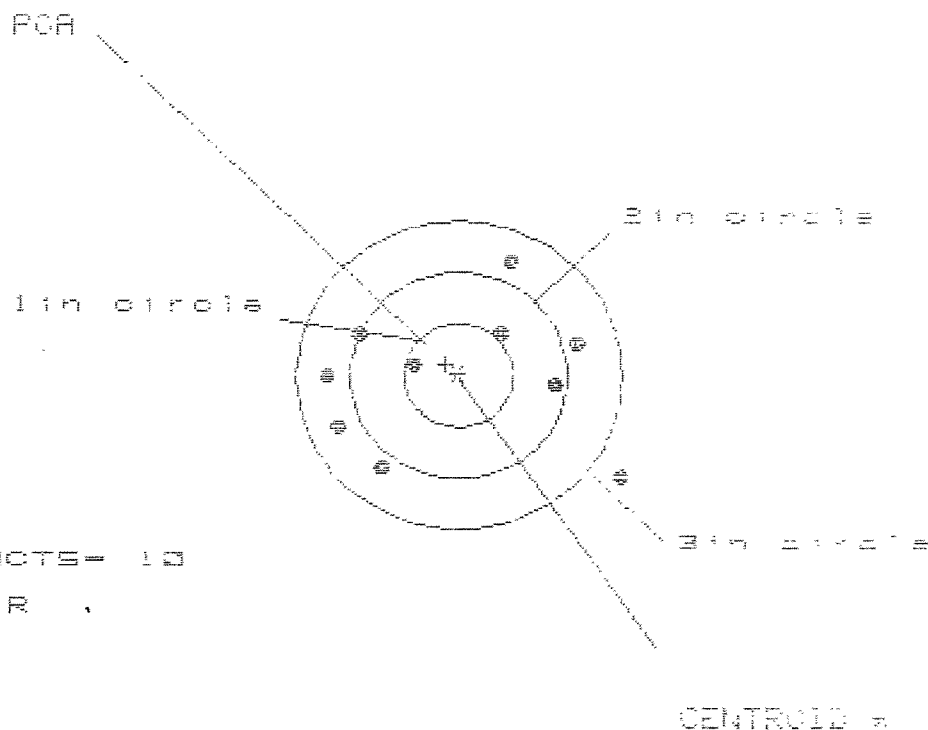
NUMBER IN THREE INCH CIRCLE =

9

17 Nov 1983

FILE: PATTERNS/CENTERFIRE_PATT.06348750

CENTERFIRE PATTERNS # 5



PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.493
MINIMUM X	-1.202
MAXIMUM Y	1.109
MINIMUM Y	-.971
CENTROID X	.114
CENTROID Y	-.119
POA TO CENTROID in.	.159
MIN RADIUS	.378
MEAN RADIUS	1.056
MAX RADIUS	1.781
HORIZONTAL SPREAD	2.695
VERTICAL SPREAD	2.080
EXTREME SPREAD	2.878
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	9

Remington®
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ H24

SERIAL NO.
C6348750

ORDER NO.
5716

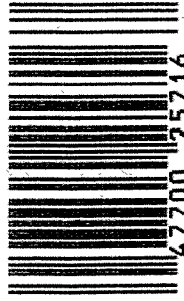
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6348750

UPC



0 47700 25716 7

RECEIVING REPORT

COMMENTS

ORDER

R 99-20517

INITIAL CUSTOMER ORDER NO.

SWS

M/24

W/SCOPE

Scope S/N 87-1141

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

10/18/99

10/20/99

C6348750

700

7.62

NATO

ACCESSORIES

W/STUDS

W/SWIVELS

HARD CASE

SCOPE MNTS

SCOPE BASE

FROM:

SHIP TO:

U S ARMY
CO D 2/29 INF REGT
BLDG 73
FT BENNING

GA 31905

U S ARMY
CO D 2/29 INF REGT
BLDG 73
FT BENNING

GA

31905

CUST NO: 187354 C.O.D.L.

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

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

A1

B1

TRIGGER GROUP

B2

BOLT ASSY.

B3

BARREL ASSY.

B4

REC. ASSY.

B5

WOOD

C1

D1

METAL

C2

D2

MAIN FAULT

PARTS

COMMENTS

13 BL
STOCK
BOLT ASSY
EXTRACTOR

96003
96018
96005
91816

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

RW

1-26-00

1-31-00

1-31-00

OFFICE COPY

RD6925 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 042489152871

BARBER - M24 0152833

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348750

4 Feb 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4144

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.25

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .48397

THE AMR FOR THIS RIFLE IS: 1.195

CENTROIDAL DISTANCES

0 TO	1	.612386
1 TO	2	1.28275
1 TO	3	.509322
1 TO	4	.547133
1 TO	5	.155081

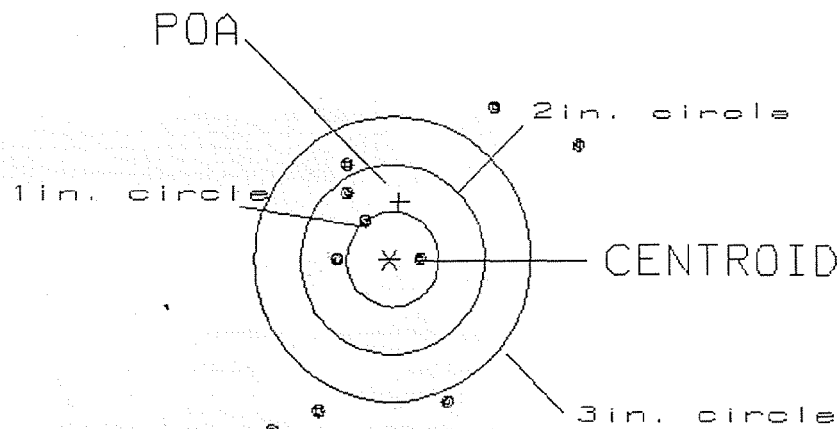
2
4 + <----POA
3 5
1

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .612
 MIN RADIUS : .329
 MEAN RADIUS : 1.332
 MAX RADIUS : 2.375
 CENTROID X : -.101
 CENTROID Y : -.604

4 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348750

CENTERFIRE PATTERN # 1



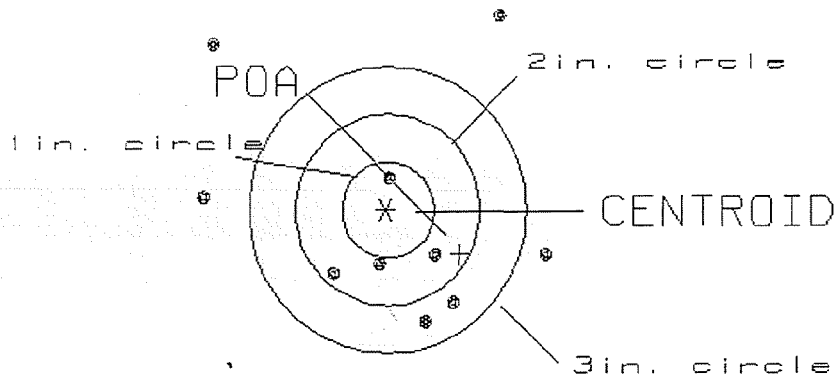
# OF SHOTS= 10	# IN CIRCLE
HS= 3.35	2
VS= 3.37	4
GS= 4.49	5

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .934
 MIN RADIUS : .369
 MEAN RADIUS : 1.378
 MAX RADIUS : 2.556
 CENTROID X : -.810
 CENTROID Y : .465

4 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348750

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.74

1

VS= 3.20

4

GS= 4.19

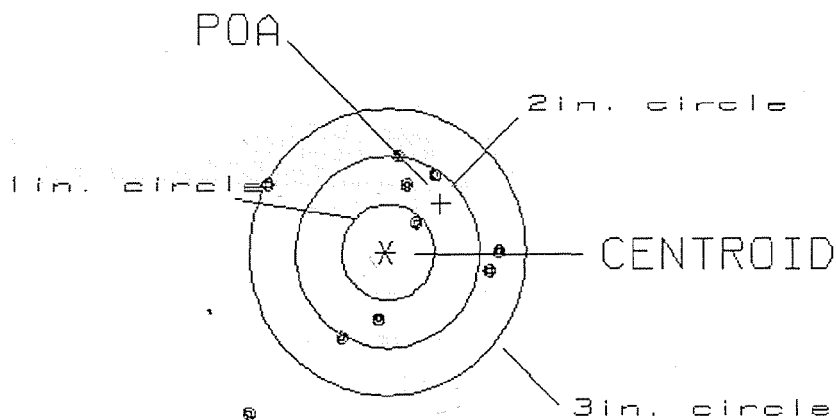
6

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .786
 MIN RADIUS : .391
 MEAN RADIUS : 1.093
 MAX RADIUS : 2.264
 CENTROID X : -.601
 CENTROID Y : -.507

4 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348750

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.71

1

VS= 2.74

4

GS= 3.24

9

BARBER - M24 0152837

REMINGTON CENTERFIRE ACCURACY TEST

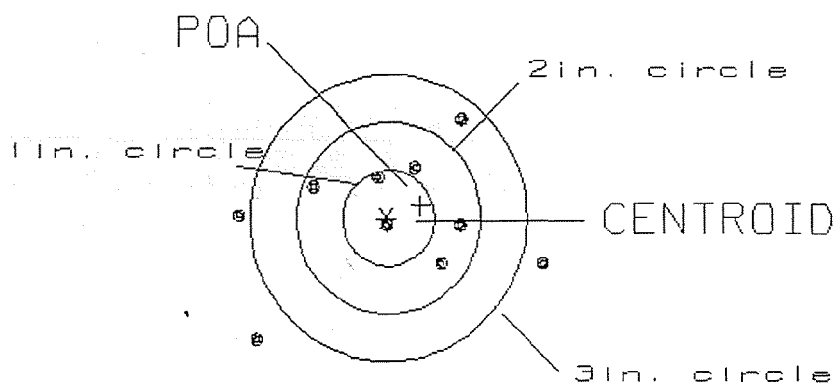
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .398
 MIN RADIUS : .115
 MEAN RADIUS : 1.028
 MAX RADIUS : 1.926
 CENTROID X : -.376
 CENTROID Y : -.131

4 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348750

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.37

2

VS= 2.27

6

GS= 3.40

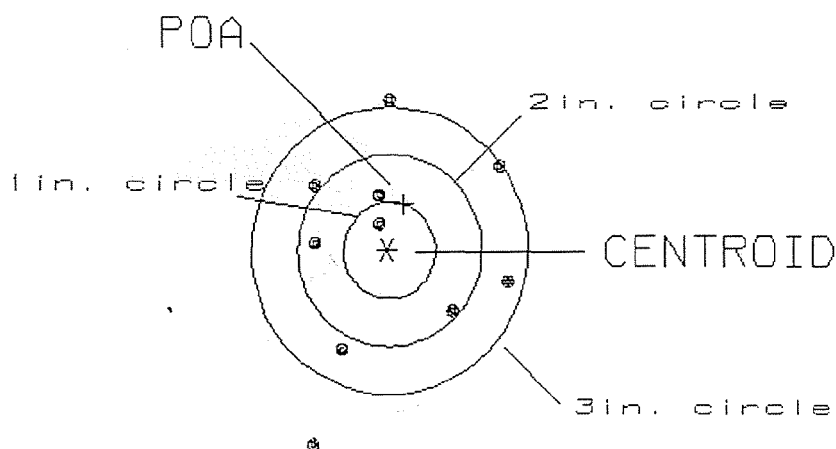
7

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .508
 MIN RADIUS : .261
 MEAN RADIUS : 1.142
 MAX RADIUS : 2.202
 CENTROID X : -.184
 CENTROID Y : -.473

4 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348750

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.15

1

US= 3.64

4

GS= 3.73

8

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO.

C6348750

LOG IN DATE: / /		DATE	INIT.
INSPECT & VERIFY:			
OP. #	OP. NAME		
550	DIS-ASSEMBLE GUN		
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL & TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	12-12-99	RW
605	CHECK HEADSPACE	12-12-99	RW
610	DIS-ASSEMBLE		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY ON FORCE		
D	SAFETY OFF FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-31-00	RW
655	FINAL INSPECT	2-8-00	RW
660	PACK		

QAR INSPECTION

SHIP DATE

Final Inspection

S.N: C6348750

DATE REC'D: 10-18-99

DATE RET'D:

AUDITOR: RW

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Scope Assy.

- ☒ Scope
- ☒ Scope Rings
- ☒ Mounting Screws
- ☒ Mounting Base
- ☒ SCREWS
- ☒ FINISH
- ☒ Looseness
- ☒ CLARITY

Misc.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

Stock Assy.

- ☒ Stock
- ☒ Sling Swivel Studs
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☐ Scope Case
- ☐ Iron SIGHTS
- ☐ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET

Comments: