

G 623 6195
Raphaeo
C. 652 3329

Repair Inquiry

Repair Number: RE00129311

Serial: C6236195 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/20/1988

Repairman:

Verify Repair

High Priority

Status:

New 5/16/2007 9:50:48 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: 91 SSPTS / ARMORY

91 SSPTS / ARMORY

Address 1: 311 BOMBER BLVD

311 BOMBER BLVD

Address 2: PO Box:

PO Box:

City: MINOT AFB

MINOT AFB

State: ND

Zip Code: 58705

Country: US

State: ND

Zip Code: 58705

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A026	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglet

5/16/2007

9:59 AM

CAPS

NUM

INS

SCRL

Serial Number:

G6236195

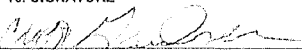
Model: M24 SWS



RE00129311

5716

12-9-02

REQUISITION AND INVOICE/SHIPPING DOCUMENT										OMB No. 0704-0246 OMB approval expires Apr 30, 2009											
The public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0246). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.																					
PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ORGANIZATION. RETURN COMPLETED FORM TO THE ADDRESS IN ITEM 2.																					
1. FROM: (Include ZIP Code) 91 SSPTS / Armory 311 Bomber Blvd Minot AFB, ND 58705										SHEET NO. 1		NO. OF SHEETS 1		5. REQUISITION DATE		6. REQUISITION NUMBER B452S-1123X003XKX					
										7. DATE MATERIAL REQUIRED (YYYYMMDD) 20070510						8. PRIORITY					
2. TO: (Include ZIP Code) XR Remington Arms Company Inc 14 Hoellflger Ave. Ilion NY. 13357-1816										9. AUTHORITY OR PURPOSE Per Item Manager for repair of equipment											
										10. SIGNATURE 						11a. VOUCHER NUMBER & DATE (YYYYMMDD) TSgt Cliff Gardner 20070503					
3. SHIP TO - MARK FOR DODACC: CMA0DC XR Remington Arms Company Inc 14 Hoellflger Ave. Ilion NY. 13357-1816										12. DATE SHIPPED (YYYYMMDD)						b.					
										13. MODE OF SHIPMENT						14. BILL OF LADING NUMBER					
										15. AIR MOVEMENT DESIGNATOR OR PORT REFERENCE NO.											
4. APPROPRIATIONS DATA															AMOUNT						
5773400 307 83M4 23436X 010000 46200 112113F 667100																					
ITEM NO. (a)	FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIEL AND/OR SERVICES (b)										UNIT OF ISSUE (c)	QUANTITY REQUESTED (d)	SUPPLY ACTION (e)	TYPE CON-TAINER (f)	CON-TAINER NOS. (g)	UNIT PRICE (h)		TOTAL COST (i)			
1	NSN: 1005012402136GG M24 Sniper Rifle, serial number G6236195										EA	1				6,000.00		6,000.00			
2																		0.00			
3																		0.00			
																		0.00			
	I certify this shipment contains no hazardous materials, ozone depleting compounds or classified material.. CDG																	0.00			
16. TRANSPORTATION VIA AMC OR MSC CHARGEABLE TO										17. SPECIAL HANDLING											
RECEIPT OF SHIPMENT	18. ISSUED BY		TOTAL CON-TAINERS	TYPE CON-TAINER	DESCRIPTION				TOTAL WEIGHT	TOTAL CUBE	RECEIPT	19. CONTAINERS RECEIVED EXCEPT AS NOTED	DATE (YYYYMMDD)	BY	SHEET TOTAL						
	CDG			1								QUANTITIES RECEIVED EXCEPT AS NOTED	DATE (YYYYMMDD)	BY	6,000.00						
	CHECKED BY 7123															GRAND TOTAL					
	PACKED BY															20. RECEIVER'S VOUCHER NO.					
	TOTAL																				

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON
BARBER - M24 M2408047119

BARBER - M24 0147080

BARBER - M24 0147081

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 5-18-07

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.37	2.12		2.43	
PULL #2	2.27	2.22		2.35	
PULL #3	2.43	2.18		2.50	
PULL #4	2.43	2.17		2.50	
PULL #5	2.45	2.19		2.50	
TOTAL	11.95	10.88		12.28	
AVERAGE	2.39	2.17		2.45	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.22		
PULL #2	3.41	3.21		
PULL #3	3.57	3.20		
PULL #4	3.23	3.28		
PULL #5	3.29	3.25		
TOTAL	16.73	16.16		
AVERAGE	3.34	3.23		

	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	4.26	4.11		4.22
PULL #2	4.06	4.10		4.18
PULL #3	4.24	4.06		4.10
PULL #4	4.23	4.09		4.13
PULL #5	4.24	4.11		4.12
TOTAL	21.03	20.47		20.75
AVERAGE	4.20	4.09		4.15

R & E NUMBER		129311	
SERIAL NUMBER		G6236195	
LOG-IN DATE		5-16-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	5-21-07	RTZ
505	RE-BARREL	5-22-07	RTZ
560	ASSEMBLE	5-23-07	RTZ
600	PROOF	5-25-07	TRW
605	CHECK HEADSPACE	5-25-07	TRW
610	DIS-ASSEMBLE GUN	5-29-07	RTZ
612	MAGNAFLUX	5-29-07	mmms
510	DRILL AND TAP	5-29-07	TRW
615	ROLLMARK CALIBER	5-29-07	CW
618	ROTO-BLAST	5-29-07	LB
620	APPLY COATINGS	5/30/07	WJ
625	FINAL ASSEMBLY	6-1-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	
650	TARGET	PASS FAIL	6-4-07 TRW
	MALFUNCTION OH	CORRECTION OK	6-5-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	6-4-07 Fm
670	FINAL INSPECTION		6-5-07 RA
	A) HEADSPACE	PASS FAIL	6-5-07 RA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.64 2.72 2.53 2.53 2.58 6-5-07 RA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	50 50 50 6-5-07 RA
	G) SAFETY OFF FORCE	2 LBS MIN	30 30 30 6-5-07 RA
	I) FIRING PIN INDENT	.020	.025 .024 .024 6-5-07 RA
690	PACK		6-5-07 RA

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6236195.__0
FILE DATE AND TIME: 06/04/2007 15:04

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

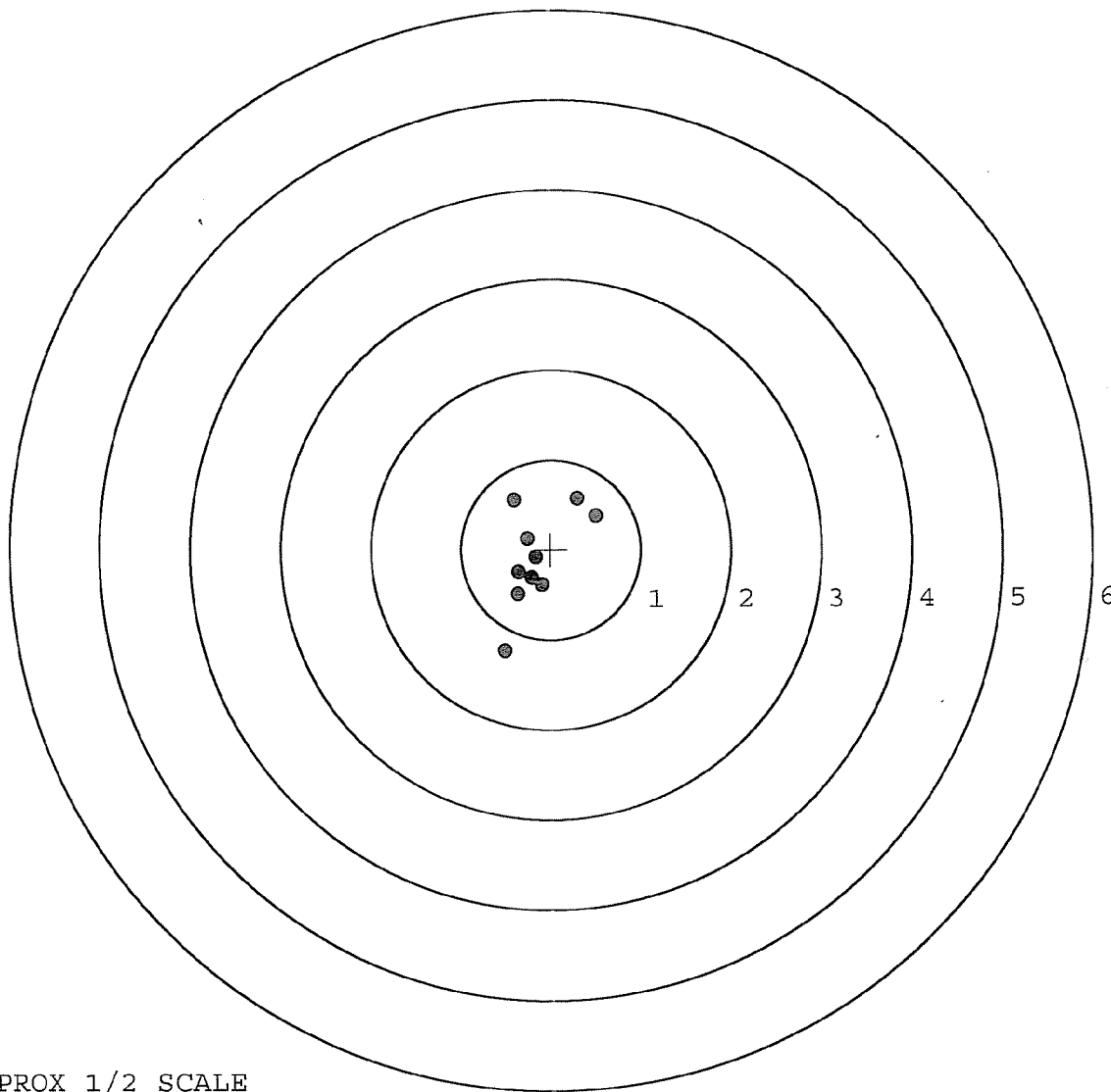
The Average X Centroid of the Five Target Set:	-0.033
The Average Y Centroid of the Five Target Set:	-0.057
The Average Point of Impact of the Five Target Set:	0.066
The Average Mean Radius of the Five Target Set:	0.666
The Distance from POA to Centroid Target #1:	0.192
The Distance from Centroid Target #2 to Centroid Target #1:	0.149
The Distance from Centroid Target #3 to Centroid Target #1:	0.233
The Distance from Centroid Target #4 to Centroid Target #1:	0.151
The Distance from Centroid Target #5 to Centroid Target #1:	0.176

BARBER - M24 0147084

SERIAL NUMBER: G6236195. __0
 TARGET NUMBER: 1
 FILE DATE: 06/04/2007
 FILE TIME: 15:04

POINT#	X	Y
1:	0.503	0.379
2:	0.299	0.571
3:	-0.409	0.559
4:	-0.263	0.126
5:	-0.518	-1.121
6:	-0.102	-0.399
7:	-0.373	-0.499
8:	-0.361	-0.257
9:	-0.168	-0.087
10:	-0.216	-0.319

X CENTROID: -0.161
 Y CENTROID: -0.105
 POA TO CENTROID: 0.192
 HORZ SPREAD: 1.021
 VERT SPREAD: 1.692
 GROUP SPREAD: 1.879
 MIN RADIUS: 0.019
 MAX RADIUS: 1.077
 MEAN RADIUS: 0.492
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



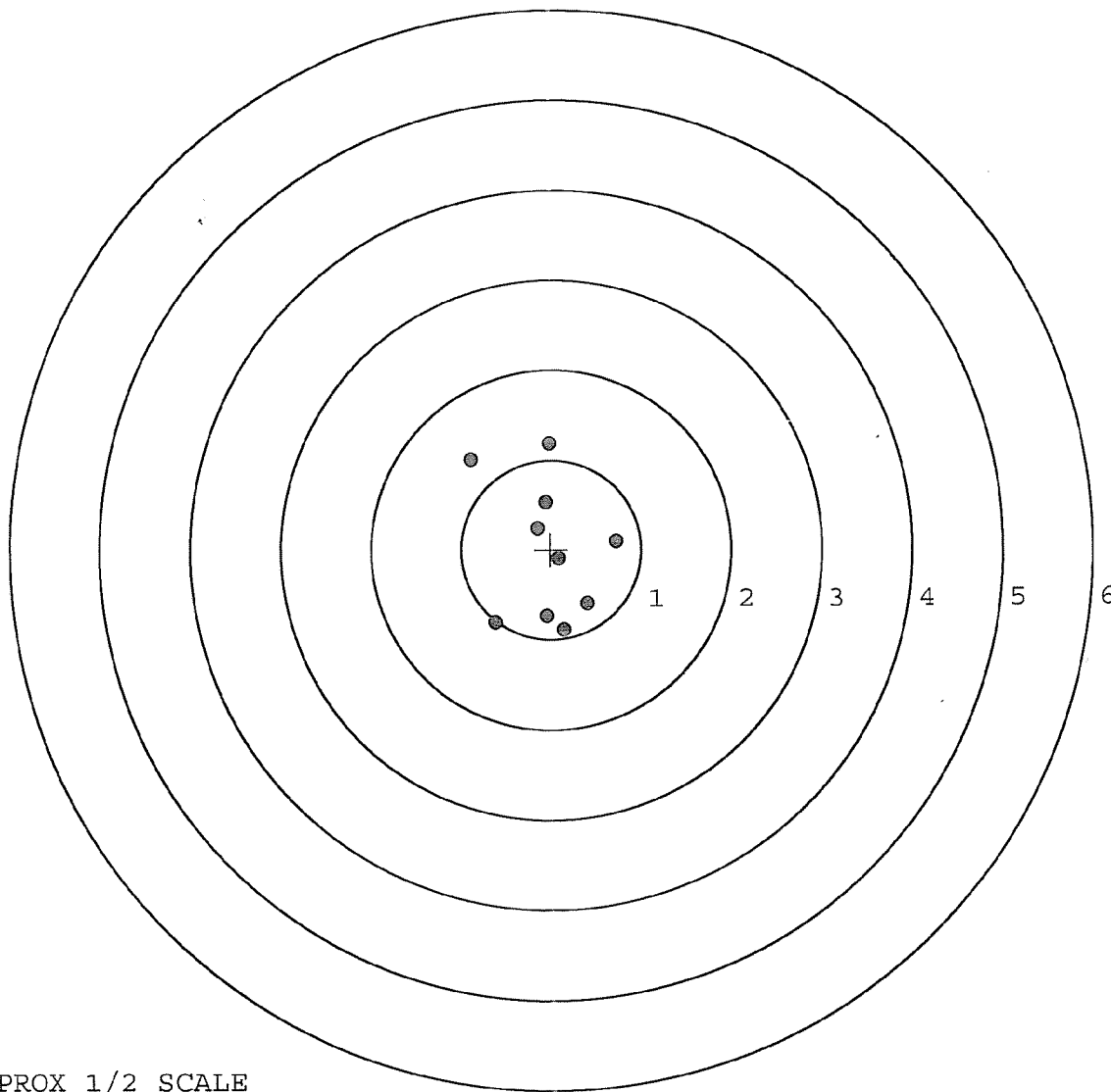
TARGET APPROX 1/2 SCALE

BARBER - M24 0147085

SERIAL NUMBER: G6236195. __0
 TARGET NUMBER: 2
 FILE DATE: 06/04/2007
 FILE TIME: 15:04

POINT#	X	Y
1:	-0.626	-0.817
2:	-0.050	-0.748
3:	0.144	-0.904
4:	0.406	-0.613
5:	0.725	0.089
6:	0.087	-0.104
7:	-0.152	0.235
8:	-0.058	0.529
9:	-0.017	1.185
10:	-0.890	1.010

X CENTROID: -0.043
 Y CENTROID: -0.014
 POA TO CENTROID: 0.045
 HORZ SPREAD: 1.615
 VERT SPREAD: 2.089
 GROUP SPREAD: 2.175
 MIN RADIUS: 0.158
 MAX RADIUS: 1.329
 MEAN RADIUS: 0.766
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



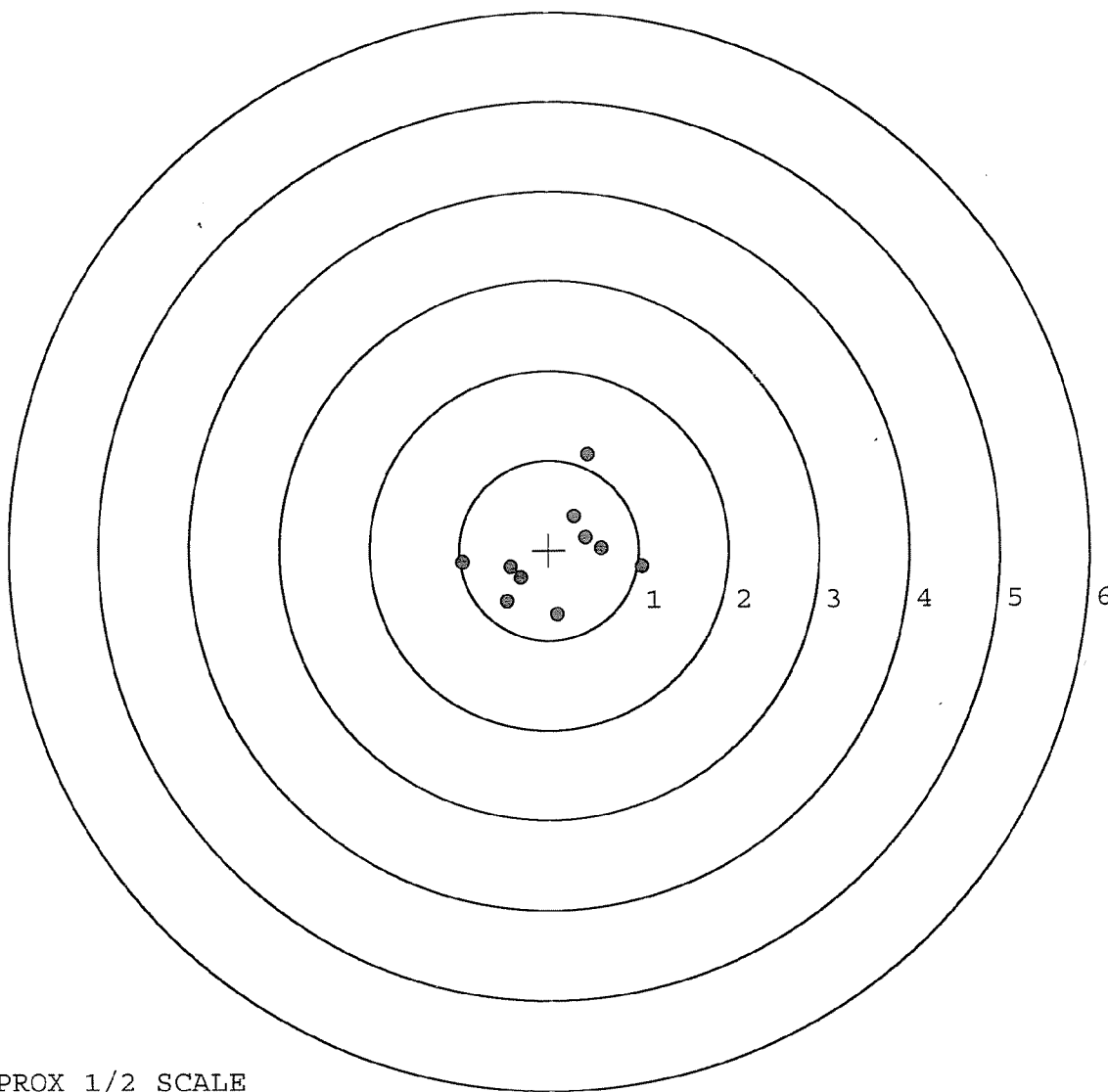
TARGET APPROX 1/2 SCALE

BARBER - M24 0147086

SERIAL NUMBER: G6236195. __0
 TARGET NUMBER: 3
 FILE DATE: 06/04/2007
 FILE TIME: 15:04

POINT#	X	Y
1:	1.037	-0.190
2:	0.583	0.016
3:	0.408	0.137
4:	0.282	0.374
5:	0.438	1.066
6:	0.099	-0.714
7:	-0.472	-0.567
8:	-0.318	-0.312
9:	-0.431	-0.189
10:	-0.965	-0.138

X CENTROID: 0.066
 Y CENTROID: -0.052
 POA TO CENTROID: 0.084
 HORZ SPREAD: 2.002
 VERT SPREAD: 1.780
 GROUP SPREAD: 1.869
 MIN RADIUS: 0.391
 MAX RADIUS: 1.178
 MEAN RADIUS: 0.697
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



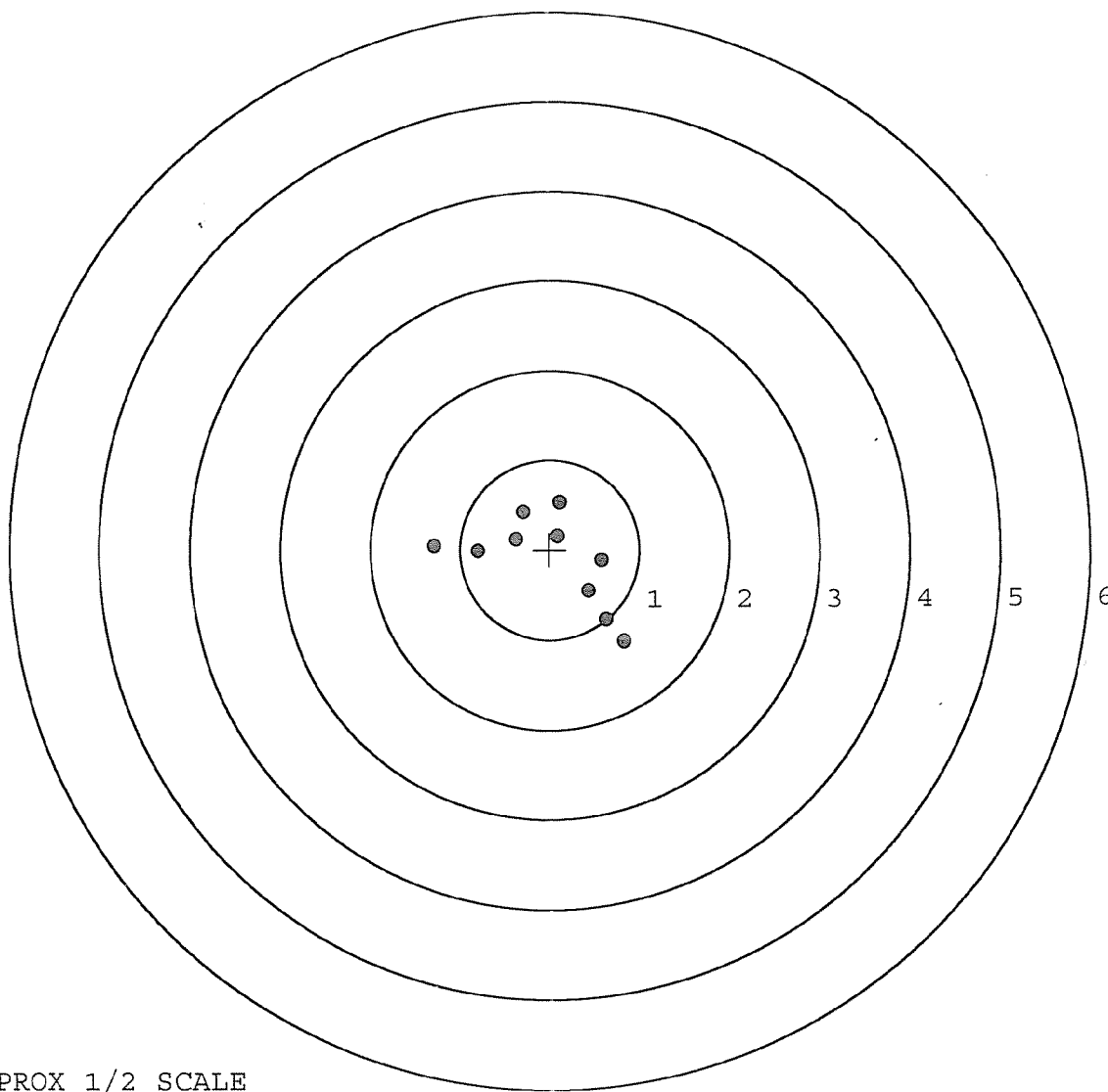
TARGET APPROX 1/2 SCALE

BARBER - M24 0147087

SERIAL NUMBER: G6236195. 0
 TARGET NUMBER: 4
 FILE DATE: 06/04/2007
 FILE TIME: 15:04

POINT#	X	Y
1:	0.824	-1.022
2:	0.622	-0.786
3:	0.433	-0.465
4:	0.579	-0.121
5:	0.115	0.531
6:	0.093	0.147
7:	-0.298	0.423
8:	-0.374	0.116
9:	-0.803	-0.020
10:	-1.293	0.051

X CENTROID: -0.010
 Y CENTROID: -0.115
 POA TO CENTROID: 0.115
 HORZ SPREAD: 2.117
 VERT SPREAD: 1.553
 GROUP SPREAD: 2.373
 MIN RADIUS: 0.281
 MAX RADIUS: 1.293
 MEAN RADIUS: 0.738
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

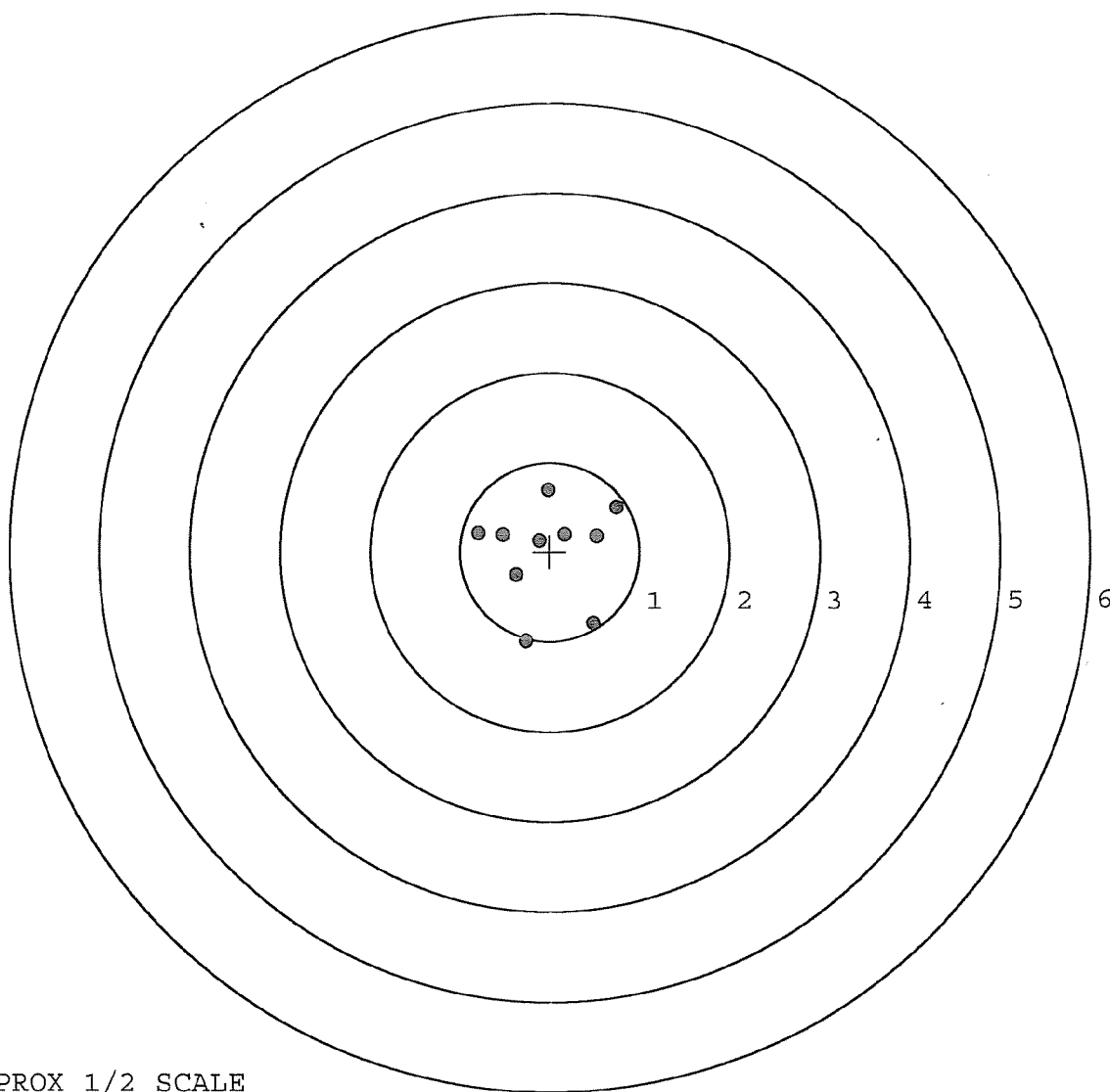


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6236195. 0
 TARGET NUMBER: 5
 FILE DATE: 06/04/2007
 FILE TIME: 15:04

POINT#	X	Y
1:	0.481	-0.807
2:	-0.269	-1.006
3:	-0.379	-0.263
4:	-0.794	0.212
5:	-0.525	0.187
6:	-0.119	0.124
7:	0.172	0.187
8:	0.526	0.171
9:	0.744	0.487
10:	-0.018	0.690

X CENTROID: -0.018
 Y CENTROID: -0.002
 POA TO CENTROID: 0.018
 HORZ SPREAD: 1.538
 VERT SPREAD: 1.696
 GROUP SPREAD: 1.804
 MIN RADIUS: 0.161
 MAX RADIUS: 1.035
 MEAN RADIUS: 0.637
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington®

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

VERY IMPORTANT
READ INSTRUCTIONS
FOR USE OF THIS
RIFLE - USE OF THIS
RIFLE IS A FEDERAL
OFFENSE

MADE IN ILION, NY Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Déposée.

SERIAL NO. G6236195	ORDER NO. 25716
-------------------------------	---------------------------

46

06XW

5716 G6236195

ORDER 25716
M/24 7.62 NATO S.W.S. (COMPLETE SYST

UPC



ORDER 25716
M/24 7.62 NATO S.W.S. (COMPLETE SYST

UPC



SERIAL NO.

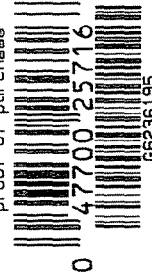


M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

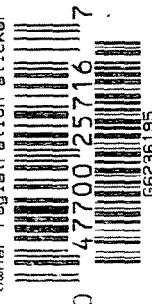
- INSTRUCTION BOOK 3518

46 FORM

proof of purchase



owner registration sticker



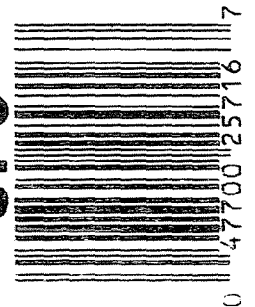
ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

G6236195

UPC



INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6236195

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		8/23/02	RL
600	PROOF		8-26-02	AC
607	CHECK HEADSPACE		8-26-02	AC
610	DIS-ASSEMBLE GUN		8/26/02	RL
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT	OPERATOR <u>RE</u>		
615	ROLLMARK CALIBER		8/27/02	BS
617	DRILL AND TAP SIGHT HOLES		8-28-02	AC
620	APPLY COATINGS (BARREL ACTION)		9-10	TA
	(BOLT)		9-10	TA
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		9/16/02	RL
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		9/16/02	RL
	C) INSPECT EJECTOR HOLE FOR CHAMFER		9/16/02	RL
	D) OIL FIRING PIN ASSEMBLY		9/16/02	RL
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE 2.50 LBS +/- .5 LBS			

OP #	OPERATION NAME	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE 2 LBS MIN 10 LBS MAX	<u>6.0</u> <u>6.0</u> <u>6.0</u>	9/30/02	DA
CONT.	G) SAFETY OFF FORCE 2 LBS MIN	<u>3.0</u> <u>3.0</u> <u>3.0</u>	9/30/02	DA
	H) TRIGGER PULL TEST AND RETAINABILITY			
	I) FIRING PIN INDENT .020 MIN	<u>.021</u> <u>.021</u> <u>.023</u>	9/30/02	DA
	J) ASSEMBLE STOCK		9/17/02	RL
	K) ASSEMBLE SWIVEL STUDS		11/11/02	RW
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		11/4/02	RL
	M) IRON SIGHT ALIGNMENT		11/4/02	RL
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		11/4/02	RL
640	GALLERY TEST AND TARGET	PASS FAIL	9-18-02	A
	MALFUNCTION <i>CH & BAC</i>	CORRECTION	9-18-02	A
	MALFUNCTION	CORRECTION	9-18-02	A
	MALFUNCTION	CORRECTION	9-18-02	A
	MALFUNCTION	CORRECTION	9-18-02	A
645	INSPECT FOR LIVE AMMO		9-18-02	A
655	FINAL INSPECTION A) HEADSPACE		11/11/02	RW
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.42</u> <u>2.36</u> <u>2.37</u> <u>2.38</u> <u>2.34</u>	10-4-02	DA
	C) FUNCTION		11/11/02	RW
660	PACK		12-30-02	DA

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6236195.___0

FILE DATE AND TIME: 09/19/2002 13:41

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

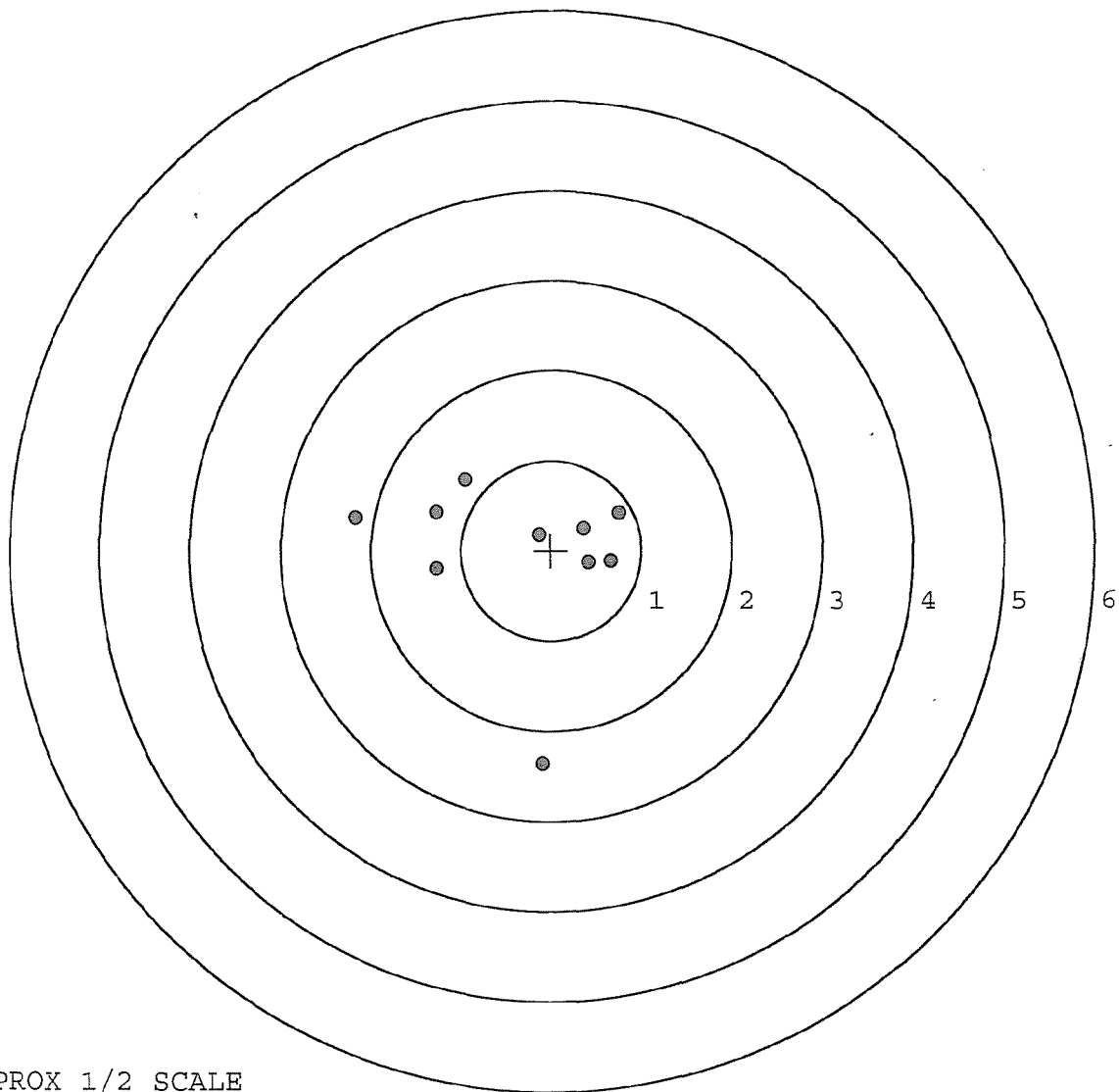
The Average X Centroid of the Five Target Set:	-0.180
The Average Y Centroid of the Five Target Set:	-0.098
The Average Point of Impact of the Five Target Set:	0.205
The Average Mean Radius of the Five Target Set:	0.830
The Distance from POA to Centroid Target #1:	0.374
The Distance from Centroid Target #2 to Centroid Target #1:	0.360
The Distance from Centroid Target #3 to Centroid Target #1:	0.279
The Distance from Centroid Target #4 to Centroid Target #1:	0.275
The Distance from Centroid Target #5 to Centroid Target #1:	0.319

BARBER - M24 0147094

SERIAL NUMBER: G6236195. __0
 TARGET NUMBER: 1
 FILE DATE: 09/19/2002
 FILE TIME: 13:41

POINT#	X	Y
1:	-0.093	-2.372
2:	-0.137	0.175
3:	-0.958	0.789
4:	-1.278	0.428
5:	-2.174	0.371
6:	-1.269	-0.203
7:	0.664	-0.115
8:	0.419	-0.129
9:	0.358	0.248
10:	0.749	0.424

X CENTROID: -0.372
 Y CENTROID: -0.038
 POA TO CENTROID: 0.374
 HORZ SPREAD: 2.923
 VERT SPREAD: 3.161
 GROUP SPREAD: 3.443
 MIN RADIUS: 0.317
 MAX RADIUS: 2.350
 MEAN RADIUS: 1.129
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 8



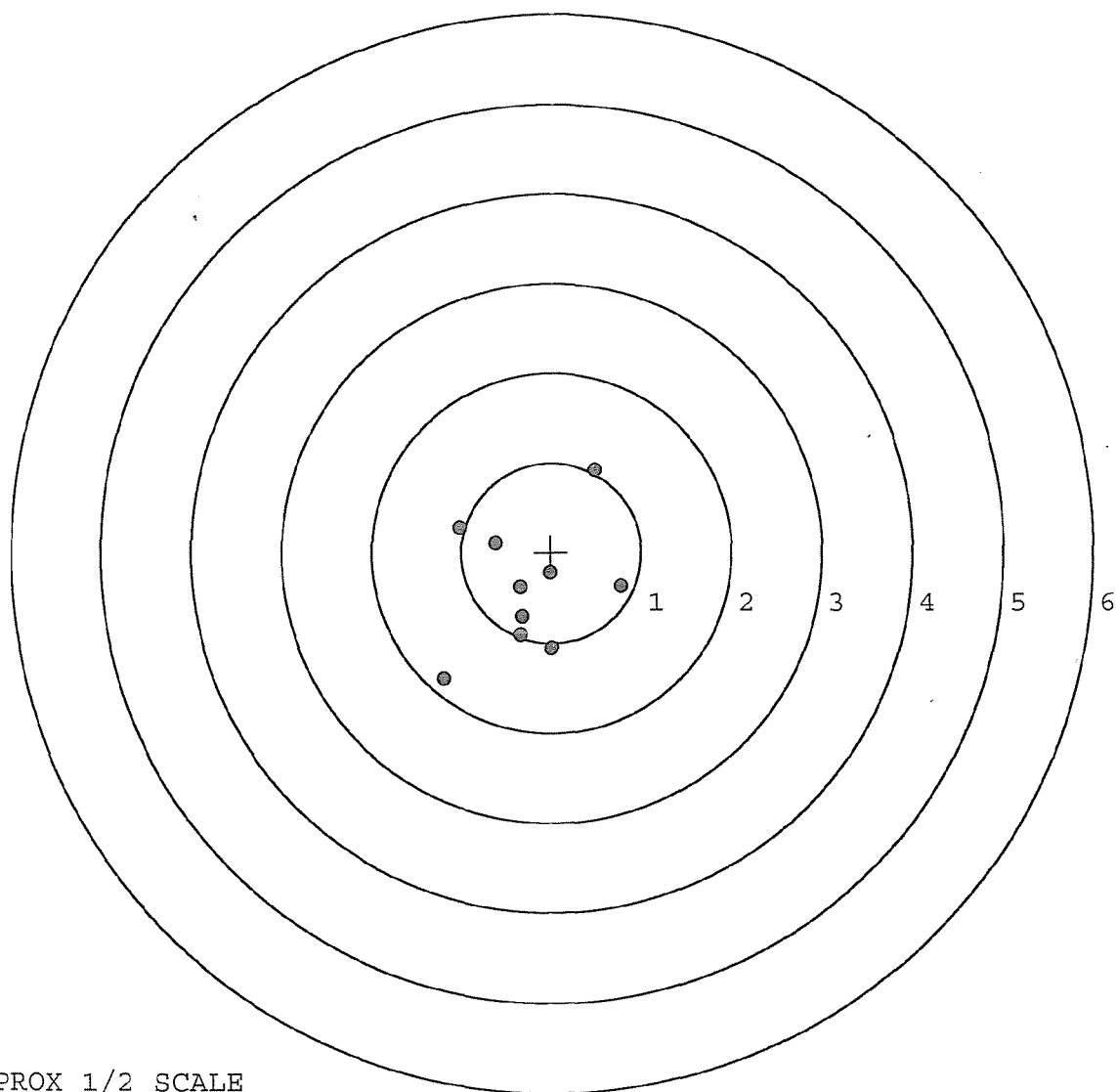
TARGET APPROX 1/2 SCALE

BARBER - M24 0147095

SERIAL NUMBER: G6236195. __0
 TARGET NUMBER: 2
 FILE DATE: 09/19/2002
 FILE TIME: 13:41

POINT#	X	Y
1:	0.775	-0.374
2:	0.480	0.926
3:	-0.619	0.102
4:	-1.021	0.267
5:	-0.008	-0.232
6:	-0.346	-0.393
7:	-0.326	-0.715
8:	0.011	-1.062
9:	-1.190	-1.402
10:	-0.344	-0.917

X CENTROID: -0.259
 Y CENTROID: -0.380
 POA TO CENTROID: 0.460
 HORZ SPREAD: 1.965
 VERT SPREAD: 2.328
 GROUP SPREAD: 2.865
 MIN RADIUS: 0.088
 MAX RADIUS: 1.500
 MEAN RADIUS: 0.752
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

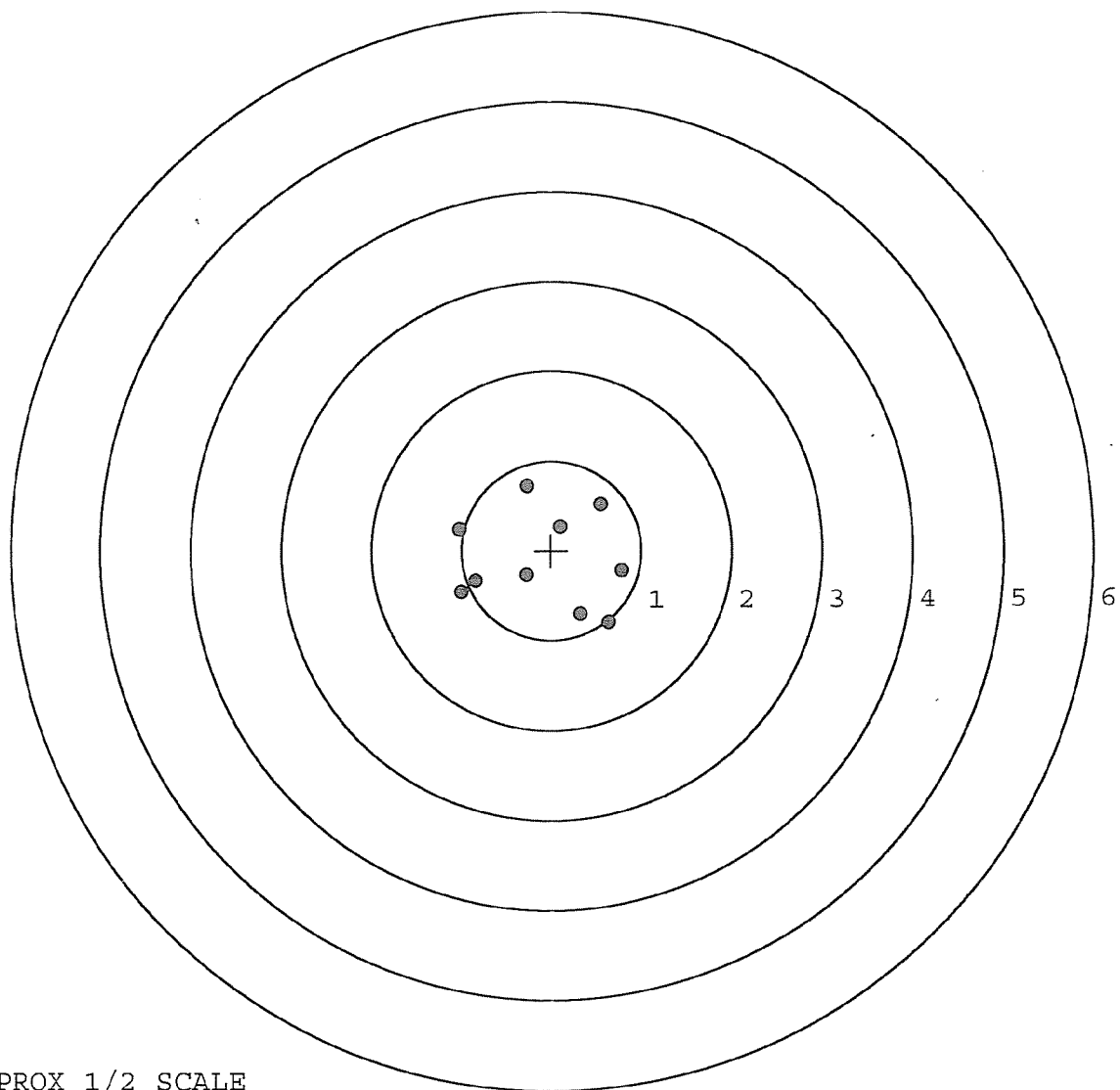


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6236195. __0
 TARGET NUMBER: 3
 FILE DATE: 09/19/2002
 FILE TIME: 13:41

POINT#	X	Y
1:	0.637	-0.813
2:	0.321	-0.717
3:	0.784	-0.233
4:	0.553	0.514
5:	0.102	0.268
6:	-0.270	0.726
7:	-1.024	0.245
8:	-0.841	-0.338
9:	-0.279	-0.275
10:	-1.006	-0.462

X CENTROID: -0.102
 Y CENTROID: -0.108
 POA TO CENTROID: 0.149
 HORZ SPREAD: 1.808
 VERT SPREAD: 1.539
 GROUP SPREAD: 1.969
 MIN RADIUS: 0.243
 MAX RADIUS: 1.021
 MEAN RADIUS: 0.781
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



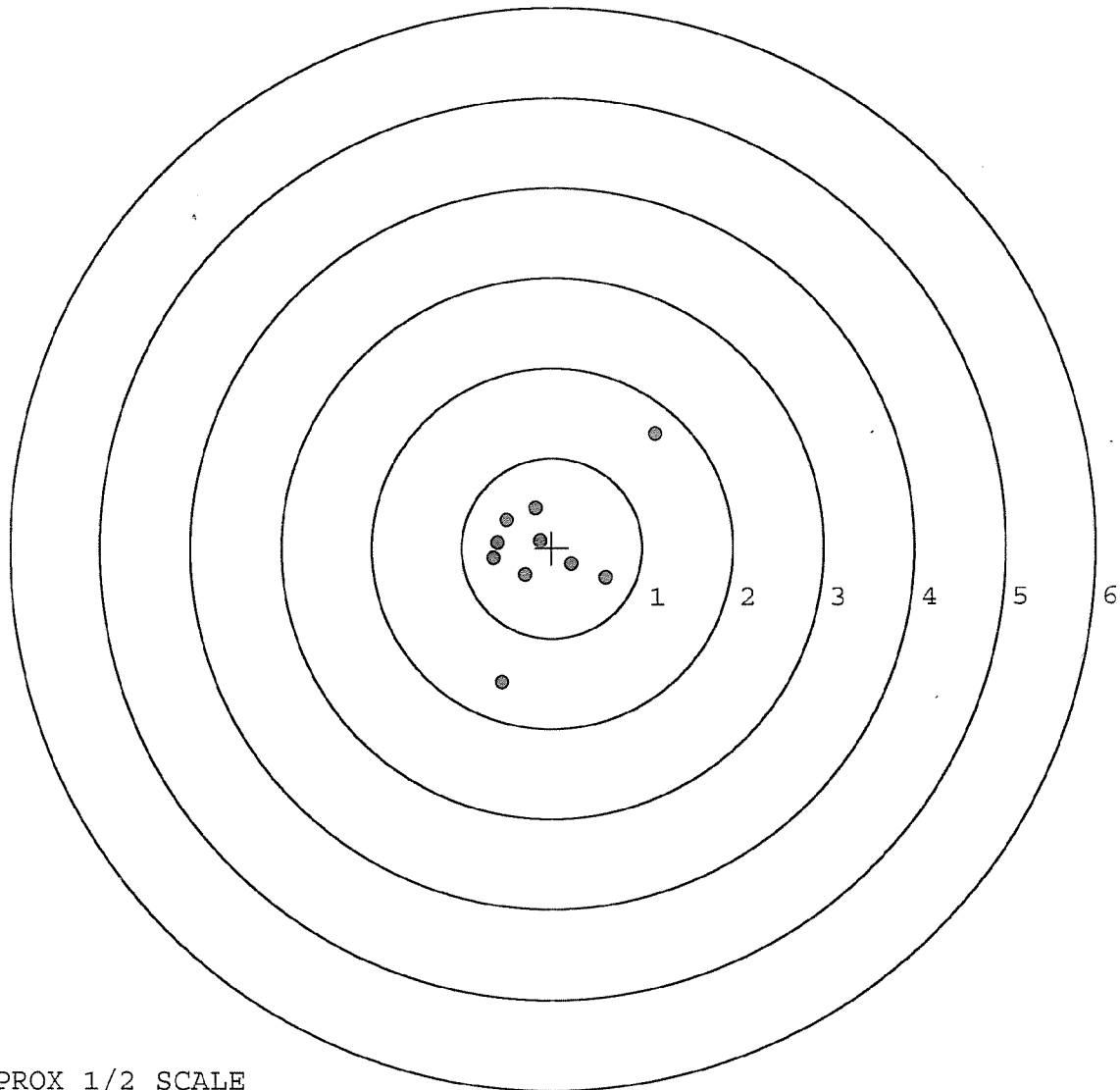
TARGET APPROX 1/2 SCALE

BARBER - M24 0147097

SERIAL NUMBER: G6236195. __0
 TARGET NUMBER: 4
 FILE DATE: 09/19/2002
 FILE TIME: 13:41

POINT#	X	Y
1:	1.145	1.261
2:	0.594	-0.337
3:	0.217	-0.180
4:	-0.556	-1.491
5:	-0.298	-0.300
6:	-0.647	-0.119
7:	-0.605	0.054
8:	-0.131	0.077
9:	-0.185	0.446
10:	-0.504	0.310

X CENTROID: -0.097
 Y CENTROID: -0.028
 POA TO CENTROID: 0.101
 HORZ SPREAD: 1.792
 VERT SPREAD: 2.752
 GROUP SPREAD: 3.235
 MIN RADIUS: 0.110
 MAX RADIUS: 1.790
 MEAN RADIUS: 0.696
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 8



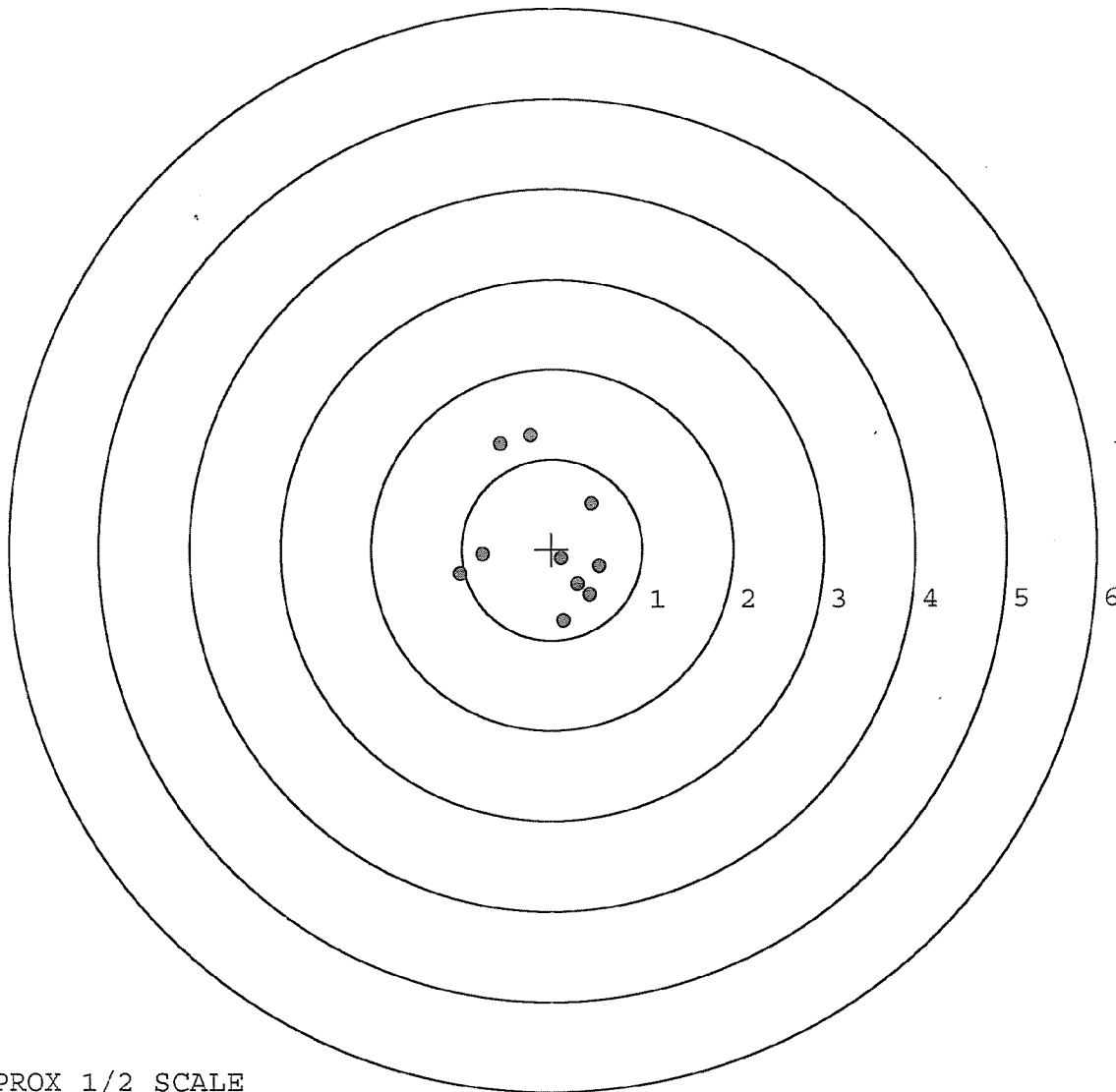
TARGET APPROX 1/2 SCALE

BARBER - M24 0147098

SERIAL NUMBER: G6236195. __0
 TARGET NUMBER: 5
 FILE DATE: 09/19/2002
 FILE TIME: 13:41

POINT#	X	Y
1:	0.128	-0.792
2:	0.419	-0.505
3:	0.524	-0.190
4:	0.106	-0.104
5:	0.440	0.504
6:	-0.234	1.266
7:	-0.571	1.171
8:	-0.770	-0.055
9:	-1.020	-0.270
10:	0.283	-0.389

X CENTROID: -0.069
 Y CENTROID: 0.064
 POA TO CENTROID: 0.094
 HORZ SPREAD: 1.544
 VERT SPREAD: 2.058
 GROUP SPREAD: 2.084
 MIN RADIUS: 0.243
 MAX RADIUS: 1.216
 MEAN RADIUS: 0.791
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. _____

DATE 9-16-02

TESTER TRW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.53	2.76	2.76	MIN. SETTING,
PULL #2	2.57	2.78	2.70	NO AVG. OF 5
PULL #3	2.38	2.77	2.62	READINGS ACCEPT-
PULL #4	2.59	2.66	2.65	ABLE LESS THAN 2
PULL #5	2.59	2.69	2.62	
TOTAL	12.66	13.66	13.35	
AVG.	2.53	2.73	2.67	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.42	3.28	
PULL #2	3.44	3.47	
PULL #3	3.26	3.42	
PULL #4	3.45	3.34	
PULL #5	3.32	3.18	
TOTAL	16.89	16.69	
AVG.	3.37	3.33	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURA
PULL #1	4.34	4.19		4.04
PULL #2	4.31	3.92		4.03
PULL #3	4.47	4.07		3.94
PULL #4	4.46	4.06		4.09
PULL #5	4.47	4.27		3.86
TOTAL	22.05	20.51		19.96
AVG.	4.41	4.10		3.99

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: **RE00107915** Serial: C6523329 Model M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 2/6/2006 8:16:52 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **HSC 3RD BN, 3RD SFG (A)** **HSC 3RD BN, 3RD SFG (A)**

Address 1: Address 2: PO Box: PO Box:

City: **FORT BRAGG** **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 Phone: NA Fax: Email: Comments:	Received Condition Fair Condition Notes: CSR Notes:	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>2</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Fit and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A007	With Stud	3	A010	Hard Case	2	A017	Scope Base	1	A057	Fit and Rear Sgt Base	1		
Code	Desc	Qty																	
A007	With Stud	3																	
A010	Hard Case	2																	
A017	Scope Base	1																	
A057	Fit and Rear Sgt Base	1																	

Repair Search Refresh Close

negletj 2/6/2006 8:40 AM CAPS NUM INS SCRL

start Inbox - Microsoft Out... updated turn in proce... Arms Services Repair... 8:40 AM

~~NA: 107915~~

~~Serial Number: C6523329~~

Model: M24 SWS



RE00107915

C6236195

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523329.___0
FILE DATE AND TIME: 02/15/2006 05:07

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

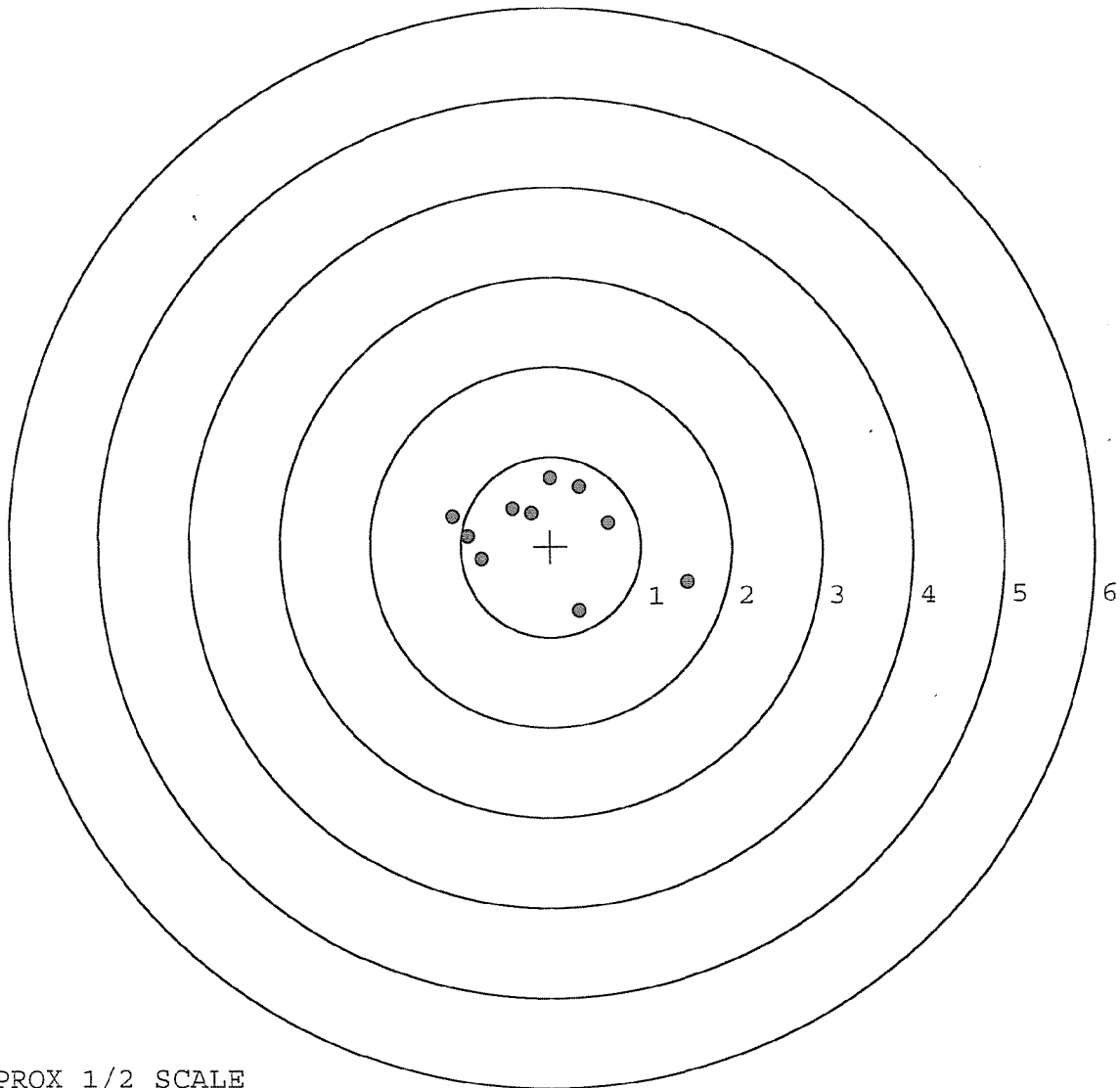
The Average X Centroid of the Five Target Set:	-0.063
The Average Y Centroid of the Five Target Set:	0.070
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.734
The Distance from POA to Centroid Target #1:	0.176
The Distance from Centroid Target #2 to Centroid Target #1:	0.062
The Distance from Centroid Target #3 to Centroid Target #1:	0.171
The Distance from Centroid Target #4 to Centroid Target #1:	0.296
The Distance from Centroid Target #5 to Centroid Target #1:	0.076

BARBER - M24 0147102

SERIAL NUMBER: C6523329. __0
TARGET NUMBER: 1
FILE DATE: 02/15/2006
FILE TIME: 05:07

POINT#	X	Y
1:	1.511	-0.413
2:	0.641	0.260
3:	0.320	-0.717
4:	0.324	0.660
5:	0.005	0.763
6:	-0.213	0.373
7:	-0.417	0.425
8:	-0.769	-0.144
9:	-0.925	0.115
10:	-1.083	0.334

X CENTROID: -0.061
Y CENTROID: 0.166
POA TO CENTROID: 0.176
HORZ SPREAD: 2.594
VERT SPREAD: 1.480
GROUP SPREAD: 2.699
MIN RADIUS: 0.257
MAX RADIUS: 1.675
MEAN RADIUS: 0.794
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0147103

SERIAL NUMBER: C6523329. 0

TARGET NUMBER: 2

FILE DATE: 02/15/2006

FILE TIME: 05:07

POINT#	X	Y
1:	-0.013	-1.161
2:	-0.236	-0.682
3:	0.579	0.282
4:	-0.020	-0.047
5:	-0.538	0.403
6:	-0.275	0.329
7:	-0.272	0.614
8:	0.084	0.505
9:	0.514	1.487
10:	-0.220	0.508

X CENTROID: -0.040

Y CENTROID: 0.224

POA TO CENTROID: 0.227

HORZ SPREAD: 1.117

VERT SPREAD: 2.648

GROUP SPREAD: 2.700

MIN RADIUS: 0.258

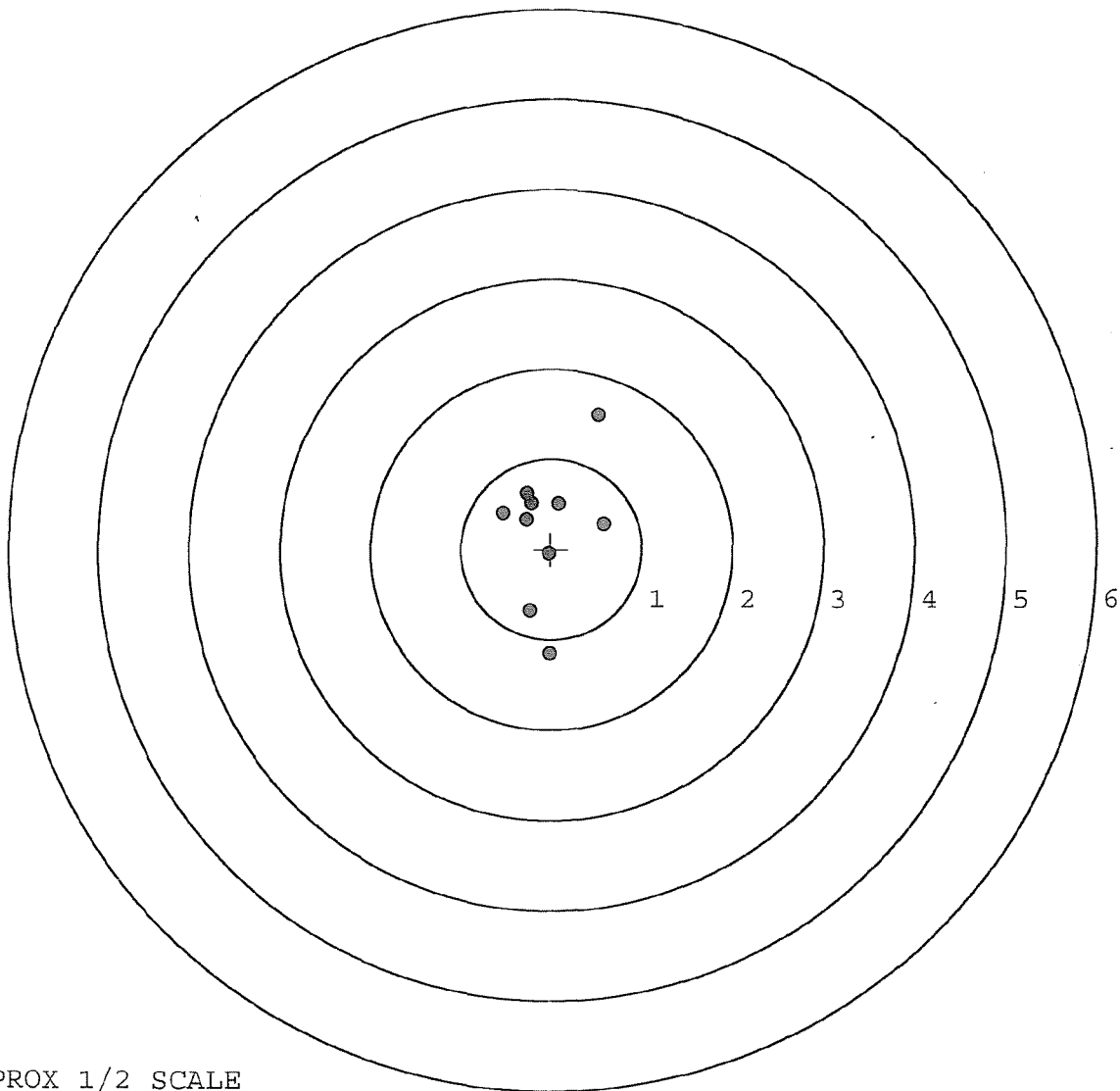
MAX RADIUS: 1.385

MEAN RADIUS: 0.647

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0147104

SERIAL NUMBER: C6523329. __0

TARGET NUMBER: 3

FILE DATE: 02/15/2006

FILE TIME: 05:07

POINT#	X	Y
1:	0.878	0.378
2:	0.416	0.534
3:	0.143	1.307
4:	0.324	-0.231
5:	0.054	-0.966
6:	-0.106	-0.172
7:	-0.242	0.142
8:	-0.516	-1.089
9:	-1.168	-0.359
10:	-0.833	0.458

X CENTROID: -0.105

Y CENTROID: 0.000

POA TO CENTROID: 0.105

HORZ SPREAD: 2.046

VERT SPREAD: 2.396

GROUP SPREAD: 2.485

MIN RADIUS: 0.172

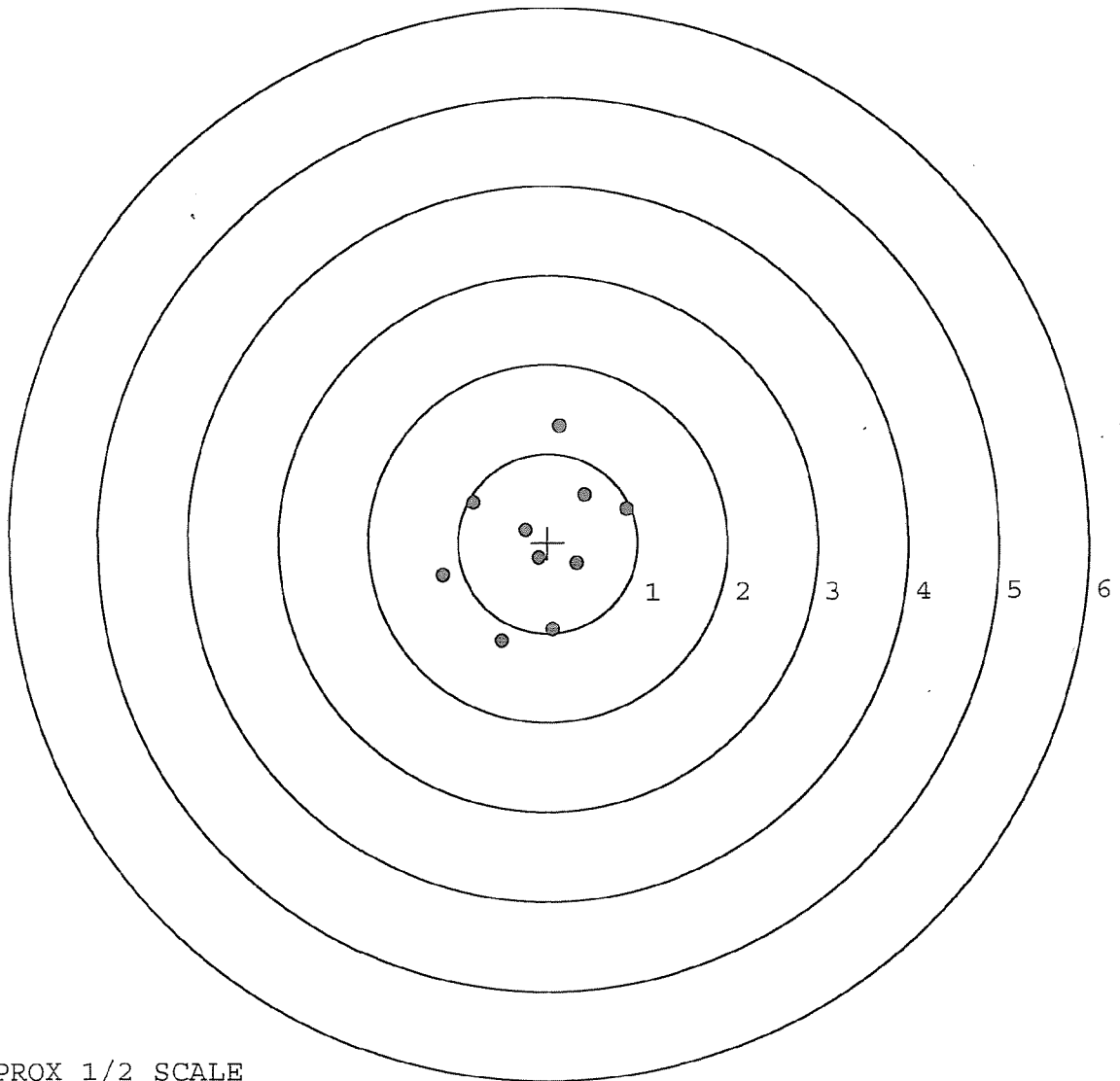
MAX RADIUS: 1.330

MEAN RADIUS: 0.811

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



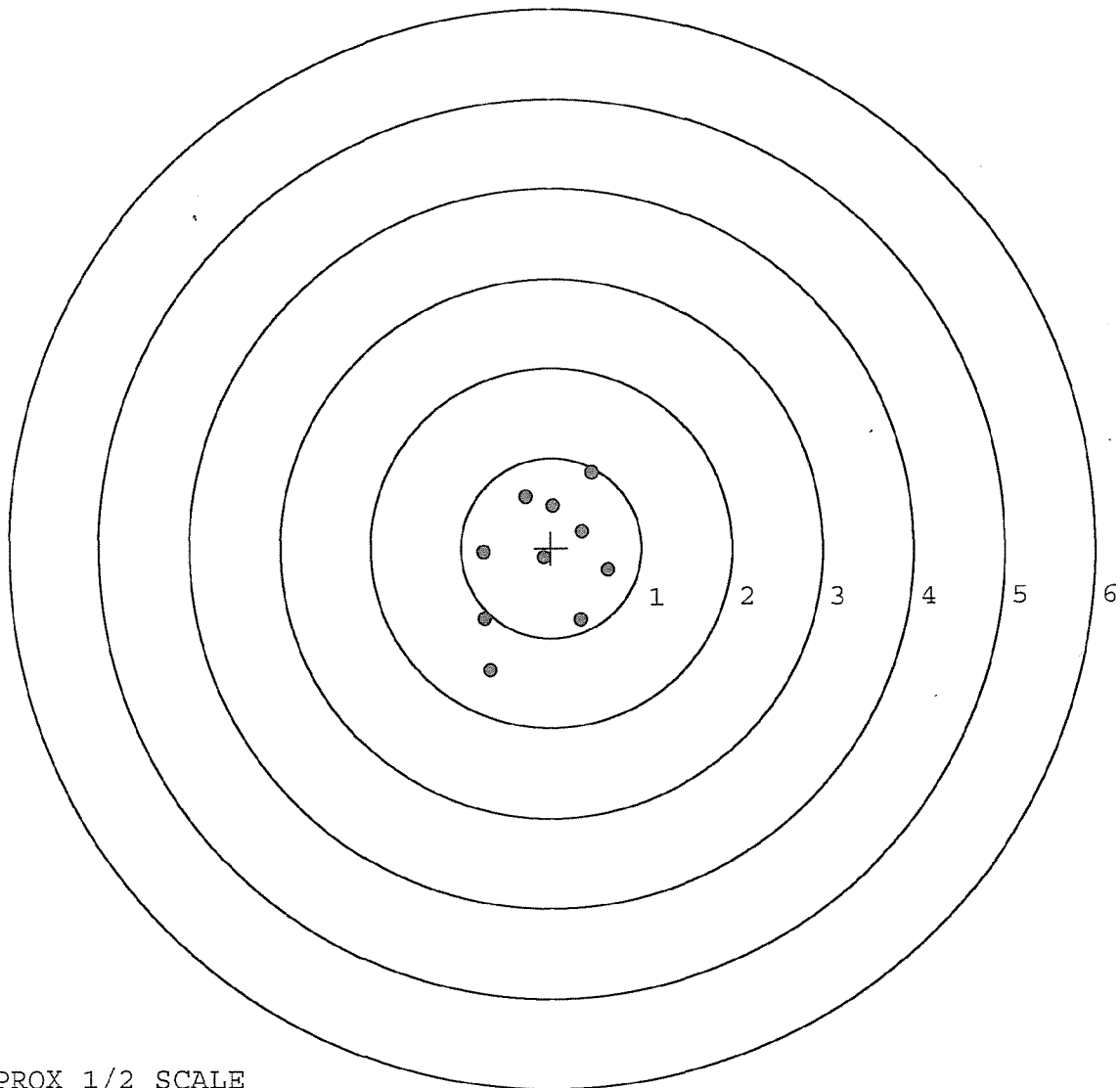
TARGET APPROX 1/2 SCALE

BARBER - M24 0147105

SERIAL NUMBER: C6523329. __0
 TARGET NUMBER: 4
 FILE DATE: 02/15/2006
 FILE TIME: 05:07

POINT#	X	Y
1:	-0.674	-1.360
2:	-0.737	-0.792
3:	-0.753	-0.053
4:	0.331	-0.804
5:	0.633	-0.250
6:	0.348	0.185
7:	-0.086	-0.107
8:	0.029	0.469
9:	-0.277	0.572
10:	0.447	0.834

X CENTROID: -0.074
 Y CENTROID: -0.131
 POA TO CENTROID: 0.150
 HORZ SPREAD: 1.386
 VERT SPREAD: 2.194
 GROUP SPREAD: 2.464
 MIN RADIUS: 0.027
 MAX RADIUS: 1.368
 MEAN RADIUS: 0.748
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



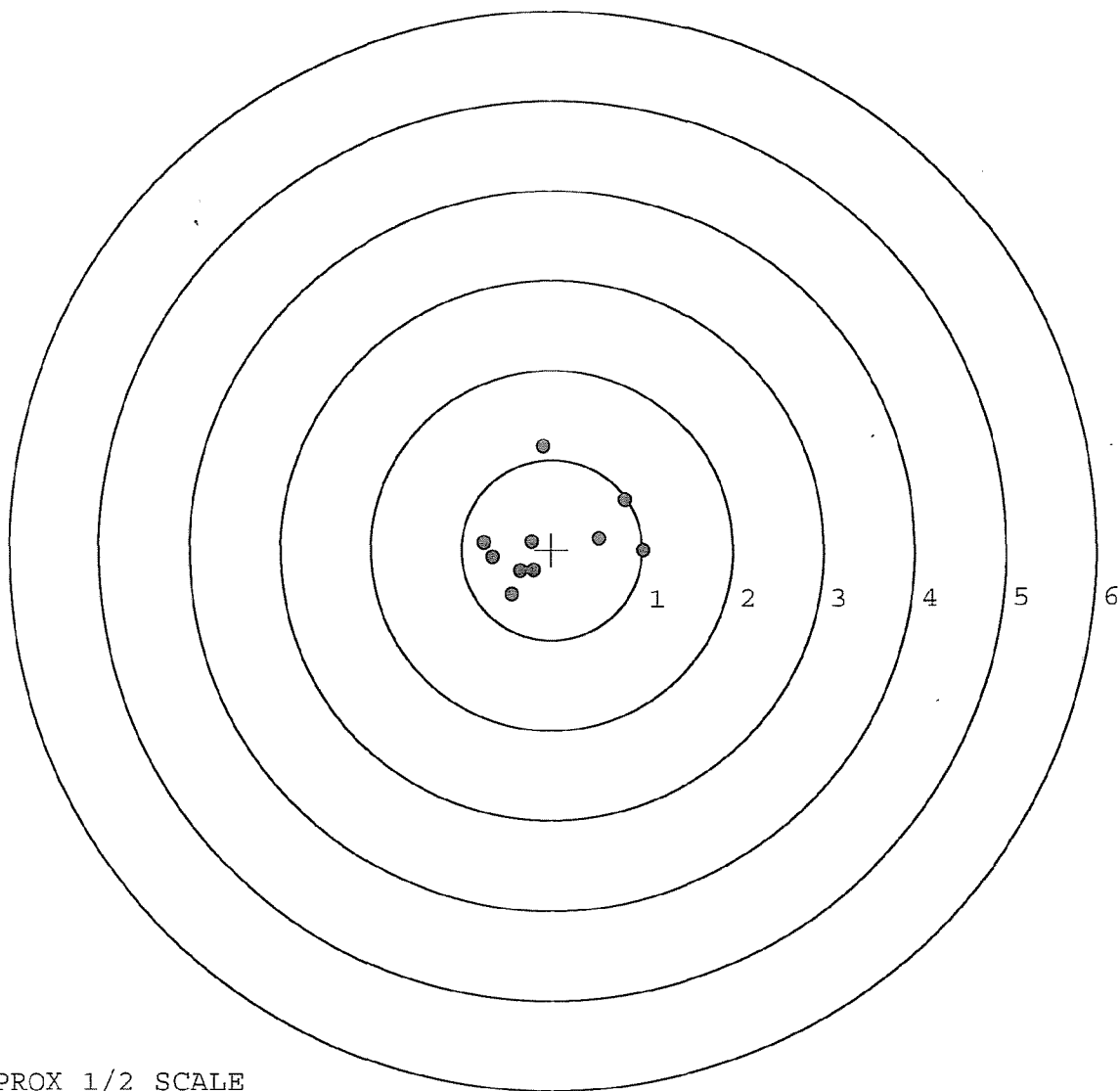
TARGET APPROX 1/2 SCALE

BARBER - M24 0147106

SERIAL NUMBER: C6523329. __0
 TARGET NUMBER: 5
 FILE DATE: 02/15/2006
 FILE TIME: 05:07

POINT#	X	Y
1:	1.008	-0.016
2:	0.528	0.121
3:	0.808	0.551
4:	-0.091	1.147
5:	-0.205	-0.228
6:	-0.217	0.087
7:	-0.443	-0.497
8:	-0.743	0.085
9:	-0.657	-0.081
10:	-0.353	-0.238

X CENTROID: -0.036
 Y CENTROID: 0.093
 POA TO CENTROID: 0.100
 HORZ SPREAD: 1.751
 VERT SPREAD: 1.644
 GROUP SPREAD: 1.681
 MIN RADIUS: 0.181
 MAX RADIUS: 1.055
 MEAN RADIUS: 0.670
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	107915		
SERIAL NUMBER	06523329		
LOG-IN DATE	2-6-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-6-06	RTJ
505	RE-BARREL	2-8-06	RTJ
560	ASSEMBLE	2-8-06	RTJ
600	PROOF	2-8-06	RTJ
605	CHECK HEADSPACE	2-8-06	RTJ
610	DIS-ASSEMBLE GUN	2-8-06	RTJ
612	MAGNAFLUX	2/9/06	WMB
510	DRILL AND TAP	2-9-06	TRW
615	ROLLMARK CALIBER	2-10-06	CW
618	ROTO-BLAST	2-10	LB
620	APPLY COATINGS	2/14/06	RB
625	FINAL ASSEMBLY	2-14-06	AC
640	FUNCTION TEST AND	PASS FAIL	2-15-06 TRW
650	TARGET	PASS FAIL	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	2-15-06	AC
	A) HEADSPACE	PASS FAIL	2-15-06 AC
	B) TRIGGER PULL		AC
680	F) SAFETY ON FORCE	4 lbs 4 lbs 4 lbs	AC
	G) SAFETY OFF FORCE	3 lbs 3 lbs 3 lbs	AC
	I) FIRING PIN INDENT	.021 .021 .021	AC
690	PACK		22400 1879

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: **RE00009447** Serial: **C6523329** Model **700** Center Fire Caliber: **7.62 NATO M-24 (SWS)** Repairman: Status: **New 5/18/00 2:36:17 PM**

Verify Repair

Address Information

Customer: **Received From** Return To: **Received From**

Name: **HSC 3RD BN, 3RD SFG (A)** **HSC 3RD BN, 3RD SFG (A)**

Address 1:

Address 2: **PO Box:**

City: **FORT BRAGG** **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

Phone:

Fax:

Email:

Comments:

Received Condition

Condition: **Poor**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
A008	With Swivel	2
A010	Hard Case	1
A017	Scope Base	1

Repair Search **Refresh** **Close**

nagletj 5/18/00 3:03 PM CAPS NUM INS SCRL

Start Inb... Micr... SA... Nag... Audit R&... Ar... RE... Prin... 3:03 PM

Serial Number: **C6523329**

Model: **700**



RE00009447

96003 - BBL

BARBER - M24 0147109

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6523329

8 Sep 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0472

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1726

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .178937

THE AMR FOR THIS RIFLE IS: 1.493

CENTROIDAL DISTANCES

0 TO 1	.396869
1 TO 2	.171479
1 TO 3	.320894
1 TO 4	.367555
1 TO 5	1.96633

1 2
4 3
+ <----POA

5

BARBER - M24 0147110

REMINGTON CENTERFIRE ACCURACY TEST

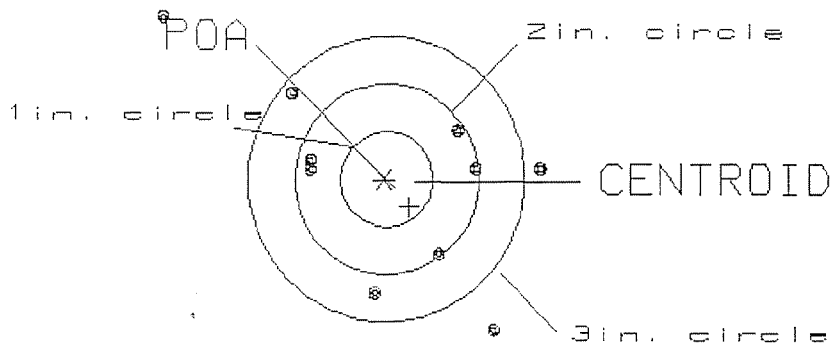
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 1
 POA TO CENTROID: .397
 MIN RADIUS : .795
 MEAN RADIUS : 1.355
 MAX RADIUS : 2.967
 CENTROID X : -.272
 CENTROID Y : .289

8 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c5523329

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.08
 VS= 3.30
 GS= 4.86

0
 5
 7

BARBER - M24 0147111

REMINGTON CENTERFIRE ACCURACY TEST

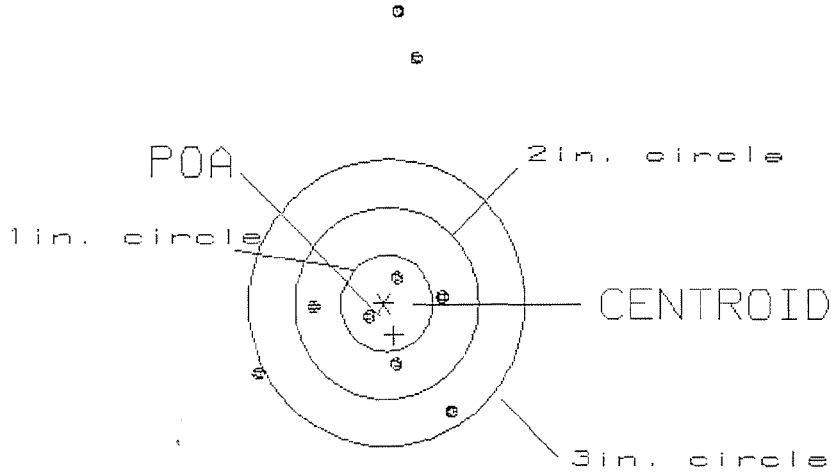
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 2
 POA TO CENTROID: .348
 MIN RADIUS : .261
 MEAN RADIUS : 1.448
 MAX RADIUS : 3.275
 CENTROID X : -.106
 CENTROID Y : .332

8 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c5523329

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.08
 VS= 6.29
 GS= 6.30

2
 5
 6

BARBER - M24 0147112

REMINGTON CENTERFIRE ACCURACY TEST

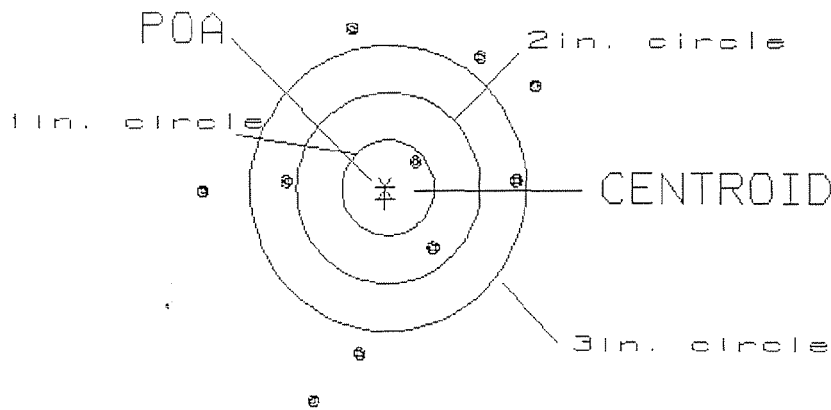
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 3
 POA TO CENTROID: .127
 MIN RADIUS : .397
 MEAN RADIUS : 1.522
 MAX RADIUS : 2.378
 CENTROID X : .005
 CENTROID Y : .127

8 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523329

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.56
 VS= 3.92
 GS= 4.12

1
 2
 4

BARBER - M24 0147113

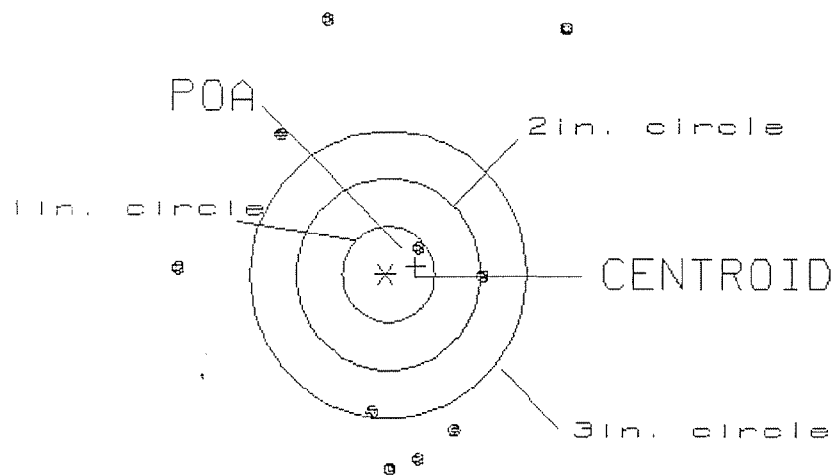
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 4
POA TO CENTROID: .332
MIN RADIUS : .398
MEAN RADIUS : 1.866
MAX RADIUS : 3.228
CENTROID X : -.323
CENTROID Y : -.075

8 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523329

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 4.25

1

VS= 4.63

2

GS= 4.95

3

BARBER - M24 0147114

REMINGTON CENTERFIRE ACCURACY TEST

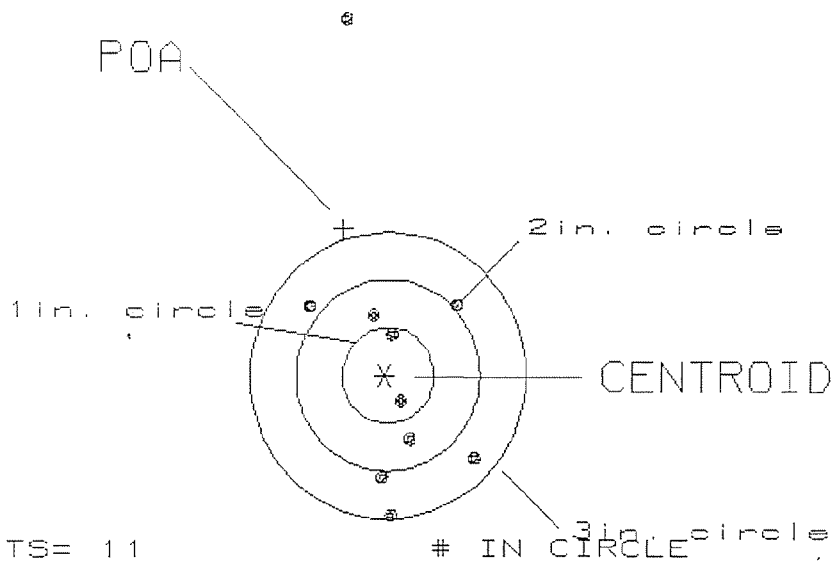
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5
 POA TO CENTROID: 1.604
 MIN RADIUS : .270
 MEAN RADIUS : 1.276
 MAX RADIUS : 3.757
 CENTROID X : .460
 CENTROID Y : -1.536

9 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523329

CENTERFIRE PATTERN # 5



BARBER - M24 0147115

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6523329
11 Sep 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .165
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0336
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .168386

THE AMR FOR THIS RIFLE IS: 1.238

CENTROIDAL DISTANCES

0 TO	1	.139058
1 TO	2	.307846
1 TO	3	.220952
1 TO	4	.163294
1 TO	5	.582168

1 4^B
+ 2 <----POA
5

BARBER - M24 0147116

REMINGTON CENTERFIRE ACCURACY TEST

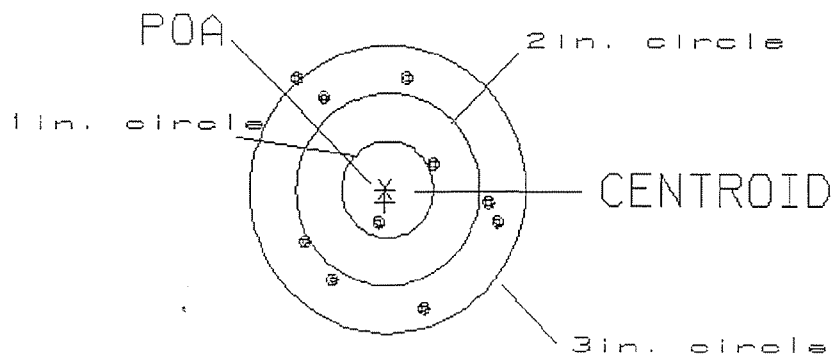
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 1
 POA TO CENTROID: .139
 MIN RADIUS : .406
 MEAN RADIUS : 1.066
 MAX RADIUS : 1.517
 CENTROID X : .004
 CENTROID Y : .139

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523329.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.15

1

VS= 2.46

2

GS= 2.80

9

BARBER - M24 0147117

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .268

MIN RADIUS : .453

MEAN RADIUS : 1.422

MAX RADIUS : 2.598

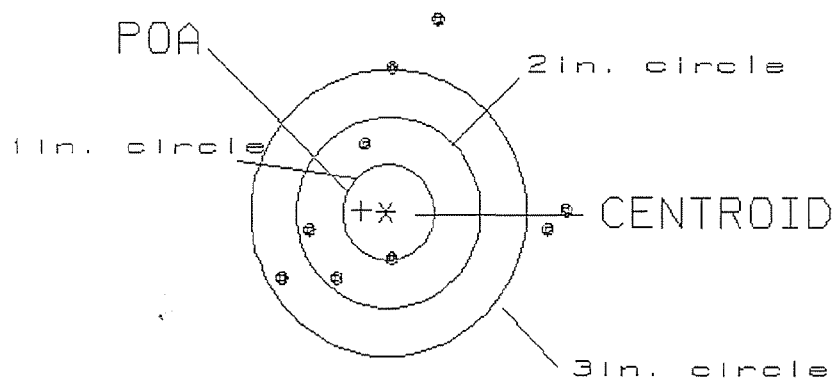
CENTROID X : .267

CENTROID Y : -.021

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c5523329.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.31

1

VS= 4.20

4

GS= 4.69

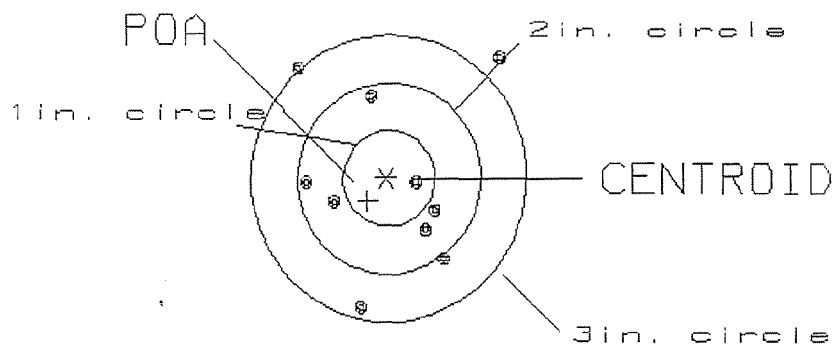
5

PATTERN #: 3
 POA TO CENTROID: .313
 MIN RADIUS : .344
 MEAN RADIUS : .985
 MAX RADIUS : 1.776
 CENTROID X : .200
 CENTROID Y : .241

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523329.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.20

1

VS= 2.59

6

GS= 3.01

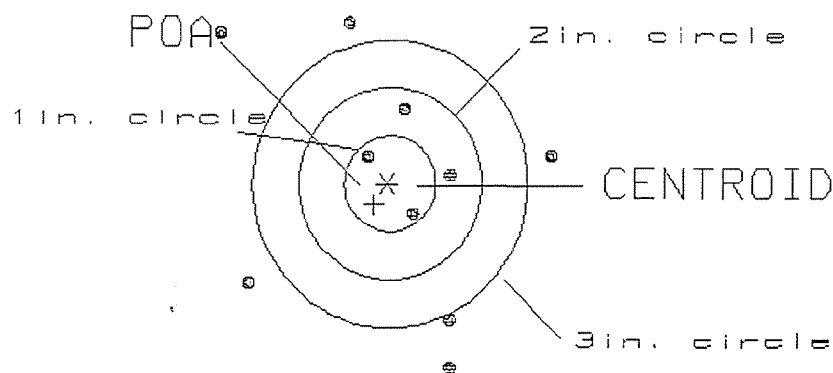
8

PATTERN #: 4
 POA TO CENTROID: .262
 MIN RADIUS : .373
 MEAN RADIUS : 1.354
 MAX RADIUS : 2.462
 CENTROID X : .148
 CENTROID Y : .216

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523329.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.60

2

VS= 3.60

4

GS= 4.34

4

PATTERN #: 050

POA TO CENTROID: .456

MIN RADIUS : .085

MEAN RADIUS : 1.362

MAX RADIUS : 2.813

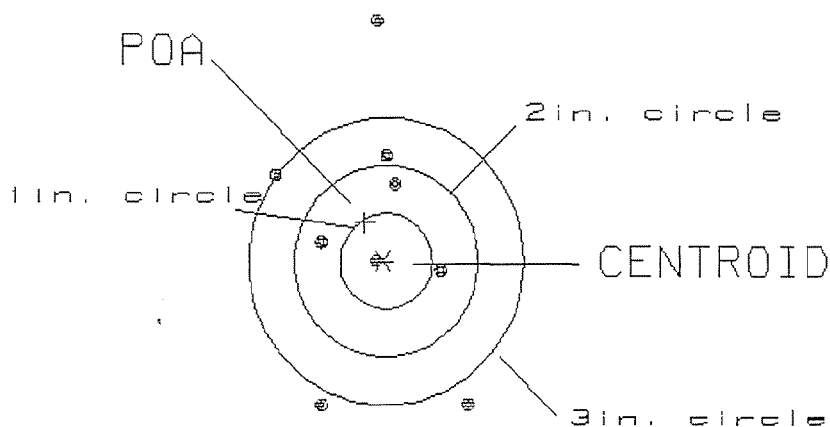
CENTROID X : .206

CENTROID Y : -.407

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523329.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.62

1

VS= 4.99

4

GS= 5.21

5

Final Inspection

Sr: C6523329 DATE REC'D: 5-12-00 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:

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6522329

DATE 6-10-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.32	2.68		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.27	2.78		
PULL #3	2.38	2.29	2.87		
PULL #4	2.50	2.32	2.80		
PULL #5	2.45	2.35	2.80		
TOTAL	12.21	11.55	13.93		
AVG.	2.44	2.31	2.78		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.40		
PULL #2	3.34	3.33		
PULL #3	3.32	3.34		
PULL #4	3.32	3.38		
PULL #5	3.42	3.40		
TOTAL	16.69	16.85		
AVG.	3.33	3.37		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.00		4.03
PULL #2	4.04	4.00		4.07
PULL #3	4.00	4.06		4.17
PULL #4	4.05	3.99		4.02
PULL #5	4.19	3.87		4.03
TOTAL	20.38	19.92		20.32
AVG.	4.07	3.98		4.06

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522329
16 Apr 1968

CENTROIDAL DISTANCES

0 TO	1	.162693
1 TO	2	.213009
1 TO	3	.174734
1 TO	4	.138827
1 TO	5	.249062

45 -----POA

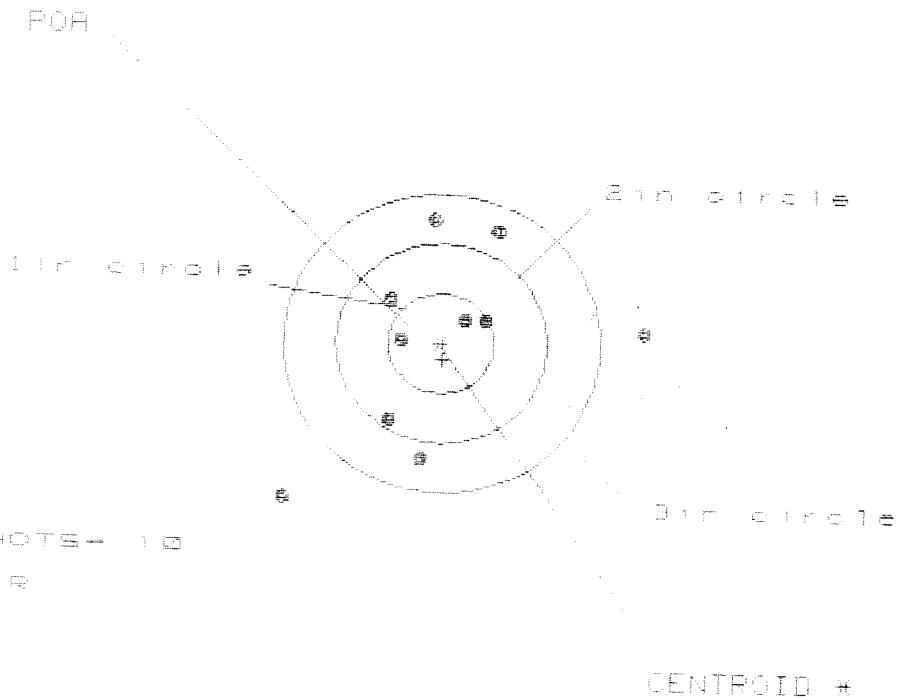
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0322
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2368
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .237838
THE AMP FOR THIS RIFLE IS: 1.005

15 APR 1968

FILE:/PATTERNING/CENTERFIRE_PATT/08528329

CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIR

1in = 3

2in = 5

3in = 8

HO = 3.420

CO = 2.765

GO = 3.887

PATTERN #

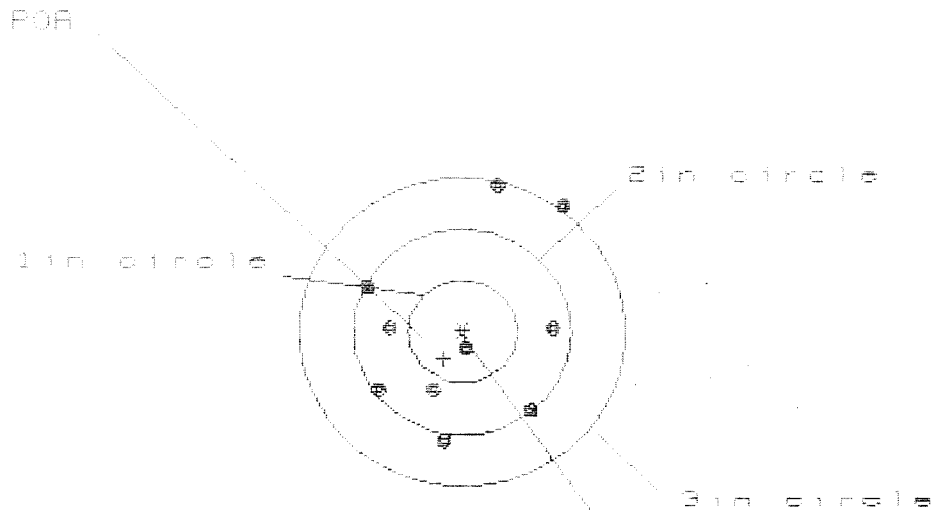
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.951	1.788	.596
MINIMUM X	-1.469	-1.659	-1.436
MAXIMUM Y	1.226	1.055	1.051
MINIMUM Y	-1.539	-1.389	-1.313
CENTROID X	-.015	.148	-.075
CENTROID Y	.162	.333	.337
POA TO CENTROID in.	.162	.364	.346
MIN RADIUS	.326	.108	.250
MEAN RADIUS	1.040	.886	.759
MAX RADIUS	2.128	1.788	1.320
HORIZONTAL SPREAD	3.420	2.447	1.802
VERTICAL SPREAD	2.765	2.364	2.364
EXTREME SPREAD	3.887	2.588	2.367
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

16 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06522329

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 2

US= 1.868

VS= 2.480

GS= 2.544

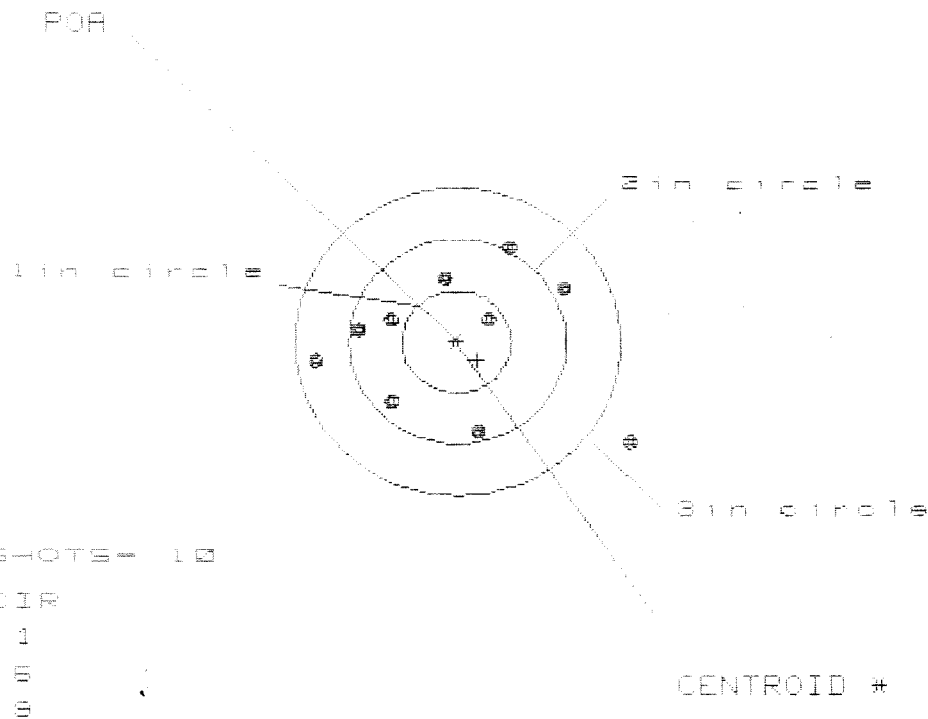
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.971	.929	.981
MINIMUM X	-.897	-.789	-.737
MAXIMUM Y	1.411	1.547	.758
MINIMUM Y	-1.069	-.933	-.740
CENTROID X	.172	.064	.013
CENTROID Y	.264	.128	-.065
POA TO CENTROID in.	.315	.143	.066
MIN RADIUS	.141	.160	.290
MEAN RADIUS	.931	.826	.698
MAX RADIUS	1.560	1.600	1.064
HORIZONTAL SPREAD	1.868	1.718	1.718
VERTICAL SPREAD	2.480	2.480	1.498
EXTREME SPREAD	2.544	2.519	1.926
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

16 Apr 1968

FILE: \PATTERNING\CENTERFIRE_PATT\06522323

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 5

HS= 2.810

VS= 1.887

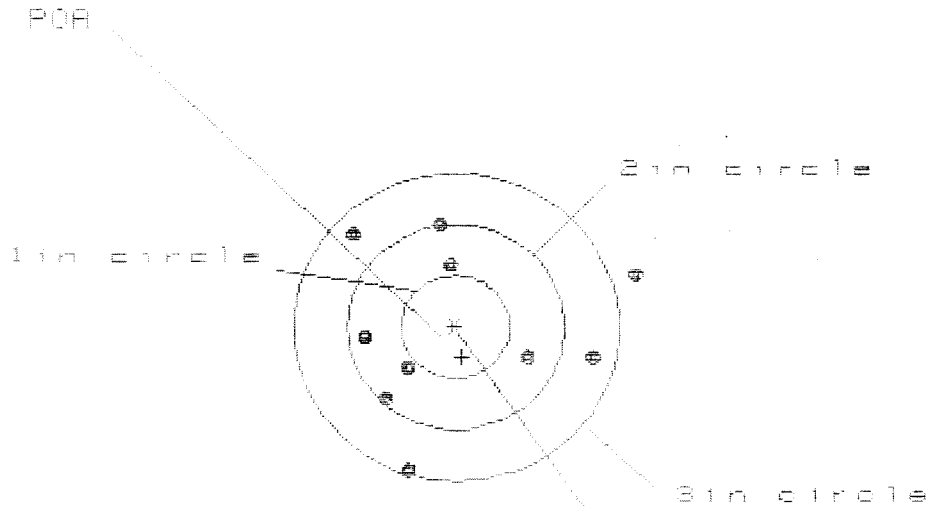
GS= 2.917

PATTERN #	10	5	8
SHOTS (BEST OF)	10	5	8
MAXIMUM X	1.544	1.173	1.036
MINIMUM X	-1.266	-1.094	-.874
MAXIMUM Y	.934	.827	.792
MINIMUM Y	-.960	-.948	-.983
CENTROID X	-.189	-.361	-.224
CENTROID Y	.178	.285	.320
POA TO CENTROID in.	.259	.459	.391
MIN RADIUS	.350	.469	.336
MEAN RADIUS	.957	.833	.788
MAX RADIUS	1.820	1.247	1.106
HORIZONTAL SPREAD	2.810	2.267	1.910
VERTICAL SPREAD	1.897	1.775	1.775
EXTREME SPREAD	2.917	2.375	1.972
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

16 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6522829

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 5

HS= 2.672

VS= 2.336

GS= 2.866

CENTROID #

PATTERN #	4	5	6
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.683	1.403	1.366
MINIMUM X	-.990	-.603	-.840
MAXIMUM Y	.986	1.044	.883
MINIMUM Y	-1.350	-1.292	-.776
CENTROID X	-.058	-.245	-.208
CENTROID Y	.294	.236	.397
POA TO CENTROID in.	.300	.340	.448
MIN RADIUS	.592	.420	.572
MEAN RADIUS	1.049	.941	.889
MAX RADIUS	1.762	1.431	1.436
HORIZONTAL SPREAD	2.672	2.206	2.206
VERTICAL SPREAD	2.336	2.336	1.659
EXTREME SPREAD	2.866	2.547	2.547
NUMBER IN ONE INCH CIRCLE =	0	0	0
NUMBER IN TWO INCH CIRCLE =	6	6	6
NUMBER IN THREE INCH CIRCLE =	9	9	9

18 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6522329

CENTERFIRE PATTERNS # 5

POR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.334

VS = 3.157

GS = 3.197

CENTROID #

PATTERN #	1	5	9
SHOTS (BEST OF)	10		8
MAXIMUM X	.982	.855	.861
MINIMUM X	-1.432	-1.476	-1.473
MAXIMUM Y	1.488	1.303	1.007
MINIMUM Y	-1.669	-1.225	-1.062
CENTROID X	.201	.247	.242
CENTROID Y	.286	.471	.308
POR TO CENTROID in.	.350	.532	.392
MIN RADIUS	.126	.168	.081
MEAN RADIUS	1.049	.950	.899
MAX RADIUS	1.720	1.580	1.525
HORIZONTAL SPREAD	2.334	2.334	2.334
VERTICAL SPREAD	3.157	2.528	2.069
EXTREME SPREAD	3.197	2.551	2.386
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6522329

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. #	BARBER - M24 0147132 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7 1/4			6/24/96	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			6/24/96	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	2.53	2.57	2.72	2.62	2.57	6/20/96	WB
	C) Function							
660	Pack							

GFM

CONTRACT # DAAA21-87-C-0086

*Repair*GUN SERIAL # *C6523329* *New Barrel*

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		<i>2/4/93</i>	<i>RW</i>
600	Proof		<i>2/4/93</i>	<i>RW</i>
607	Check Headspace		<i>2/4/93</i>	<i>RW</i>
610	Dis-assemble Gun		<i>2/4/93</i>	<i>RW</i>
612	Magnaflux Barrel Action		<i>2/5/93</i>	<i>CL</i>
	Magnaflux Bolt			
615	Rollmark Caliber		<i>2/5/93</i>	<i>CL</i>
617	Drill and Tap Sight Holes		<i>2/5/93</i>	<i>BT</i>
618	Polish Barrel		<i>2/5/93</i>	<i>BT</i>
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		<i>2/9/93</i>	<i>RW</i>
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		<i>2/9/93</i>	<i>RW</i>
	C) Inspect Ejector Hole for Chamfer		<i>2/9/93</i>	<i>RW</i>
	D) Oil Firing Pin Ass'y		<i>2/9/93</i>	<i>RW</i>
	E) Adjust Trigger Pull to Min Setting and Stake		<i>2/9/93</i>	<i>RW</i>

BARBER - M24 0147134

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	4.5	5			2/9/93	RW
	G) Safety Off Force	3	2.5	2.5			2/9/93	RW
	H) Trigger Pull Test & Retainability						2/9/93	RW
	I) Firing Pin Indent	.021	.022	.021			2/9/93	RW
	J) Assemble Stock						2/9/93	RW
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						2/9/93	RW
	M) Iron Sight Alignment						2/9/93	RW
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle						2/9/93	RW
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						3/2/93	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						3/2/93	RW
655	Final Inspection							
	A) Headspace						3/5/93	RW
	B) Trigger Pull	2.60	2.57	2.59	2.57	2.57	3/5/93	RW
	C) Function						3/5/93	RW
660	Pack							

Check
Ejector

New Trigger Assy

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523329

DATE 2/9/93

TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.62	2.66	2.81	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.61	2.58	2.81	
PULL #3	2.63	2.60	2.81	
PULL #4	2.63	2.58	2.79	
PULL #5	2.65	2.59	2.79	
TOTAL	13.14	13.01	14.01	
AVG.	2.63	2.60	2.80	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.17	3.09	
PULL #2	3.14	3.17	
PULL #3	3.11	3.09	
PULL #4	3.12	3.11	
PULL #5	3.12	3.14	
TOTAL	15.66	15.60	
AVG.	3.13	3.12	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.29		4.31
PULL #2	4.29	4.32		4.27
PULL #3	4.30	4.28		4.28
PULL #4	4.28	4.29		4.25
PULL #5	4.32	4.29		4.27
TOTAL	21.50	21.47		21.38
AVG.	4.30	4.29		4.28

RECEIVING BARBER M24 0147176

COMMENTS

ORDER

R 93-02451

INITIAL CUSTOMER ORDER NO.

MOG 4 OF 30 W/10X SCOPE & DEPLOYMENT KIT
M24

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
01/25/93	01/25/93	EK 10-90	06523329		700 7-62 NATO
ACCESSORIES W/STUDS W/SWIVELS SOFT CASE SCOPE BASE					

FROM:

SHIP TO:

MCHALE, EDWARD J CPT,SF
HSC 3RD BN 3RD SFG (A)
FT BRAGG NC 28307MCHALE, EDWARD J CPT,SF
HSC 3RD BN 3RD SFG (A)
FT BRAGG NC 28307

L

CUST NO: 073985 C.O.D L

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE	CLEAN/TEST	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			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

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

RD6925 REV. 1/92

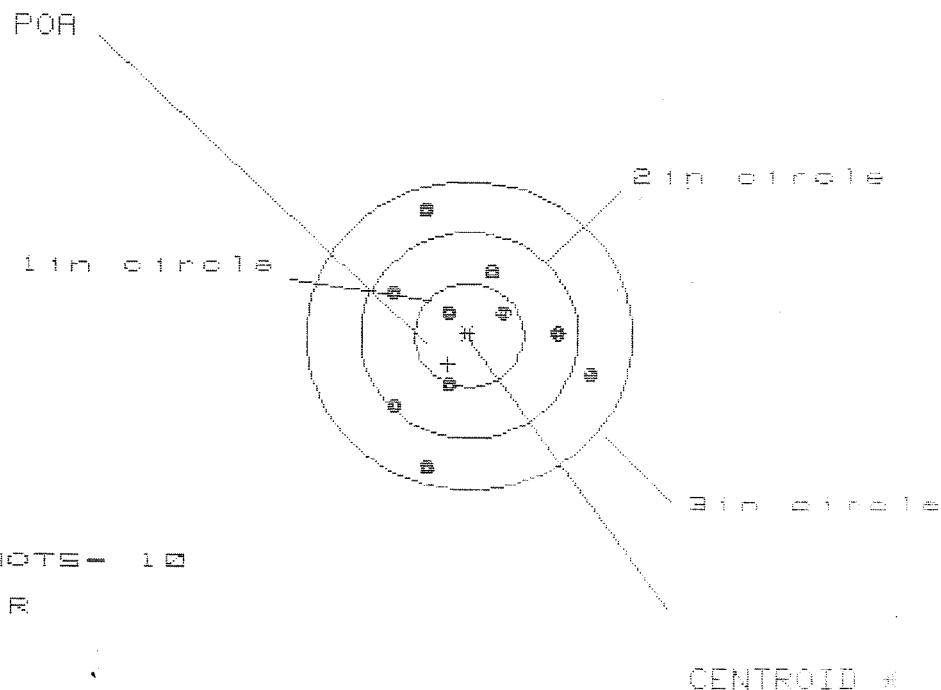
CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0147176

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/08929329

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.854

VS= 2.543

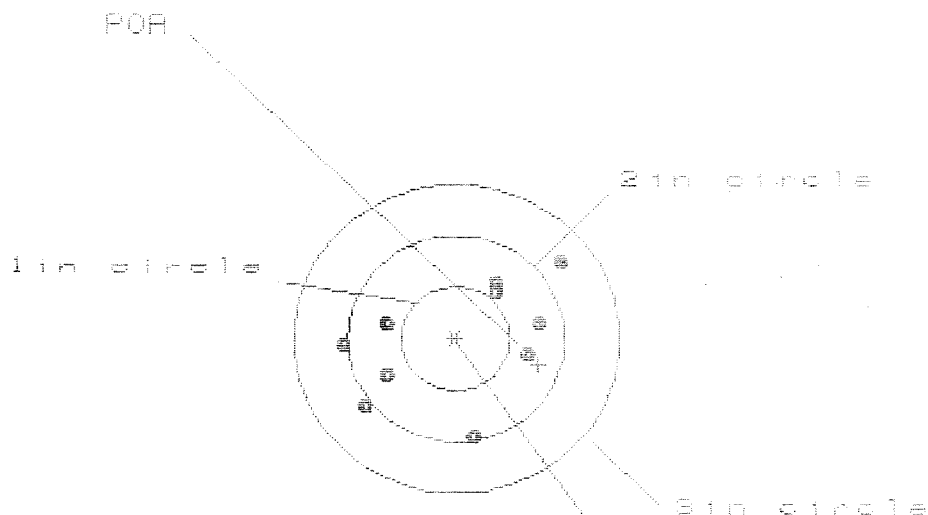
GS= 2.543

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.149	1.110	1.055
MINIMUM X	-1.705	-1.744	-1.799
MAXIMUM Y	1.235	1.039	.640
MINIMUM Y	-1.300	-.826	-.689
CENTROID X	.187	.226	.281
CENTROID Y	.279	.425	.288
POR TO CENTROID in.	.336	.481	.402
MIN RADIUS	.336	.242	.278
MEAN RADIUS	.836	.756	.709
MAX RADIUS	1.354	1.210	1.111
HORIZONTAL SPREAD	1.854	1.854	1.854
VERTICAL SPREAD	2.543	1.915	1.329
EXTREME SPREAD	2.543	2.205	1.992
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/08583323

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 7

3 in = 10

HS = 1.963

VS = 1.682

GS = 2.236

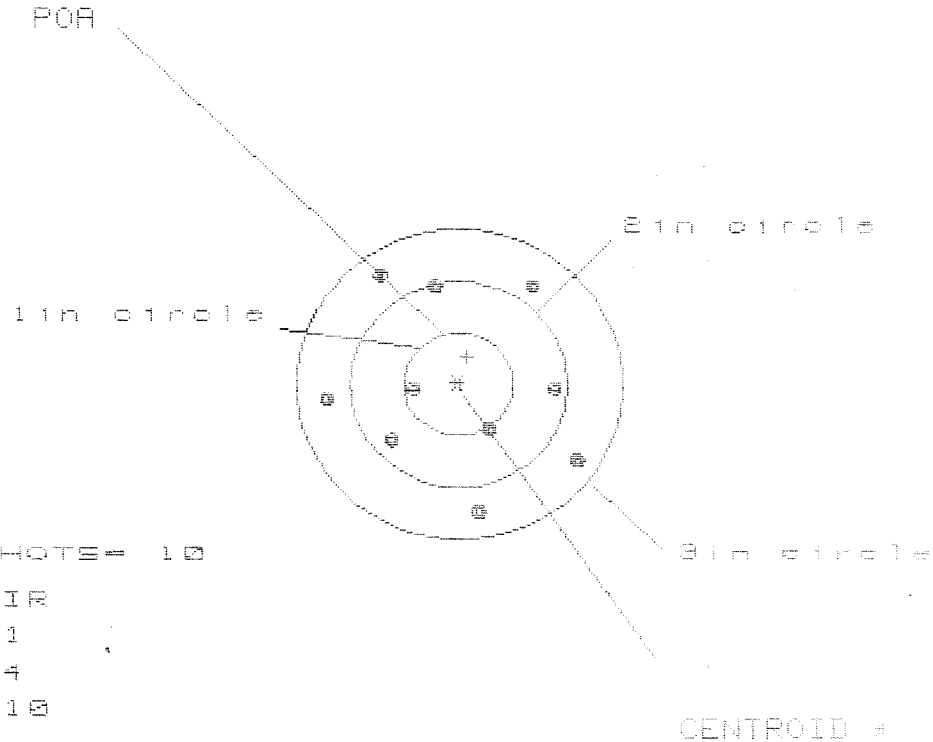
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.933	.876	.781
MINIMUM X	-1.030	-.926	-1.021
MAXIMUM Y	.714	.667	.600
MINIMUM Y	-.968	-.889	-.956
CENTROID X	-.761	-.865	-.770
CENTROID Y	.251	.172	.239
POA TO CENTROID in.	.802	.882	.807
MIN RADIUS	.601	.551	.616
MEAN RADIUS	.828	.786	.757
MAX RADIUS	1.175	.931	1.024
HORIZONTAL SPREAD	1.963	1.802	1.802
VERTICAL SPREAD	1.682	1.556	1.556
EXTREME SPREAD	2.236	1.823	1.823
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C8523329

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS = 2.356

VS = 2.336

ES = 2.536

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.105	1.006	.937
MINIMUM X	-1.251	-1.128	-1.197
MAXIMUM Y	1.112	1.034	1.053
MINIMUM Y	-1.224	-1.302	-1.172
CENTROID X	-.081	-.204	-.135
CENTROID Y	-.265	-.187	-.317
POA TO CENTROID in.	.277	.277	.344
MIN RADIUS	.394	.297	.336
MEAN RADIUS	.987	.942	.900
MAX RADIUS	1.306	1.346	1.204
HORIZONTAL SPREAD	2.356	2.134	2.134
VERTICAL SPREAD	2.336	2.336	2.225
EXTREME SPREAD	2.536	2.501	2.266
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/08523323

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 9

3 in = 10

HE = 1.847

VE = 1.565

GE = 2.042

PATTERN #

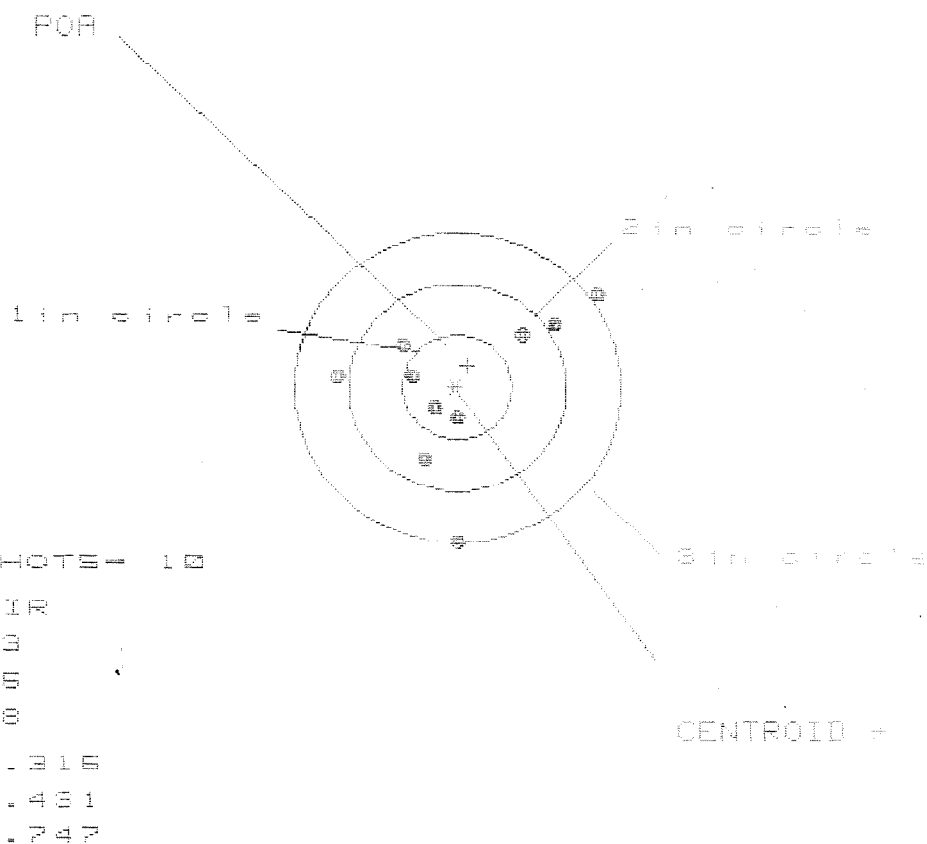
4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.899	.782	.496
MINIMUM X	-1.048	-.660	-.562
MAXIMUM Y	.895	.869	.913
MINIMUM Y	-.670	-.696	-.652
CENTROID X	-.033	.084	-.014
CENTROID Y	-.444	-.418	-.462
POA TO CENTROID in.	.446	.426	.462
MIN RADIUS	.176	.277	.198
MEAN RADIUS	.645	.505	.548
MAX RADIUS	1.075	.968	.938
HORIZONTAL SPREAD	1.947	1.442	1.061
VERTICAL SPREAD	1.565	1.565	1.565
EXTREME SPREAD	2.042	1.760	1.760
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/06523329

CENTERFIRE PATTERNS # 5



PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.252
MINIMUM X	-1.064
MAXIMUM Y	.893
MINIMUM Y	-1.538
CENTROID X	-.097
CENTROID Y	-.209
POA TO CENTROID in.	.230
MIN RADIUS	.245
MEAN RADIUS	.842
MAX RADIUS	1.539
HORIZONTAL SPREAD	2.316
VERTICAL SPREAD	2.431
EXTREME SPREAD	2.747
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8

Remington
REMINGTON & CO. N.Y. N.Y.
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

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

SERIAL NO.
C6523329

ORDER NO.
5716

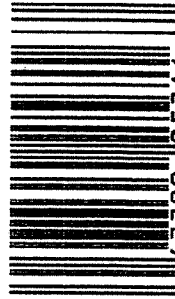
20

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



5716 C6523329

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523329

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9	90	RW
600	Proof	10 9	90	RW
607	Check Headspace	10 9	90	RW
610	Dis-assemble Gun	10 9	90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	LB
617	Drill and Tap Sight Holes		10/18/90	LB
618	Polish Barrel <i>LB</i>		10/19/90	LB
620	Apply Coatings (Barrel Action)		11-5-90	JA
	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		11-29-90	JM

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4.0	3.75	4.0	11/29/90	RT		
	G) Safety Off Force	2.50	2.50	2.75	11-29/90	RT		
	H) Trigger Pull Test & Retainability				11-29-90	JL		
	I) Firing Pin Indent	.020	.020	.020	11.29.90	RT		
	J) Assemble Stock				12/5/90	RW		
	K) Assemble Swivel Studs				12-6-90	JL		
	L) Attach Front and Rear Sight Assemblies				12/5/90	RW		
	M) Iron Sight Alignment				12/5/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				12/5/90	RW		
	O) Attach Scope to Rifle				12/5/90	RW		
	P) Detach & Attach Scope 20 Times				12/5/90	RW		
640	Gallery Target & Test				12/5/90	RT		
	A) Time				"	RT		
	B) Malfunctions				"	RT		
	C) Pierced Primers				"	RT		
	D) Optical Clarity of Scope				"	RT		
645	Inspect for Live Ammo				12/5/90	RT		
655	Final Inspection				12-6-90	JL		
	A) Headspace							
	B) Trigger Pull	289	274	271	270	270	12-6-90	JL
	C) Function						12-6-90	JL
660	Pack						12/19/90	RT

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6523329

DATE 11-29-90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.44	2.44	2.89	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.35	2.32	2.74	
PULL #3	2.48	2.41	2.37	2.71	
PULL #4	2.39	2.46	2.45	2.70	
PULL #5	2.44	2.45	2.42	2.70	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.23		
PULL #2	3.32	3.30		
PULL #3	3.28	3.24		
PULL #4	3.29	3.27		
PULL #5	3.28	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.29		4.25
PULL #2	4.24	4.14		4.21
PULL #3	4.23	4.24		4.16
PULL #4	4.28	4.30		4.24
PULL #5	4.22	4.27		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523329
6 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.19551
1 TO	2	.0701142
1 TO	3	.160312
1 TO	4	.248928
1 TO	5	.413619

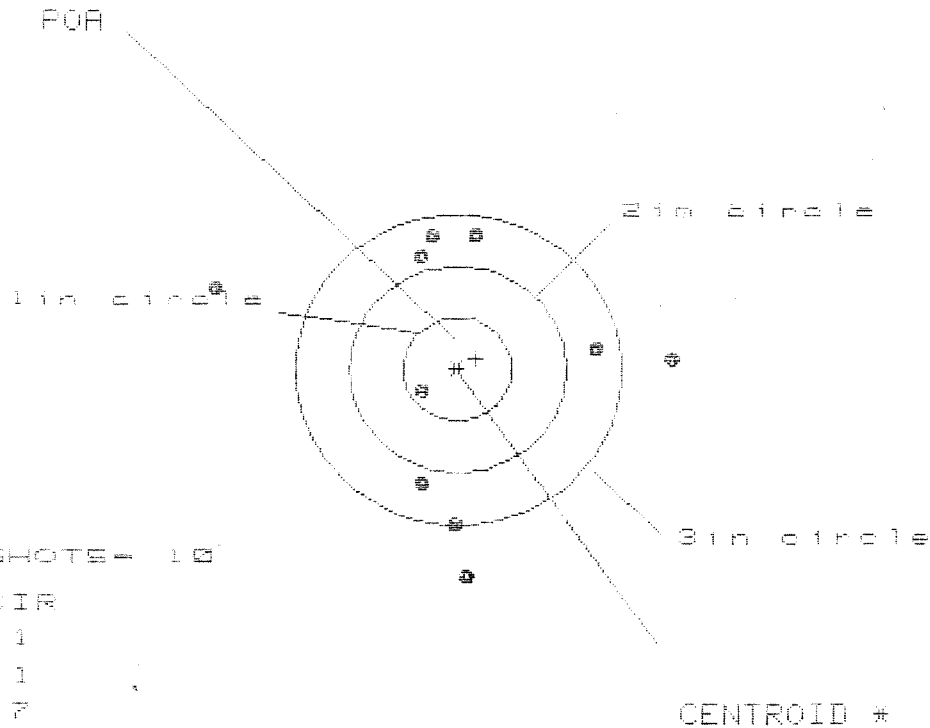
45 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0806
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.077
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .111469
THE AMR FOR THIS RIFLE IS: 1.297

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8583329

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 1

3 in = 7

HS= 4.181

VS= 3.343

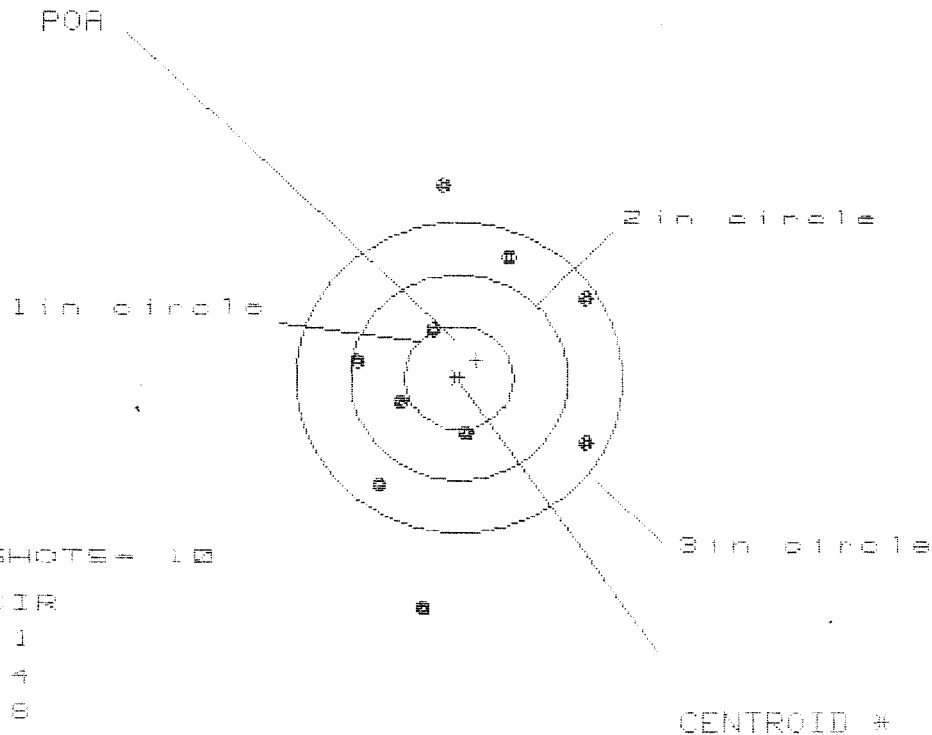
GS= 4.243

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.966	1.720	1.695
MINIMUM X	:	-2.215	-1.602	-1.627
MAXIMUM Y	:	1.332	1.420	1.179
MINIMUM Y	:	-2.011	-1.923	-1.620
CENTROID X	:	-1.168	.078	.103
CENTROID Y	:	-1.100	-1.189	.053
POA TO CENTROID in.	:	.195	.203	.115
MIN RADIUS	:	.402	.610	.713
MEAN RADIUS	:	1.440	1.342	1.245
MAX RADIUS	:	2.352	1.933	1.698
HORIZONTAL SPREAD	:	4.181	2.322	2.322
VERTICAL SPREAD	:	3.343	3.343	2.799
EXTREME SPREAD	:	4.243	3.352	2.804
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	1		
NUMBER IN THREE INCH CIRCLE	=	7		

6 Oct 1992

FILE:/PATTERNING/CENTERFIRE_PATT/C8523329

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 2.070

VS = 4.147

GS = 4.152

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.121	1.089	1.073
MINIMUM X	-.949	-.981	-.997
MAXIMUM Y	1.917	1.669	1.167
MINIMUM Y	-2.230	-1.276	-1.067
CENTROID X	-.164	-.132	-.116
CENTROID Y	-.170	.078	-.131
POF TO CENTROID in.	.236	.153	.175
MIN RADIUS	.490	.328	.507
MEAN RADIUS	1.191	1.065	.973
MAX RADIUS	2.249	1.674	1.338
HORIZONTAL SPREAD	2.070	2.070	2.070
VERTICAL SPREAD	4.147	2.945	2.235

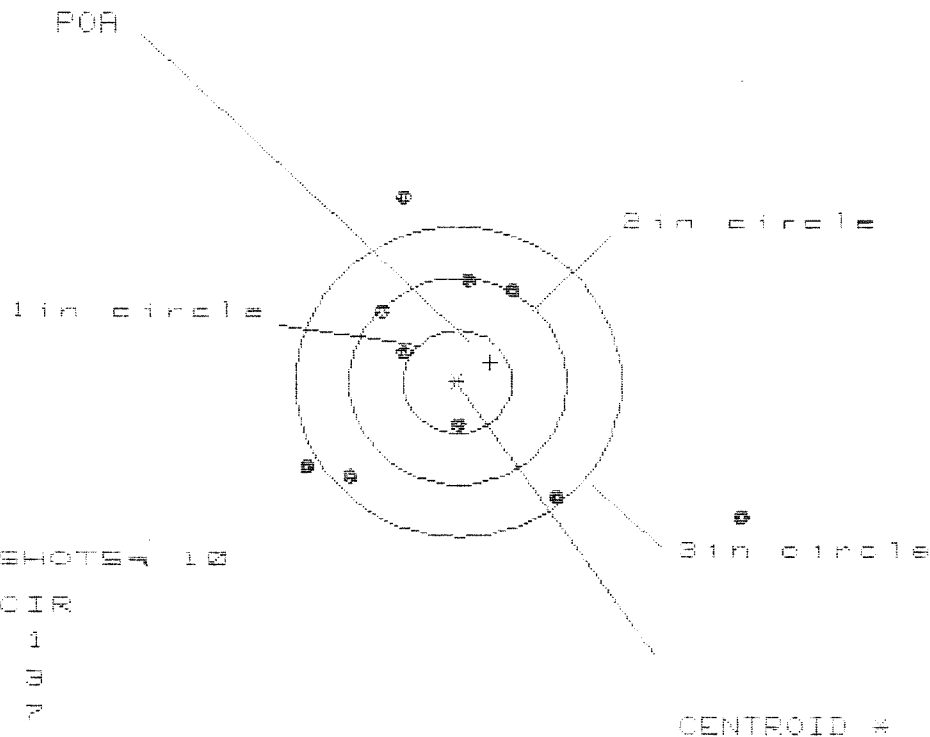
BARBER - M24 0147151

EXTREME	SPREAD :	4.152	3.819	2.621
NUMBER IN ONE	INCH CIRCLE =		1	
NUMBER IN TWO	INCH CIRCLE =		4	
NUMBER IN THREE	INCH CIRCLE =		8	

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523329

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HE = 4.049

VS = 3.126

GS = 4.405

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.642	1.183	1.162
MINIMUM X	-1.407	-1.114	-1.135
MAXIMUM Y	1.776	1.626	1.055
MINIMUM Y	-1.350	-1.274	-1.071
CENTROID X	-.302	-.595	-.574
CENTROID Y	-.188	-.038	-.241
POA TO CENTROID in.	.356	.597	.623
MIN RADIUS	.410	.205	.359
MEAN RADIUS	1.322	1.077	1.014
MAX RADIUS	2.967	1.739	1.586
HORIZONTAL SPREAD	4.049	2.297	2.297
VERTICAL SPREAD	3.126	2.900	2.126
EXTREME SPREAD	4.405	3.199	2.557
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

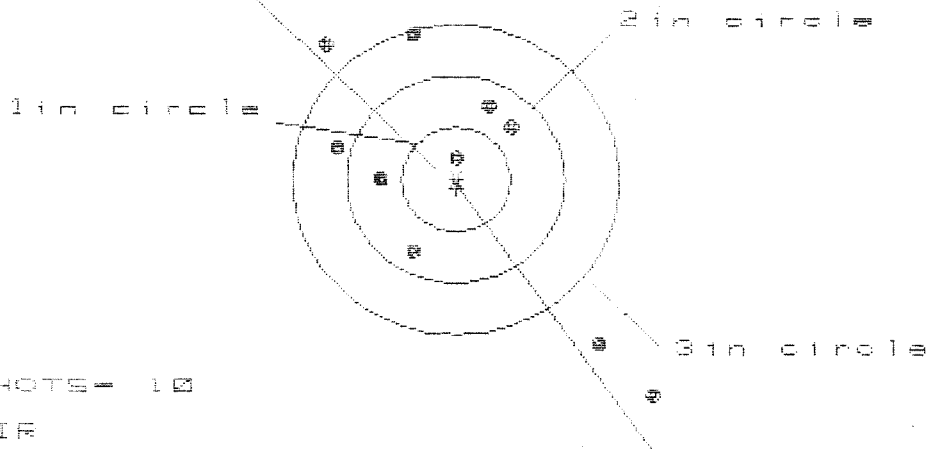
6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_FATT/08523329

CENTERFIRE PATTERNS

4

POA



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 6

HS = 3.037

VS = 3.569

GS = 4.575

CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.805	1.479	.843
MINIMUM X	-1.232	-1.031	-.847
MAXIMUM Y	1.453	1.218	.984
MINIMUM Y	-2.116	-1.873	-1.204
CENTROID X	-.006	-.207	-.392
CENTROID Y	.089	.324	.558
POA TO CENTROID in.	.089	.384	.692
MIN RADIUS	.218	.166	.432
MEAN RADIUS	1.249	1.012	.835
MAX RADIUS	2.781	2.386	1.204
HORIZONTAL SPREAD	3.037	2.510	1.689
VERTICAL SPREAD	3.569	3.091	2.188
EXTREME SPREAD	4.575	3.869	2.195
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523929

CENTERFIRE PATTERNS # 5

POR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 2.138

VS= 3.730

ES= 3.744

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.307	1.316	1.288
MINIMUM X	-.831	-.822	-.850
MAXIMUM Y	1.748	1.527	1.514
MINIMUM Y	-1.982	-1.856	-1.665
CENTROID X	.237	.228	.256
CENTROID Y	-.016	.205	.014
POR TO CENTROID in.	.238	.306	.257
MIN RADIUS	.295	.410	.284
MEAN RADIUS	1.281	1.205	1.134
MAX RADIUS	1.984	1.920	1.744
HORIZONTAL SPREAD	2.138	2.138	2.138
VERTICAL SPREAD	3.730	3.383	3.179
EXTREME SPREAD	3.744	3.393	3.204
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		5	