

G-6300591
Rep/acc
C-6225467

Repair Inquiry

Repair Number: RE00071759

Serial: C6225467 Model 700 Center Fire Caliber: 7
62 NATO M24 SWS

Repairman:

Verify Repair

Status:

Closed 10/21/2003 11:50:45 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: MATERIAL MOVEMENT SECTION

MATERIAL MOVEMENT SECTION

Address 1: BLDG 9630

BLDG 9630

Address 2: PRESCOTT AVE

PO Box:

PRESCOTT AVE

PO Box:

City: FORT LEWIS

FORT LEWIS

State: WA

Zip Code: 98433

Country: US

State: WA

Zip Code: 98433

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A016	Scope Mounts	2
A017	Scope Base	1

Repair Search

Refresh

Close

naglej

10/21/2003

12:41 PM

CAPS

NUM

INS

SCRL

start

2.1.1.1

5.1.1.1

Trap B.

Arms S.

Part S.

Arms S.

RE: 17

12:41 PM

G6300591 (New)

Serial Number: **C6225467**

Model: **700**



RE00071759

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300591.___0
FILE DATE AND TIME: 11/11/2003 11:28

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.057
The Average Y Centroid of the Five Target Set:	0.263
The Average Point of Impact of the Five Target Set:	0.269
The Average Mean Radius of the Five Target Set:	0.760
The Distance from POA to Centroid Target #1:	0.562
The Distance from Centroid Target #2 to Centroid Target #1:	0.428
The Distance from Centroid Target #3 to Centroid Target #1:	0.300
The Distance from Centroid Target #4 to Centroid Target #1:	0.368
The Distance from Centroid Target #5 to Centroid Target #1:	0.645

SERIAL NUMBER: G6300591. 0

TARGET NUMBER: 1

FILE DATE: 11/11/2003

FILE TIME: 11:28

X CENTROID: 0.328

Y CENTROID: 0.457

POA TO CENTROID: 0.562

HORZ SPREAD: 2.445

VERT SPREAD: 2.288

GROUP SPREAD: 2.937

MIN RADIUS: 0.187

MAX RADIUS: 1.862

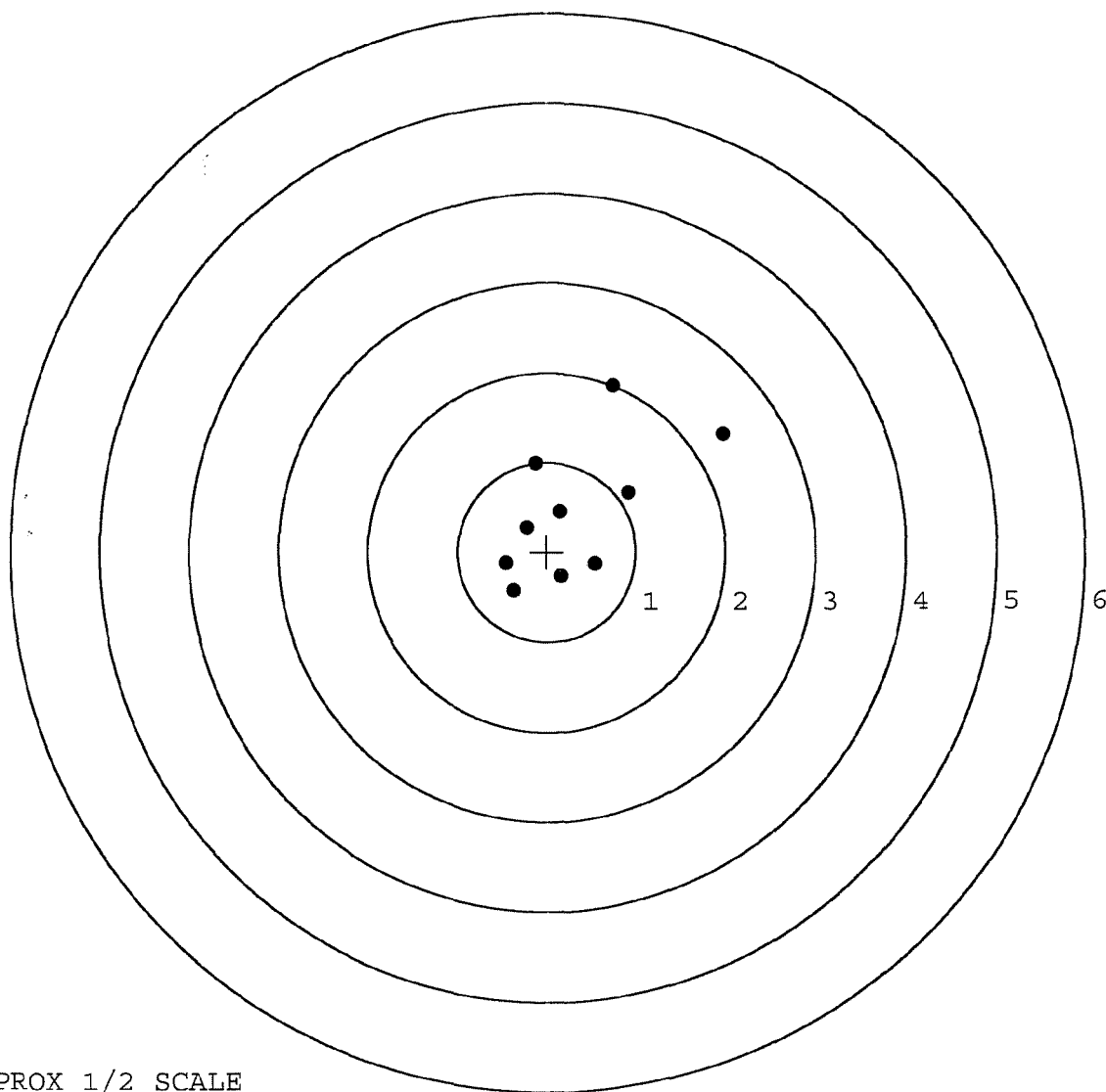
MEAN RADIUS: 0.894

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.744	1.854
2:	1.979	1.318
3:	0.919	0.662
4:	-0.132	0.992
5:	-0.228	0.273
6:	0.141	0.450
7:	0.544	-0.135
8:	0.158	-0.279
9:	-0.378	-0.434
10:	-0.466	-0.133



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300591. __0

TARGET NUMBER: 2

FILE DATE: 11/11/2003

FILE TIME: 11:28

POINT#	X	Y
1:	0.992	0.967
2:	1.176	-0.456
3:	0.592	0.374
4:	-0.100	0.791
5:	-0.618	0.203
6:	-0.788	-0.607
7:	0.121	-0.498
8:	-0.172	-0.284
9:	0.097	0.363
10:	-0.130	-0.010

X CENTROID: 0.117

Y CENTROID: 0.084

POA TO CENTROID: 0.144

HORZ SPREAD: 1.964

VERT SPREAD: 1.574

GROUP SPREAD: 2.376

MIN RADIUS: 0.264

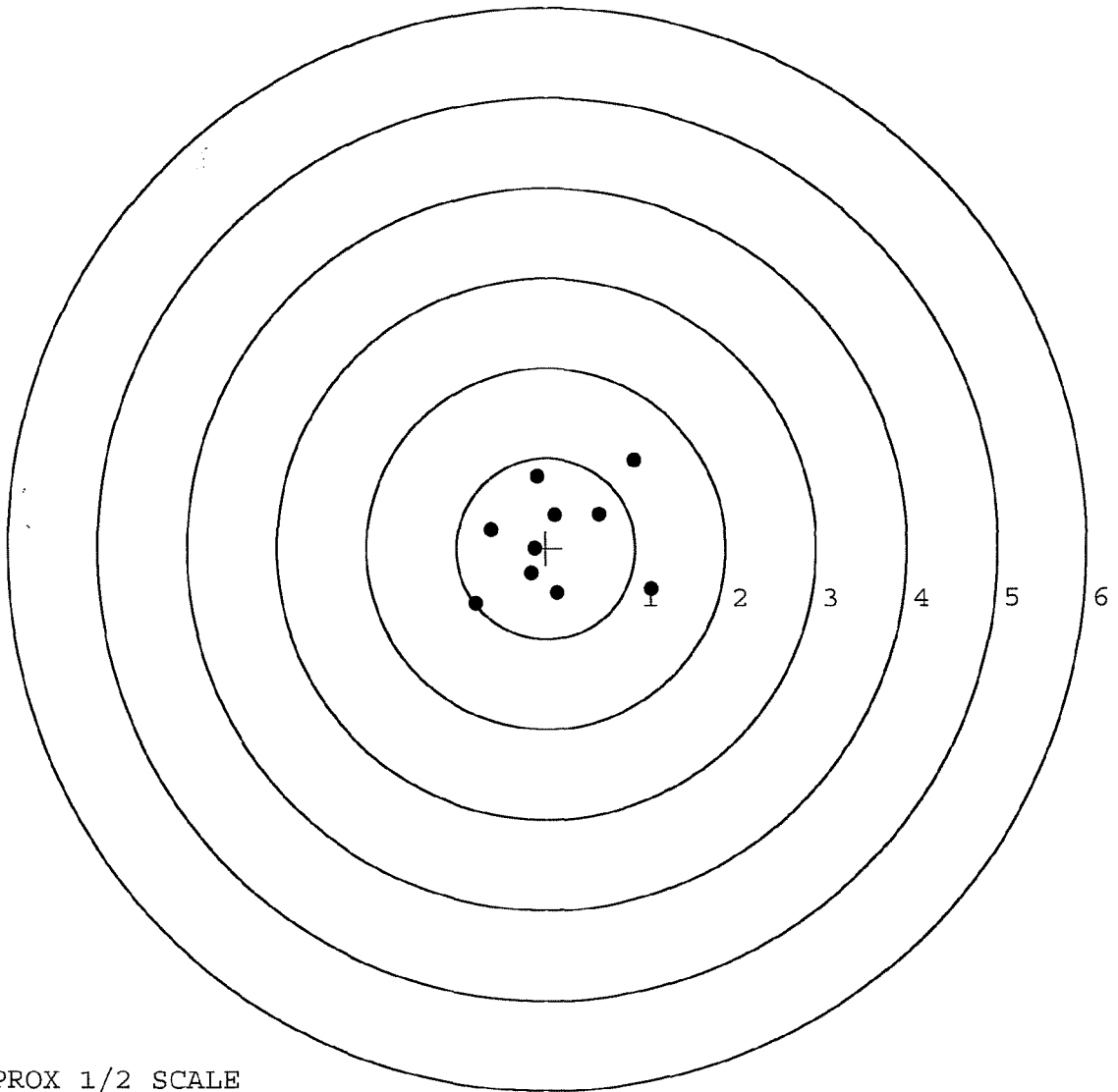
MAX RADIUS: 1.243

MEAN RADIUS: 0.721

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300591. 0

TARGET NUMBER: 3

FILE DATE: 11/11/2003

FILE TIME: 11:28

POINT#	X	Y
1:	0.101	1.174
2:	0.028	0.933
3:	0.300	0.798
4:	-0.220	0.498
5:	-0.955	0.069
6:	-0.541	-0.036
7:	-0.153	-0.160
8:	0.250	-0.138
9:	0.607	0.053
10:	1.019	0.413

X CENTROID: 0.044

Y CENTROID: 0.360

POA TO CENTROID: 0.363

HORZ SPREAD: 1.974

VERT SPREAD: 1.334

GROUP SPREAD: 2.004

MIN RADIUS: 0.297

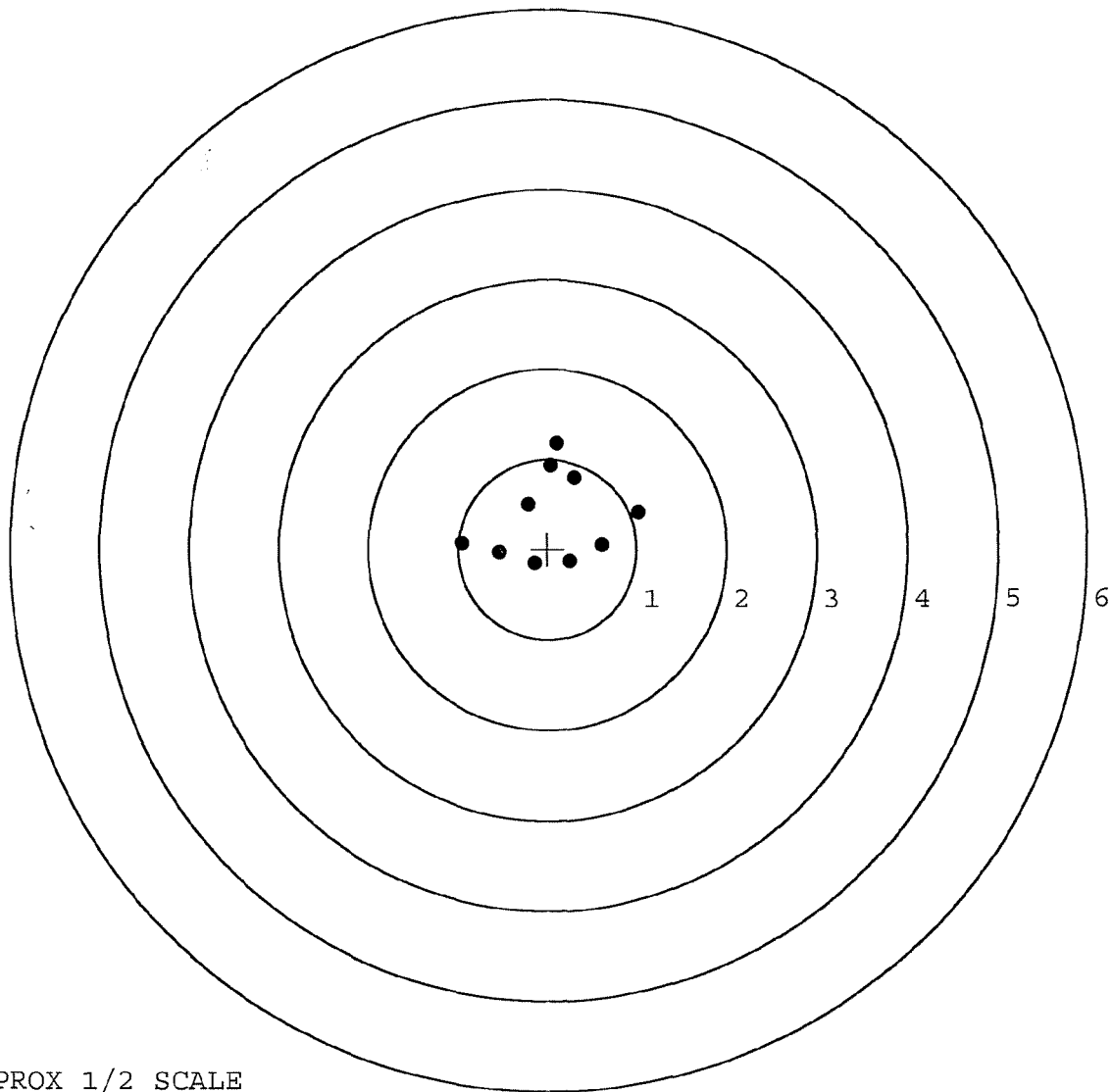
MAX RADIUS: 1.040

MEAN RADIUS: 0.665

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300591. 0

TARGET NUMBER: 4

FILE DATE: 11/11/2003

FILE TIME: 11:28

X CENTROID: 0.064

Y CENTROID: 0.200

POA TO CENTROID: 0.210

HORZ SPREAD: 1.701

VERT SPREAD: 2.513

GROUP SPREAD: 2.683

MIN RADIUS: 0.431

MAX RADIUS: 1.718

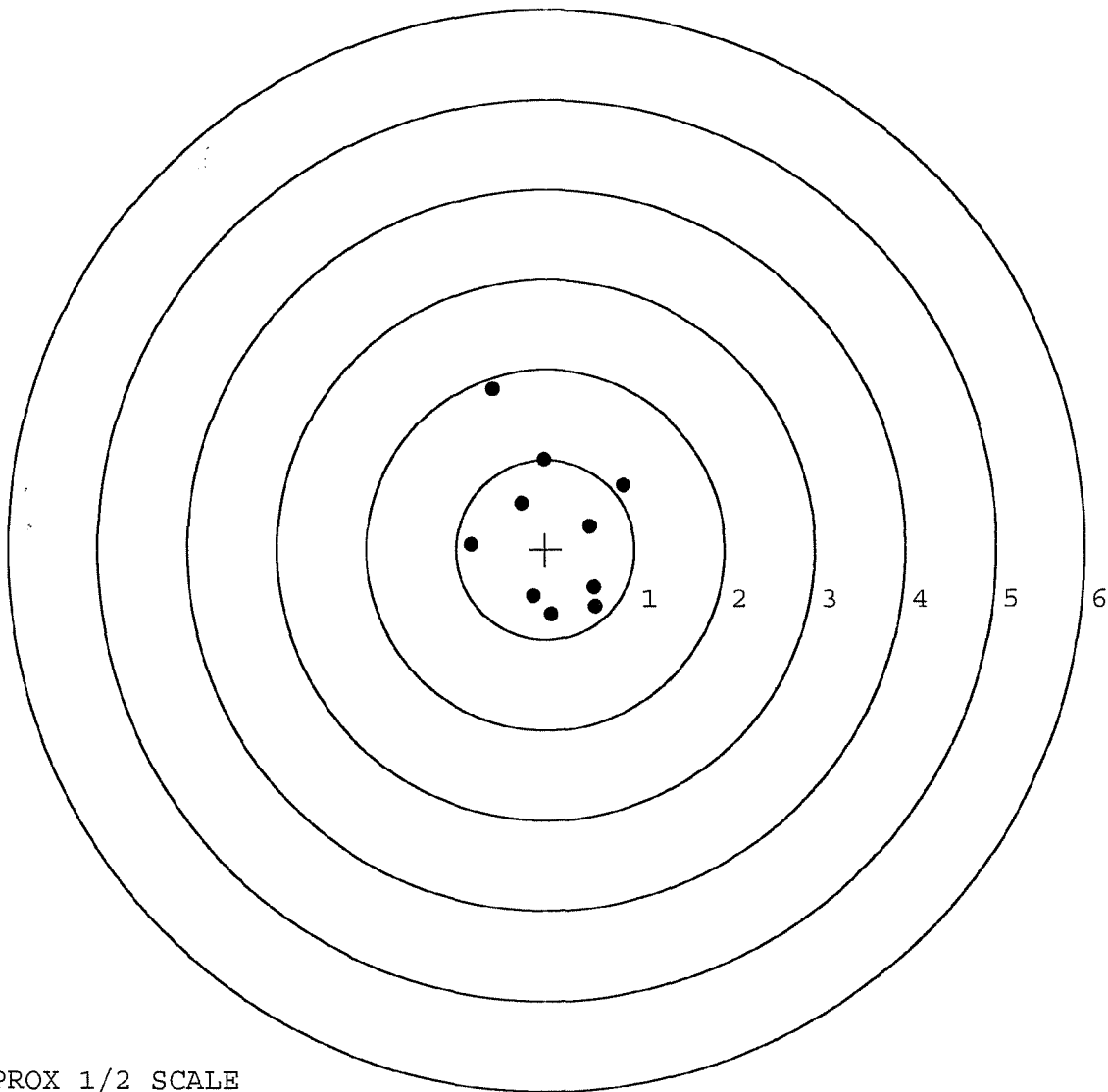
MEAN RADIUS: 0.871

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.603	1.783
2:	-0.023	0.994
3:	0.869	0.714
4:	-0.274	0.513
5:	0.491	0.260
6:	-0.832	0.054
7:	-0.145	-0.521
8:	0.065	-0.730
9:	0.540	-0.426
10:	0.555	-0.637



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300591. __0

TARGET NUMBER: 5

FILE DATE: 11/11/2003

FILE TIME: 11:28

X CENTROID: -0.268

Y CENTROID: 0.211

POA TO CENTROID: 0.341

HORZ SPREAD: 1.570

VERT SPREAD: 1.551

GROUP SPREAD: 2.003

MIN RADIUS: 0.258

MAX RADIUS: 1.016

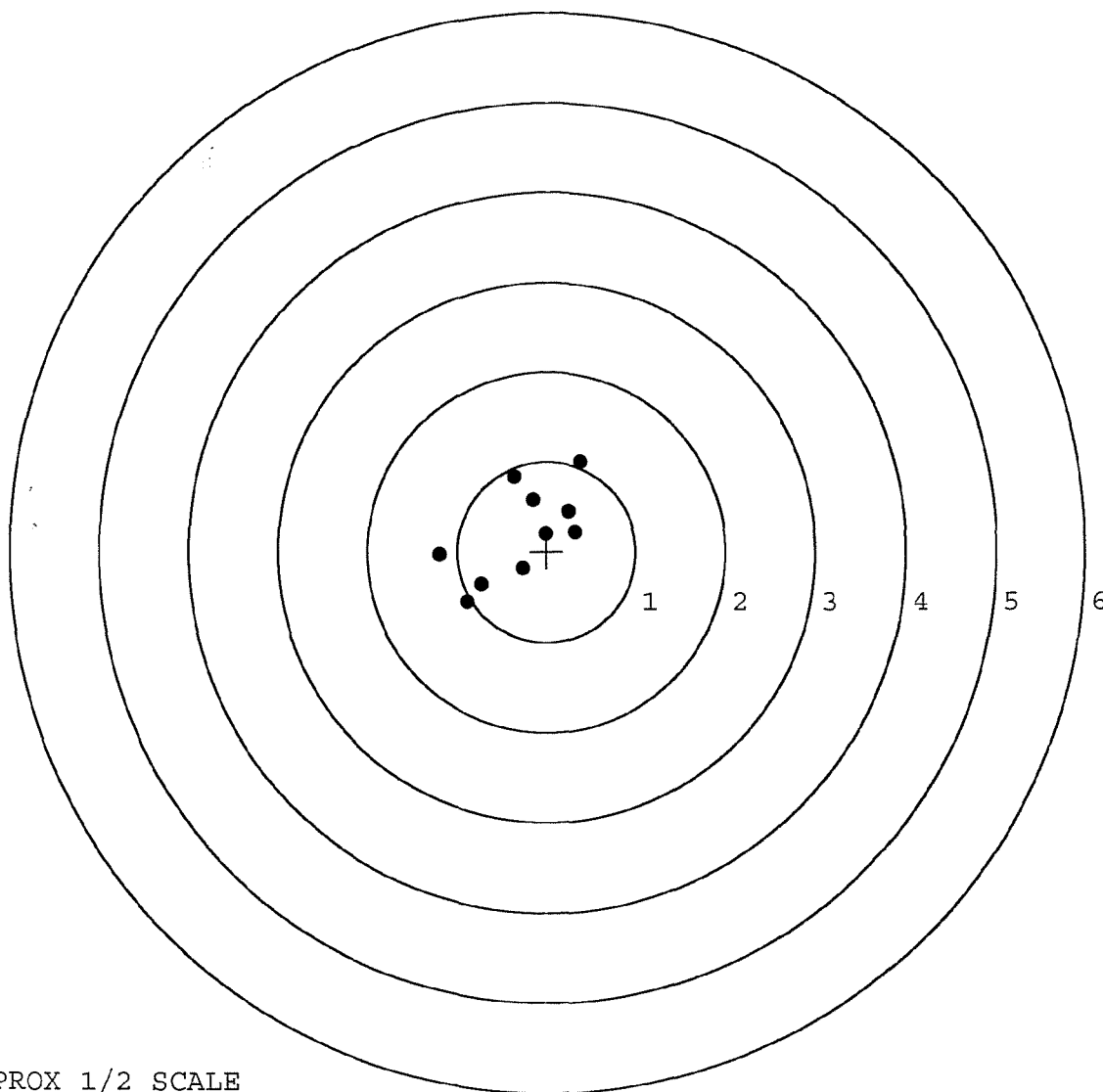
MEAN RADIUS: 0.651

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.376	0.996
2:	0.242	0.453
3:	0.322	0.218
4:	-0.369	0.830
5:	-0.155	0.567
6:	-0.011	0.195
7:	-0.268	-0.189
8:	-0.733	-0.361
9:	-0.892	-0.555
10:	-1.194	-0.045



TARGET APPROX 1/2 SCALE

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 11-10-03

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.04	2.61		2.72	
PULL #2	2.44	2.69		2.43	
PULL #3	2.43	2.64		2.26	
PULL #4	2.43	2.58		2.55	
PULL #5	2.45	2.54		2.73	
TOTAL	11.79	13.06		12.69	
AVERAGE	2.35	2.61		2.53	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	2.99		
PULL #2	3.21	3.19		
PULL #3	3.20	3.13		
PULL #4	3.18	3.12		
PULL #5	3.21	3.03		
TOTAL	16.02	15.46		
AVERAGE	3.20	3.09		

	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	4.11	4.36		4.02
PULL #2	4.32	3.97		3.95
PULL #3	4.24	4.34		4.14
PULL #4	4.33	4.18		4.06
PULL #5	4.34	4.00		4.13
TOTAL	21.34	20.85		20.30
AVERAGE	4.26	4.17		4.06

R & E NUMBER	71759		
SERIAL NUMBER	C6223467 GLA300591 (New)		
LOG-IN DATE	10-21-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-27-03	RTL
560 A	RE-BARREL	10-29-03	RTL
B	DRILL AND TAP	11-4-03	TRW
575	ASSEMBLE	11-3-03	RTL
600	PROOF	11-3-03	AC
605	CHECK HEADSPACE	11-3-03	AC
610	DIS-ASSEMBLE GUN	11-3-03	RTL
612	MAGNAFLUX OPERATOR	RK	
615	ROLLMARK CALIBER	11-5-03	AS
618	ROTO-BLAST		
620	APPLY COATINGS	11-8	TA
625 A	FINAL ASSEMBLY	11-10-03	RTL
B	TRIGGER PULL TEST	12-12-03	RTL
C	SAFETY "ON" FORCE	12-12-03	RTL
D	SAFETY "OFF" FORCE	12-12-03	RTL
E	FIRING PIN INDENT		
640	TARGET	11-11-03	AC
655	FINAL INSPECT	12-12-03	RTL
660	PACK	12/12/03	AAA
		SHIP DATE	
		QAR INSPECTION DATE	

BARBER - M24 0162660
RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 96-16378

M-24 SNIPER

INITIAL
JJM

DATE RECEIVED 07/15/96	DATE OPENED 07/15/96	DATE CODE CJ 4-89	SERIAL NUMBER C6225467	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62	NATO
ACCESSORIES W/STUDS		W/SWIVELS		SCOPE BASE		

FROM:

DEPT OF THE ARMY
 C CO 3RD BN 1ST SFG (A)
 FORT LEWIS WA 98433

SHIP TO:

DEPT OF THE ARMY
 C CO 3RD BN 1ST SFG (A)
 FORT LEWIS WA 98433

CUST NO: 145454 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
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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

Barrel 96003

Re powder Coat Trigger Guard
 ASSY Front & Rear Sight
 Bases
 Re Zinc Scope Base & Swivel
 Studs

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
 KINZER V. REMINGTON

BARBER - M24 0162660 0162699

EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET									
For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG									
1. ORGANIZATION C80 3RD BN 1ST SFG(A)					2. NOMENCLATURE AND MODEL M24 SWS				
3. REGISTRATION/SERIAL/NSN		4a. MILES	b. HOURS	c. ROUNDS FIRED	d. HOT STARTS	5. DATE		6. TYPE INSPECTION	
7. APPLICABLE REFERENCE									
TM NUMBER			TM DATE		TM NUMBER			TM DATE	
COLUMN a — Enter TM item number.					COLUMN d — Show corrective action for deficiency or shortcoming listed in Column c.				
COLUMN b — Enter the applicable condition status symbol.					COLUMN e — Individual ascertaining completed corrective action initial in this column.				
COLUMN c — Enter deficiencies and shortcomings.									
STATUS SYMBOLS									
"X"—Indicates a deficiency in the equipment that places it in an inoperable status. CIRCLED "X"—Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished. HORIZONTAL DASH "—"Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.					DIAGONAL ("/)"—Indicates a materiel defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable. LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL—Indicates that a completely satisfactory condition exists. FOR AIRCRAFT—Status symbols will be recorded in red.				
ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.									
8a. SIGNATURE (Person(s) performing inspection)			8b. TIME		9a. SIGNATURE (Maintenance Supervisor)		9b. TIME		10. MANHOURS REQUIRED
TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c			CORRECTIVE ACTION d			INITIAL WHEN CORRECTED e	
		C6348730			X EXCESS OF 10,000 RDS				
		C6225181			PER GUN, EACH NEEDS				
		C6225524			RE-BARRELING				
		C6348969			T/E TRIGGERS/STOCKS				
		C6348954			Re powder Coat				
		C6225270			X THESSINAPANE WERE			Redr Sig	
		C6225467			SHOTS IN THE LAST 90			Base	
		C6348907			SNIPER CLASS, SNIPER				
		C6225409			Committee said they				
		C6348868			NEED RE-BARRELING				
		C6225174			DUE TO POOR SHOT PERFORMANCE				
		C6348981			AND EXCESS RDS.				
					7/24/96				
					* EACH WEAPON HAS A				
					SCOPE MOUNT				
		P.O.C. SSG DELK							
		3RD BN 1ST SFG(A)							
					(206) 967-8813/8896				

DA FORM 2404
1 APR 79

Replaces edition of 1 Jan 64, which will be used

Final Inspection

Sn: C6225467

DATE REC'D: 7/15/96

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:

CONTRACT # DAAA21-87-C-0086

Barrel

GUN SERIAL #

C6225467

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		7/24/96	RW
600	Proof		7/24/96	RW
607	Check Headspace		7/24/96	RW
610	Dis-assemble Gun		7/24/96	RW
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 0162664 OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force			
	G) Safety Off Force			
	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			
	C) Function			
660	Pack			



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

MODEL 700 TM H24	SERIAL NO. C6225467
	ORDER NO. 5716

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

01

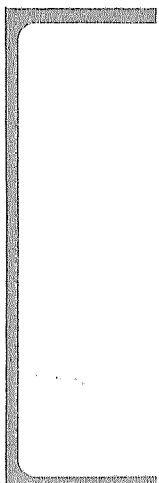


5716 C6225467

UPC



0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225467

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4-14-89	JS
617	Drill and Tap Sight Holes	4 14	89	LB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4/19/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/20/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/20/89	RW
	C) Inspect Ejector Hole for Chamfer		4/20/89	RW
	D) Oil Firing Pin Ass'y		4/20/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/21/89	D.S.

BARBER - M24 0162667		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	5	5	5			4/21/89	JK
	G) Safety Off Force	3	3	3			4/21/89	JK
	H) Trigger Pull Test & Retainability						4/21/89	L.S.
	I) Firing Pin Indent	.020	.020	.020			4/21/89	JK
	J) Assemble Stock						4/24/89	RW
	K) Assemble Swivel Studs						26 April 89	JS
	L) Attach Front and Rear Sight Assemblies						4/24/89	RW
	M) Iron Sight Alignment						4/24/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/24/89	RW
	O) Attach Scope to Rifle						4/24/89	JK
	P) Detach & Attach Scope 20 Times						4/24/89	JK
640	Gallery Target & Test	47 R	103 L				4-25-89	K
	A) Time						"	K
	B) Malfunctions						"	K
	C) Pierced Primers						"	K
	D) Optical Clarity of Scope						"	K
645	Inspect for Live Ammo						4-25-89	K
655	Final Inspection							
	A) Headspace						26 April 89	JS
	B) Trigger Pull	2.19	2.15	2.12	2.11	2.02	26 April 89	JS
	C) Function						26 April 89	JS
660	Pack						27 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225467

DATE 3/26/80

TESTER WLB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.35	2.32		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.32	2.30		
PULL #3	2.20	2.28	2.29		
PULL #4	2.20	2.29	2.31		
PULL #5	2.17	2.31	2.29		
TOTAL	11.06	11.55	11.51		
AVG.	2.21	2.31	2.30		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.25		
PULL #2	3.23	3.16		
PULL #3	3.30	3.15		
PULL #4	3.21	3.08		
PULL #5	3.26	3.14		
TOTAL	16.33	15.78		
AVG.	3.26	3.15		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	4.21		
PULL #2	4.11	4.14		
PULL #3	4.25	4.07		
PULL #4	4.24	4.12		
PULL #5	4.23	4.11		
TOTAL	20.91	20.65		
AVG.	4.18	4.13		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225467
26 Apr 1989

CENTROIDAL DISTANCES

Ø TO	1	.559561
1 TO	2	.763944
1 TO	3	1.19022
1 TO	4	1.06213
1 TO	5	1.11972

5⁴
3 2+ 1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1276
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2104
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .246069
THE AMR FOR THIS RIFLE IS: .8882

26 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225467

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 9

HS = 2.042

VS = 1.872

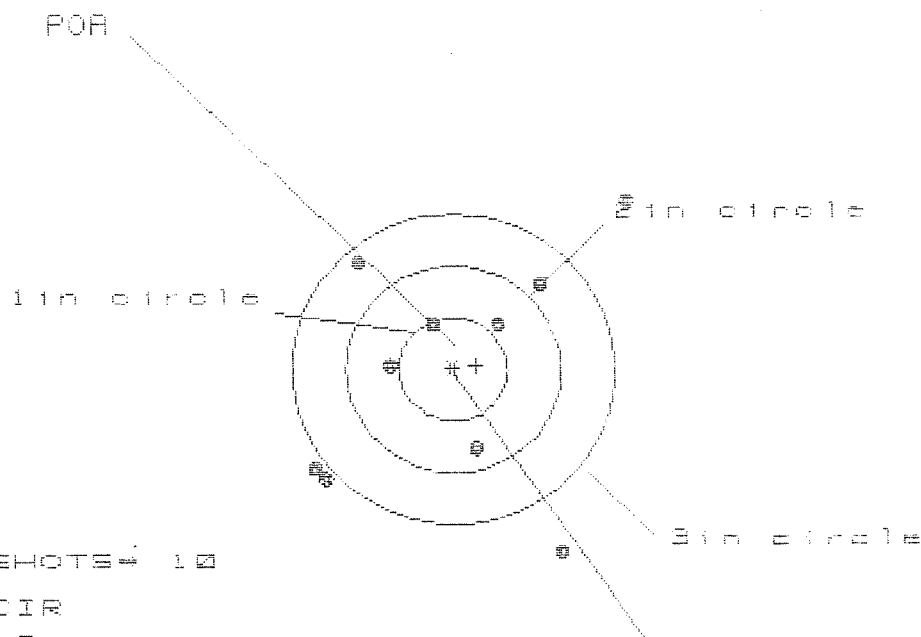
GS = 2.594

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.812	.675	.756
MINIMUM X	-1.238	-.768	-.627
MAXIMUM Y	.988	1.012	1.128
MINIMUM Y	-.892	-.783	-.675
CENTROID X	.558	.687	.606
CENTROID Y	-.103	-.212	-.328
POA TO CENTROID in.	.568	.719	.686
MIN RADIUS	.266	.343	.457
MEAN RADIUS	.885	.795	.745
MAX RADIUS	1.573	1.083	1.128
HORIZONTAL SPREAD	2.042	1.383	1.383
VERTICAL SPREAD	1.872	1.795	1.795
EXTREME SPREAD	2.594	2.095	1.897
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

28 Apr 1989

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

HS = 2.963

VS = 3.372

GS = 3.971

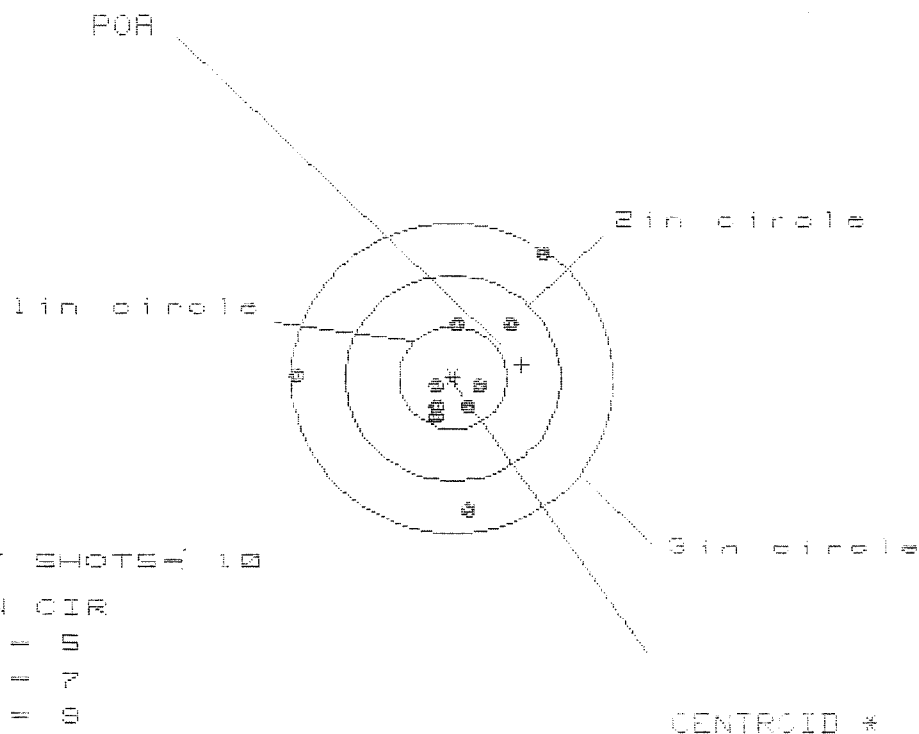
CENTROID #

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.659	1.238	1.166
MINIMUM X	-1.384	-1.120	-.965
MAXIMUM Y	1.650	1.222	1.036
MINIMUM Y	-1.722	-1.539	-1.878
CENTROID X	-.211	-.395	-.550
CENTROID Y	-.836	-.219	-.827
POA TO CENTROID in.	.214	.452	.551
MIN RADIUS	.568	.497	.281
MEAN RADIUS	1.263	1.137	.990
MAX RADIUS	2.348	1.975	1.451
HORIZONTAL SPREAD	2.963	2.358	2.131
VERTICAL SPREAD	3.372	2.761	2.108
EXTREME SPREAD	3.971	3.363	2.933
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		6	

26 Apr 1989

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 5

2 in = 7

3 in = 9

HS = 2.229

VS = 2.580

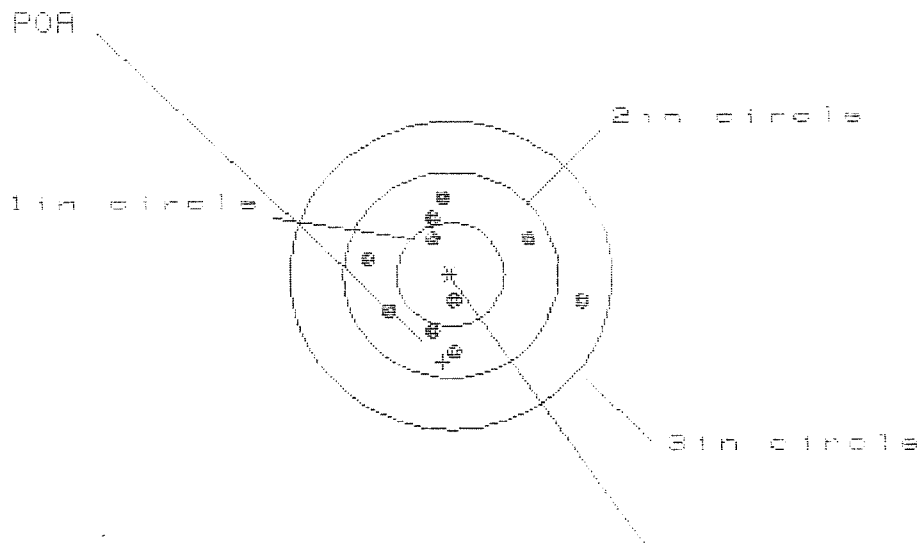
GS = 2.671

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.801
MINIMUM X	-1.428
MAXIMUM Y	1.272
MINIMUM Y	-1.308
CENTROID X	-.640
CENTROID Y	-.126
POR TO CENTROID in.	.652
MIN RADIUS	.138
MEAN RADIUS	.687
MAX RADIUS	1.503
HORIZONTAL SPREAD	2.229
VERTICAL SPREAD	2.580
EXTREME SPREAD	2.671
NUMBER IN ONE INCH CIRCLE =	5
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

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CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 0

3 in = 10

HS = 2.025

VS = 1.422

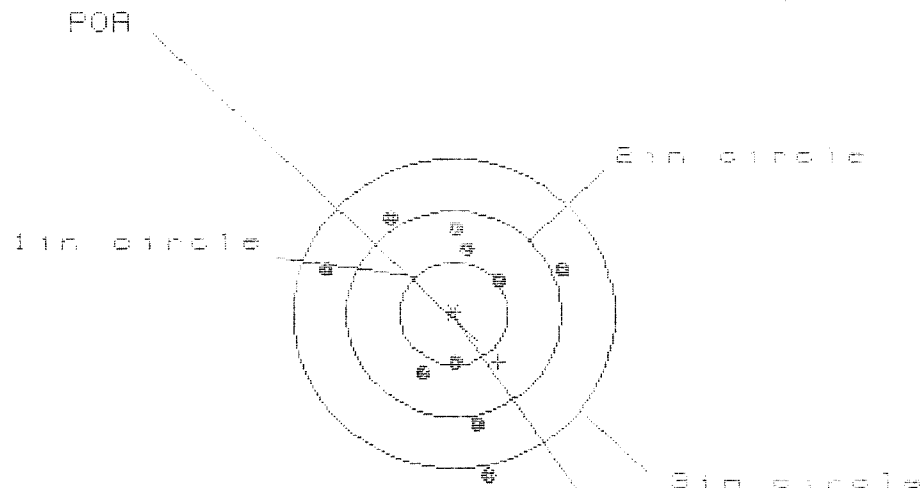
GS = 2.050

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.218	.879	.285
MINIMUM X	-.807	-.672	-.562
MAXIMUM Y	.715	.691	.734
MINIMUM Y	-.707	-.731	-.688
CENTROID X	.075	-.060	-.170
CENTROID Y	.847	.871	.828
POA TO CENTROID in.	.851	.873	.845
MIN RADIUS	.270	.332	.366
MEAN RADIUS	.680	.599	.545
MAX RADIUS	1.236	.944	.748
HORIZONTAL SPREAD	2.025	1.551	.847
VERTICAL SPREAD	1.422	1.422	1.422
EXTREME SPREAD	2.050	1.573	1.429
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	9	
NUMBER IN THREE INCH CIRCLE	=	10	

25 Apr 1969

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 9

HS = 2.170

VS = 2.579

GS = 2.706

CENTROID +

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.021
MINIMUM X	-1.149
MAXIMUM Y	.968
MINIMUM Y	-1.611
CENTROID X	-.412
CENTROID Y	.470
FOR TO CENTROID in.	.625
MIN RADIUS	.447
MEAN RADIUS	.926
MAX RADIUS	1.635
HORIZONTAL SPREAD	2.170
VERTICAL SPREAD	2.579
EXTREME SPREAD	2.706
NUMBER IN ONE INCH CIRCLE	1
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	9