

BARBER - M24 0105223

66702827

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 0105223 05262

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 95-18204

INITIAL CUSTOMER ORDER NO.

FPS W340TZ-5142-3202

M24 W/ULTRA LEUPOLD M-3A 10X SCOPE

DATE RECEIVED

07/13/95

DATE OPENED

07/13/95

DATE CODE

CJ 4-89

SERIAL NUMBER

64225089

NEW SERIAL NUMBER

06702827

MODEL AND GRADE

700 7.62

NATO

ACCESSORIES

W/STUDS

HARD CASE

W/SCOPE MNTS, BASE

FROM:

CONSOL PROPERTY ACCOUNT

FT CAMPBELL

KY 42223

SHIP TO:

TRANSPORTATION OFF.

CRP, BLDG 5207

FT CAMPBELL

KY

42223

CUST NO: 122560 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

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

New Barrel

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

Barrel Shot out

PARTS

COMMENTS

BBL Action Complete

96001

Repowder Coat Trigger Guard

Stock

96018

Assy & Rear Sight Base

Front Sight Base

96011

Rebore - Scope Base, Ring & Swivel Studs

REPAIRMAN

RW

PROOF

C

CLEAN

L

TEST

L

TARGET

L

PATTERN

GALLERY TESTER

RW

DATE

7/18/95

DATE

7/14/95

DATE

7/12/95

DATE

7/12/95

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0105263

MAINTENANCE REQUEST				PAGE NO. 1	NO. OF PAGES 1	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)	
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG							
SECTION I - EQUIPMENT DATA							
CONTROL NUMBER		WORK ORDER NO.		WESDC	ORG. PD	PD AUTHENTICATION	
☒ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION HHC 3 187th INF		B. LOCATION FORT CAMPBELL, KY		C. UNIT IDENT CODE WACATO	
2. SERIAL NO. C622 5089		3. NOUN NOMENCLATURE Rifle 7.62mm S&W M24		4. LINE NO. R25387	5. MODEL		
6. NATIONAL STOCK NUMBER 1005-01 240-2136							
7A. MAINTENANCE ACTIVITY SCOPE 89-0110		B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS
							11. MILES
							12. ROUNDS
							13. STARTS
14. FAILURE DETECTED DURING (Select one - use ✓ or X)				15. FIRST INDICATION OF TROUBLE (Select one - use ✓ or X)			
☒ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☒ D Normal Op ☒ F Inspection ☐ H Other				☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☒ 387 Low Performance ☒ Other			
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs).							
I. 4594th S&W Equipment is Gov't property, carried on the project, 3500K serial is 4594th S&W 4594th S&W 4594th S&W 4594th S&W 4594th S&W 4594th S&W 4594th S&W 4594th S&W							
B. REMARKS							
SECTION II - WORK ACCOMPLISHED							
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ✓ or X)	
B. LOCATION				☐ 1 TOE ☐ 2 TD ☐ 3 Contractor		19. AMS ACCT. CODE	
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.		D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE			H. PARTS COST
1) This Rifle has fired approximately 13,000 rounds. This exceeds the warranty barrel life of 10,000 rounds. The weapon needs to be rebarreled as per warranty.							
2) Buttstock adjustment ring doesn't lock. \$							
3) Bolt release/catch sticks. \$							
4) Forestock worn out around sling swivel. \$							
5) Magazine and trigger assembly hex-bolts stripped \$							
6) Scope will not hold one-minute of angle adjustment during firing. \$							
7) Scope elevation-zero adjustment retainer hex-bolt stripped \$							
8) Scope elevation-zero adjustment retainer hex-bolt stripped \$ 9) Scope elevation-zero adjustment retainer hex-bolt stripped \$							
I. TOTAL MANHOURS				J. TOTAL MANHOURS COST		K. TOTAL PARTS COST	
				\$		\$	
21. DELAY (Select One)							
☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools							
22. Data Transcribed							
23. SUBMITTED BY		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY	
B. H. Star		B. H. Star		B. H. Star		B. H. Star	
27. ACCEPTED BY		28. DISPOSITION (Select One)					
B. H. Star		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged					
JULIAN DATE	JULIAN DATE	JULIAN DATE	JULIAN DATE	JULIAN DATE			
5135	5135	5135	5135	5135			

New BBL Action Comp.
New Stock**GFM**

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6702827

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/3/92	RW
600	Proof		5/3/92	RW
607	Check Headspace		5/3/92	RW
610	Dis-assemble Gun		5/3/92	RW
612	Magnaflux Barrel Action	MAY	5 1992	Kcl
	Magnaflux Bolt	MAY	5 1992	Kcl
615	Rollmark Caliber	MAY	5 1992	GS
617	Drill and Tap Sight Holes	MAY	5 1992	LB
618	Polish Barrel	MAY	5 1992	WB
620	Apply Coatings (Barrel Action)		6-10-92	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/21/95	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/21/95	RW
	C) Inspect Ejector Hole for Chamfer		7/21/95	RW
	D) Oil Firing Pin Ass'y		7/21/95	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

Op. #	BARBER - M24 0105227 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		7/21/95	RW
	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		7/22/95	RW
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clarity of Scope			
645	Inspect for Live Ammo		7/22/95	RW
655	Final Inspection		7/24/95	RW
	A) Headspace			
	B) Trigger Pull			
	C) Function			
660	Pack		7/24/95	RW

Final Inspection

Sn: C6702827 DATE REC'D: 7/13/95 DATE RET'D: 7/25/95
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: _____

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06702827
1 Jan 1988

CENTROIDAL DISTANCES

0 TO	1	.866797
1 TO	2	.364373
1 TO	3	.633764
1 TO	4	.177674
1 TO	5	.533414

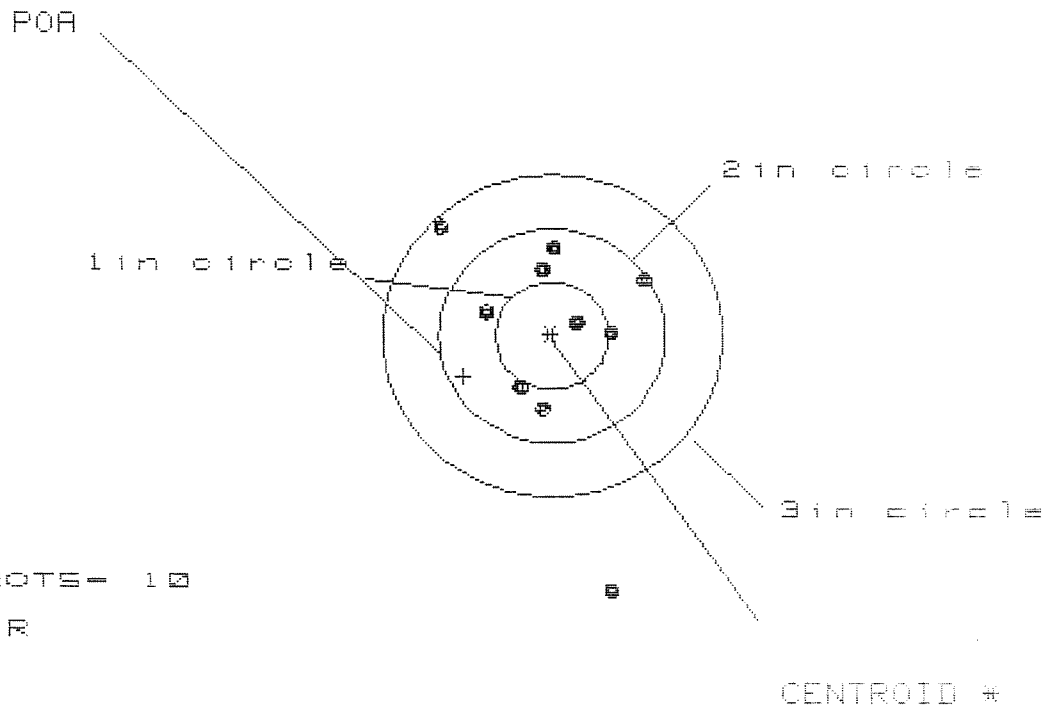
5
+3294 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4694
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3694
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .597321
THE AMR FOR THIS RIFLE IS: .9196

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06702827

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 8

3in = 9

HS = 1.730

VS = 3.393

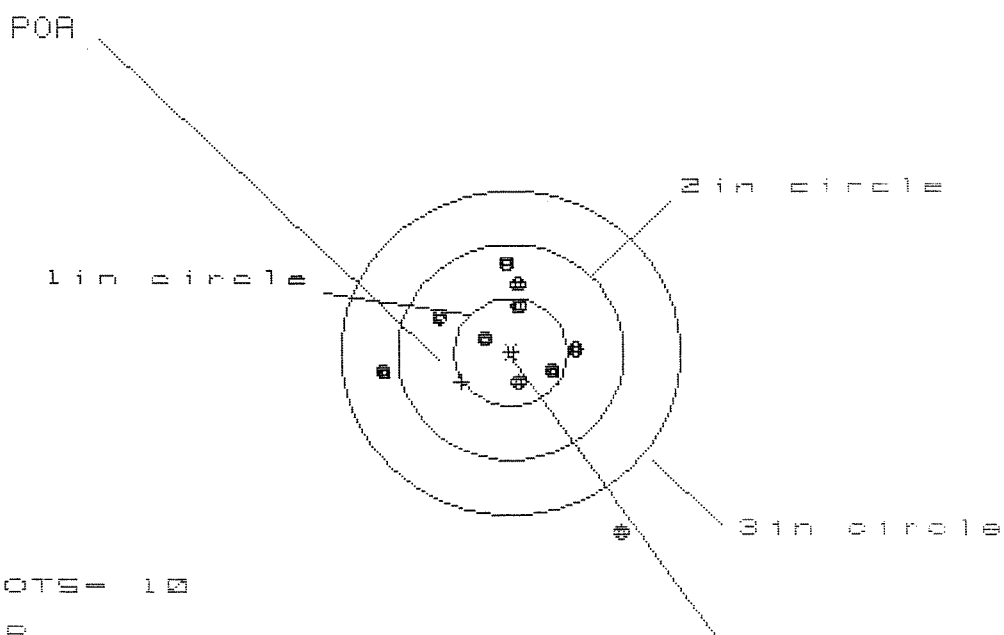
GS = 3.685

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.778	.831	.719
MINIMUM X	-.952	-.899	-.636
MAXIMUM Y	1.060	.801	.635
MINIMUM Y	-2.333	-.920	-.820
CENTROID X	.781	.728	.840
CENTROID Y	.376	.635	.535
POA TO CENTROID in.	.867	.966	.996
MIN RADIUS	.284	.294	.169
MEAN RADIUS	.881	.677	.595
MAX RADIUS	2.383	1.203	.839
HORIZONTAL SPREAD	1.730	1.730	1.355
VERTICAL SPREAD	3.393	1.721	1.455
EXTREME SPREAD	3.685	1.912	1.462
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

1 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C8702827

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 8

3 in = 9

HS= 2.107

VS= 2.486

GS= 2.665

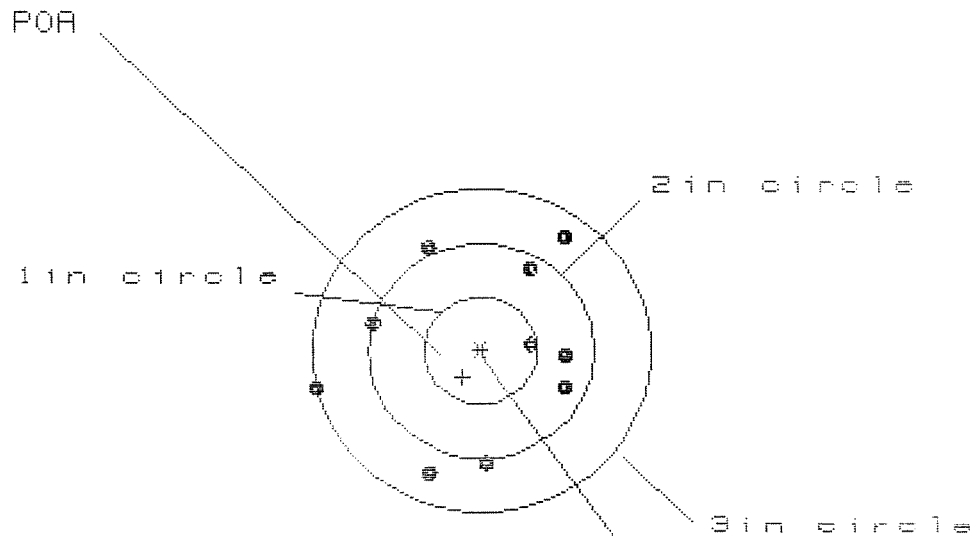
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.959	.631	.501
MINIMUM X	:	-1.148	-1.041	-.612
MAXIMUM Y	:	.834	.650	.609
MINIMUM Y	:	-1.652	-.495	-.536
CENTROID X	:	.433	.326	.456
CENTROID Y	:	.268	.452	.493
POA TO CENTROID in.	:	.509	.557	.672
MIN RADIUS	:	.280	.170	.197
MEAN RADIUS	:	.718	.553	.474
MAX RADIUS	:	1.911	1.091	.618
HORIZONTAL SPREAD	:	2.107	1.672	1.113
VERTICAL SPREAD	:	2.486	1.145	1.145
EXTREME SPREAD	:	2.665	1.678	1.156
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6702827

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.215

VS= 2.169

GS= 2.630

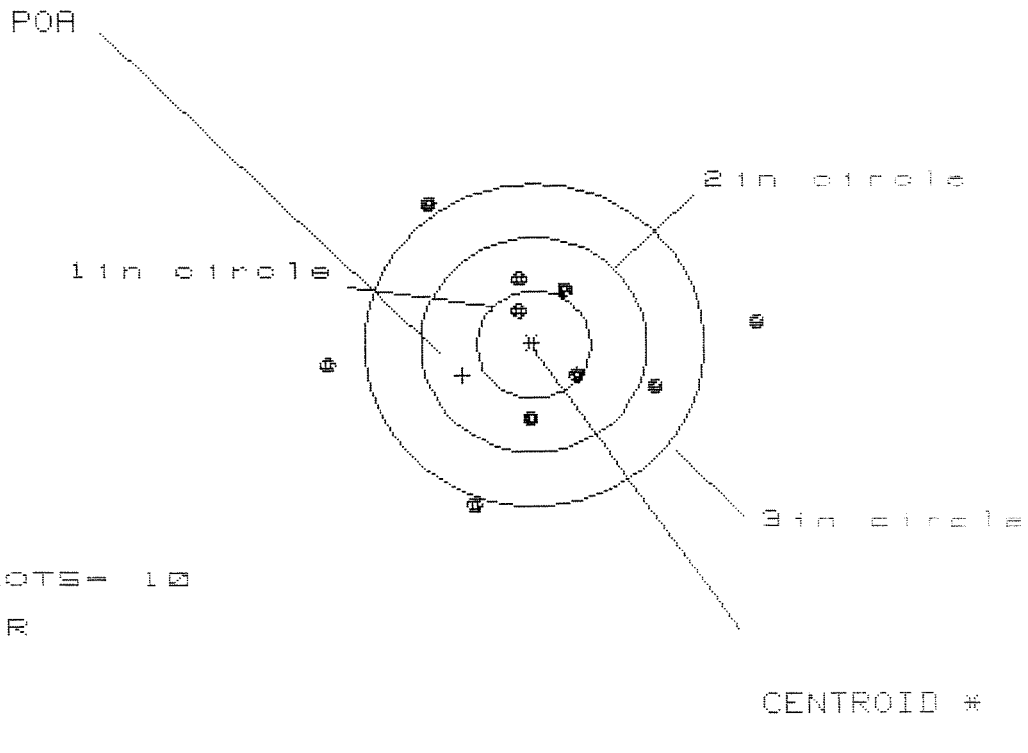
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.779	.619	.687
MINIMUM X	:	-1.436	-1.072	-.995
MAXIMUM Y	:	1.052	1.011	.995
MINIMUM Y	:	-1.117	-1.158	-1.032
CENTROID X	:	.162	.322	.245
CENTROID Y	:	.240	.281	.155
POA TO CENTROID in.	:	.290	.428	.290
MIN RADIUS	:	.413	.255	.344
MEAN RADIUS	:	.988	.897	.869
MAX RADIUS	:	1.482	1.304	1.157
HORIZONTAL SPREAD	:	2.215	1.691	1.682
VERTICAL SPREAD	:	2.169	2.169	2.027
EXTREME SPREAD	:	2.630	2.488	2.053
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/06702827

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 6

HS= 3.800

VS= 2.883

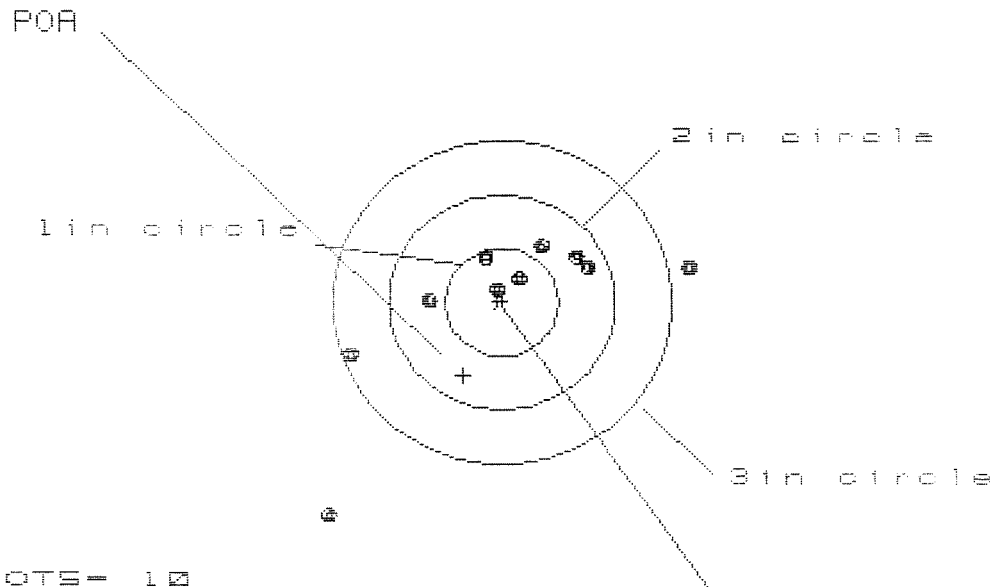
GS= 3.821

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.930	1.247	1.040
MINIMUM X	:	-1.870	-1.656	-.934
MAXIMUM Y	:	1.351	1.375	1.357
MINIMUM Y	:	-1.532	-1.508	-1.526
CENTROID X	:	.629	.415	.622
CENTROID Y	:	.284	.260	.279
POA TO CENTROID in.	:	.691	.490	.682
MIN RADIUS	:	.343	.371	.346
MEAN RADIUS	:	1.086	1.011	.881
MAX RADIUS	:	1.942	1.663	1.647
HORIZONTAL SPREAD	:	3.800	2.903	1.974
VERTICAL SPREAD	:	2.883	2.883	2.883
EXTREME SPREAD	:	3.821	2.919	2.919
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C8702827

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 3.150

VS= 2.455

GS= 3.891

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.611	1.440	.807
MINIMUM X	-1.539	-1.478	-1.298
MAXIMUM Y	.522	.307	.324
MINIMUM Y	-1.933	-.736	-.719
CENTROID X	.342	.513	.333
CENTROID Y	.679	.894	.877
POA TO CENTROID in.	.760	1.031	.938
MIN RADIUS	.089	.036	.111
MEAN RADIUS	.925	.674	.587
MAX RADIUS	2.471	1.651	1.484
HORIZONTAL SPREAD	3.150	2.918	2.105
VERTICAL SPREAD	2.455	1.043	1.043
EXTREME SPREAD	3.891	3.046	2.271
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	