

C6522214

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead®

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ M24

SERIAL NO. C6522214

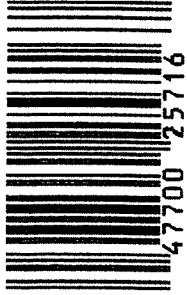
ORDER NO. 5716

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



5716 C6522214

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522214

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1019 50		RW
600	Proof	1019 50		RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		10/23/90	KR
	Magnaflux Bolt		10/23/90	KR
615	Rollmark Caliber		10/23/90	GL
617	Drill and Tap Sight Holes		10/26/90	LS
618	Polish Barrel MB		10/29/90	MB
620	Apply Coatings (Barrel Action)		11-7-90	TJA
	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		11/24/90	RL

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	3.25	3.50	3.50	11-29-90	KT		
	G) Safety Off Force	2.25	2.25	2.0	11-29-90	KT		
	H) Trigger Pull Test & Retainability				11/29/90	DT		
	I) Firing Pin Indent	.020	.022	.021	11-29-90	KT		
	J) Assemble Stock				12/5/90	RW		
	K) Assemble Swivel Studs				12-6-90	q28		
	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	VF		
	A) Time				"	VF		
	B) Malfunctions				"	VF		
	C) Pierced Primers				"	VF		
	D) Optical Clarity of Scope				"	VF		
645	Inspect for Live Ammo				12/5/90	VF		
655	Final Inspection							
	A) Headspace				12-6-90	q28		
	B) Trigger Pull	204	255	257	263	279	12-6-90	q28
	C) Function						12-6-90	q28
660	Pack						12-19-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6522214

DATE 11-29-90

TESTER JAL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.35	2.34	264	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.15	2.48	2.45	255	
PULL #3	2.32	2.46	2.41	257	
PULL #4	2.38	2.37	2.33	263	
PULL #5	2.40	2.48	2.31	279	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.41		
PULL #2	3.38	3.48		
PULL #3	3.37	3.39		
PULL #4	3.39	3.24		
PULL #5	3.48	3.42		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.33		4.41
PULL #2	4.47	4.42		4.38
PULL #3	4.41	4.41		4.31
PULL #4	4.13	4.32		4.31
PULL #5	4.37	4.43		4.12
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522214
6 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.182631
1 TO	2	.20297
1 TO	3	.291986
1 TO	4	.290016
1 TO	5	.270298

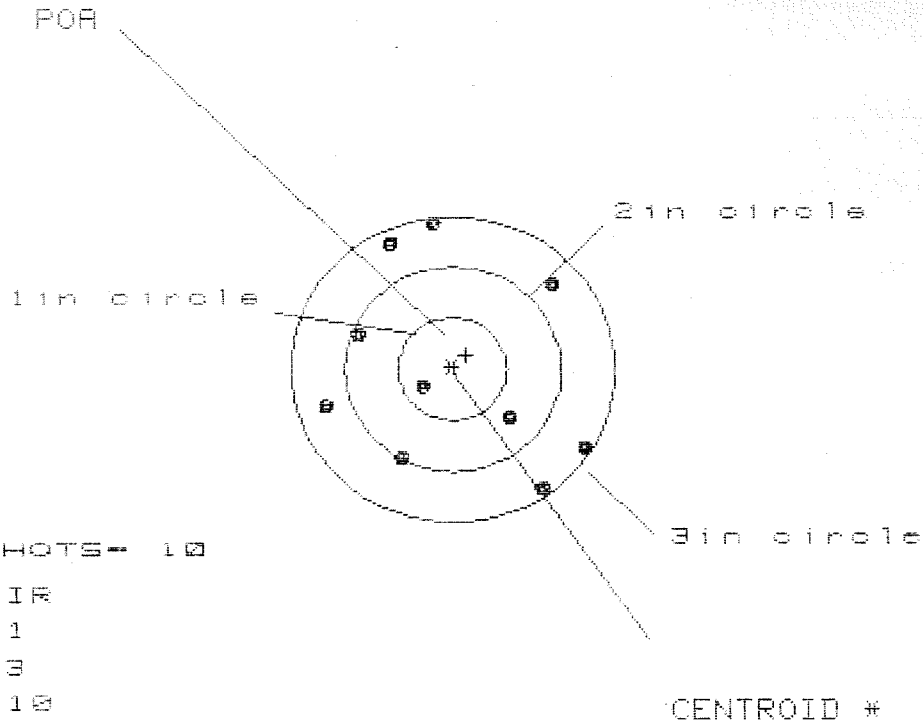
⊗ ←---POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0434
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.056
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .07244
THE AMR FOR THIS RIFLE IS: 1.086

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522214

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 10

HS= 2.443

VS= 2.639

GS= 2.848

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.244	1.084	1.080
MINIMUM X	-1.199	-1.061	-1.065
MAXIMUM Y	1.462	1.373	1.350
MINIMUM Y	-1.177	-1.266	-1.094
CENTROID X	-.123	-.261	-.257
CENTROID Y	-.135	-.046	-.218
POA TO CENTROID in.	.183	.265	.337
MIN RADIUS	.359	.315	.202
MEAN RADIUS	1.133	1.079	1.015
MAX RADIUS	1.480	1.616	1.483
HORIZONTAL SPREAD	2.443	2.145	2.145
VERTICAL SPREAD	2.639	2.639	2.444
EXTREME SPREAD	2.848	2.848	2.848
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	10		

8 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522214

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS= 3.775

VS= 3.016

GS= 3.803

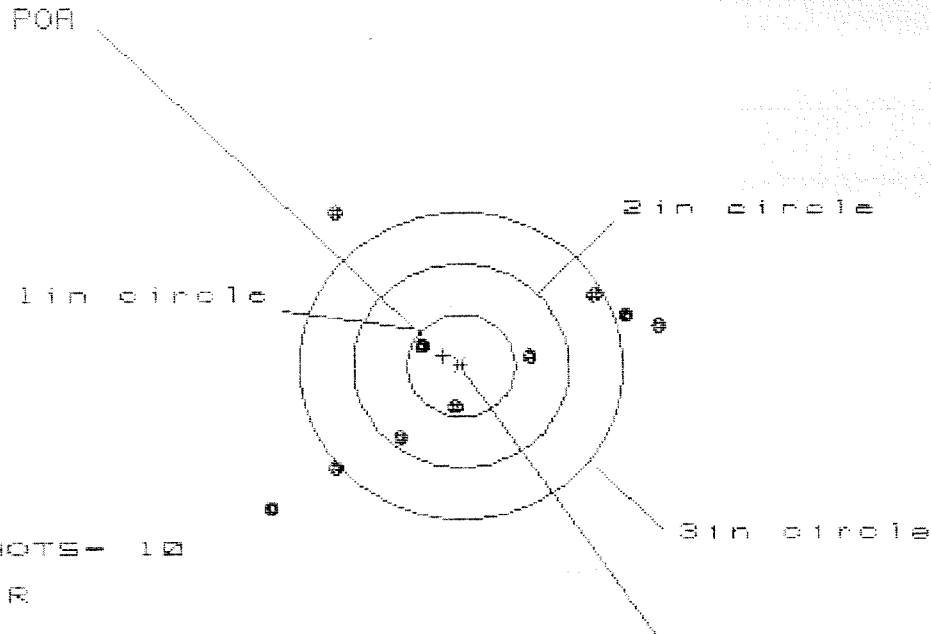
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.439	1.180	1.202
MINIMUM X	:	-2.336	-1.554	-1.532
MAXIMUM Y	:	1.336	1.327	1.116
MINIMUM Y	:	-1.680	-1.689	-1.710
CENTROID X	:	.066	.325	.303
CENTROID Y	:	-.209	-.200	.011
POA TO CENTROID in.	:	.219	.382	.303
MIN RADIUS	:	.493	.539	.733
MEAN RADIUS	:	1.258	1.114	1.043
MAX RADIUS	:	2.337	1.698	1.571
HORIZONTAL SPREAD	:	3.775	2.734	2.734
VERTICAL SPREAD	:	3.016	3.016	1.826
EXTREME SPREAD	:	3.803	3.045	2.782
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522214

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 5

HS= 3.616

VS= 2.846

GS= 4.039

CENTROID #

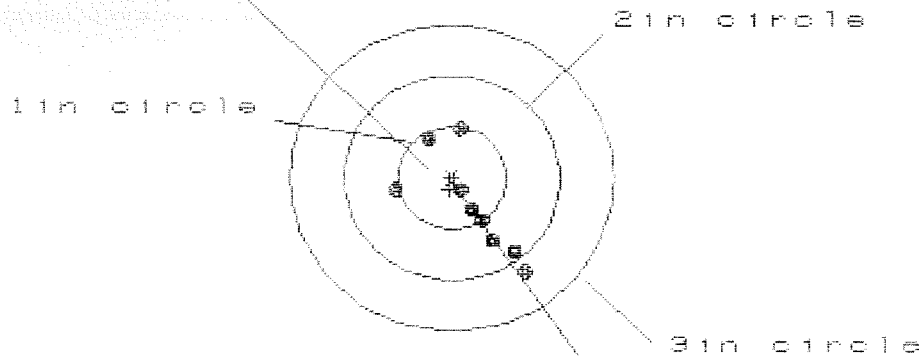
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.806	1.605	1.434
MINIMUM X	-1.810	-1.377	-1.548
MAXIMUM Y	1.478	1.326	.728
MINIMUM Y	-1.368	-1.177	-1.011
CENTROID X	.167	.368	.539
CENTROID Y	-.101	.051	-.115
POA TO CENTROID in.	.195	.371	.552
MIN RADIUS	.376	.420	.276
MEAN RADIUS	1.296	1.180	1.064
MAX RADIUS	2.268	1.911	1.849
HORIZONTAL SPREAD	3.616	2.982	2.982
VERTICAL SPREAD	2.846	2.503	1.739
EXTREME SPREAD	4.039	3.319	3.319
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	5		

6 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522214

CENTERFIRE PATTERNS # 4

POR



OF SHOTS = 10

IN CIR

1in = 4

2in = 0

3in = 0

HS = 2.090

VS = 2.988

GS = 3.646

CENTROID #

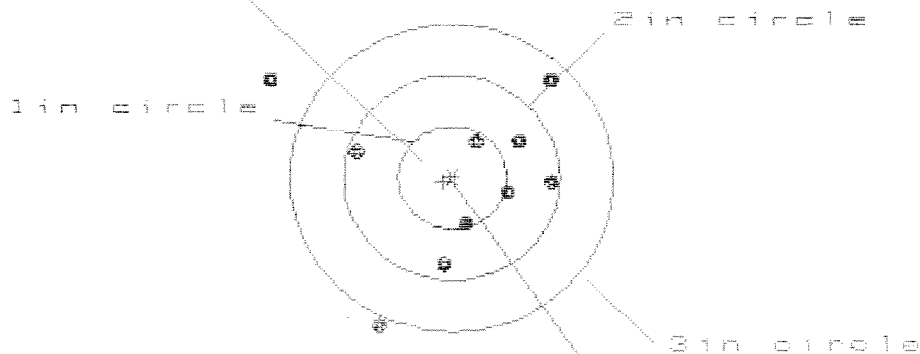
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.651	.491	.444
MINIMUM X	:	-1.439	-.726	-.665
MAXIMUM Y	:	2.121	.722	.643
MINIMUM Y	:	-.867	-.631	-.549
CENTROID X	:	.024	.184	.123
CENTROID Y	:	.115	-.121	-.042
POR TO CENTROID in.	:	.117	.220	.130
MIN RADIUS	:	.116	.050	.079
MEAN RADIUS	:	.772	.498	.466
MAX RADIUS	:	2.563	.799	.706
HORIZONTAL SPREAD	:	2.090	1.217	1.109
VERTICAL SPREAD	:	2.988	1.353	1.192
EXTREME SPREAD	:	3.646	1.534	1.341
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			9	

8 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6522214

CENTERFIRE PATTERNS # 5

POA



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS = 2.640

VS = 2.386

GS = 2.896

CENTROID #

PATTERN #

5

	10	9	8
SHOTS (BEST OF)			
MAXIMUM X	.935	.746	.632
MINIMUM X	-1.785	-1.069	-1.183
MAXIMUM Y	.987	1.086	.925
MINIMUM Y	-1.399	-1.289	-.853
CENTROID X	.083	.272	.386
CENTROID Y	.040	-.070	.091
POA TO CENTROID in.	.092	.281	.397
MIN RADIUS	.403	.321	.293
MEAN RADIUS	.971	.809	.685
MAX RADIUS	1.970	1.579	1.195
HORIZONTAL SPREAD	2.640	1.815	1.815
VERTICAL SPREAD	2.386	2.375	1.778
EXTREME SPREAD	2.896	2.896	2.060
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

BARBER: M24-0002918 RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18373

INITIAL FDC CUSTOMER ORDER NO. DAAA09-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

Scope # 90-0804

DATE RECEIVED 06/11/94 DATE OPENED 06/11/94 DATE CODE

SERIAL NUMBER C6522214

NEW SERIAL NUMBER

MODEL AND GRADE 700 7.62

NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

AL 36201-5025

CUST NO: 098397 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

FRT

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

✓ Barrel 643.42
✓ Stock 471.11
Trigger Assy 173.31
✓ Firing Pin Assy 9.96
✓ Mag Spring 1.70
✓ Bolt Release Stop 1.10
CTV 50.00
\$1350.60

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
			WB	WB	
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
			1/23/96	1/23/96	

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 000299802957

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522214DATE 11-1-95TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.44	2.41		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.57	2.70		
PULL #3	2.63	2.41	2.65		
PULL #4	2.65	2.43	2.69		
PULL #5	2.68	2.49	2.70		
TOTAL	12.82	12.34	13.35		
AVG.	2.56	2.46	2.67		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.04		
PULL #2	3.03	3.05		
PULL #3	3.12	3.09		
PULL #4	3.11	3.02		
PULL #5	3.06	3.16		
TOTAL	15.38	15.36		
AVG.	3.07	3.07		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	4.03	4.01	
PULL #2	4.08	4.26	4.09	
PULL #3	4.09	4.08	4.10	
PULL #4	4.00	4.05	4.01	
PULL #5	4.18	4.24	4.14	
TOTAL	20.37	20.66	20.35	
AVG.	4.07	4.13	4.07	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 652 2214

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			

BARBER - M24 0002921		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			1/25/96	WB
	G) Safety Off Force	3	3	3			1/25/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.021	.020	.020			1/25/96	WB
	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						1/22/96	WB
	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	2.75	2.80	2.78	2.79	2.80	1/25/96	WB
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522214
1 Jan 1980

CENTROIDAL DISTANCES

0 TO	1	1.53935
1 TO	2	.345353
1 TO	3	.298223
1 TO	4	.461017
1 TO	5	.686822

4
3
5

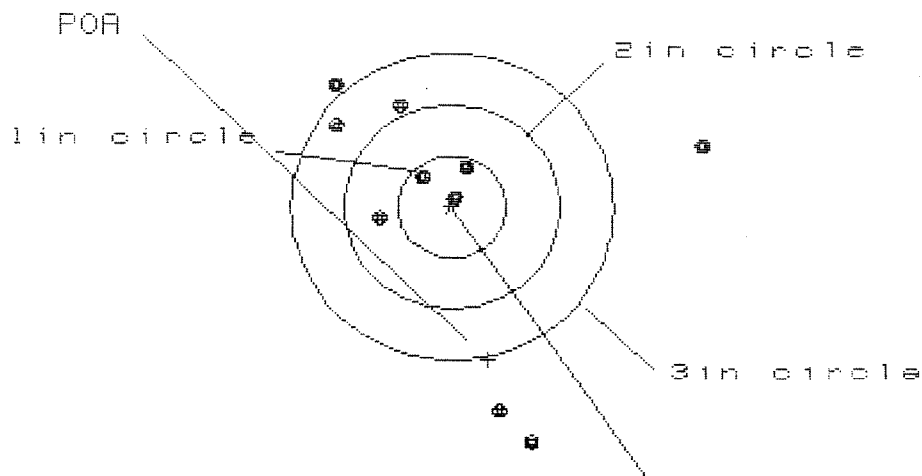
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1058
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.243
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.24749
THE AMR FOR THIS RIFLE IS: .9762

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08522214

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

CENTROID *

IN CIR

1in = 3

2in = 4

3in = 3

HS= 3.413

VS= 3.504

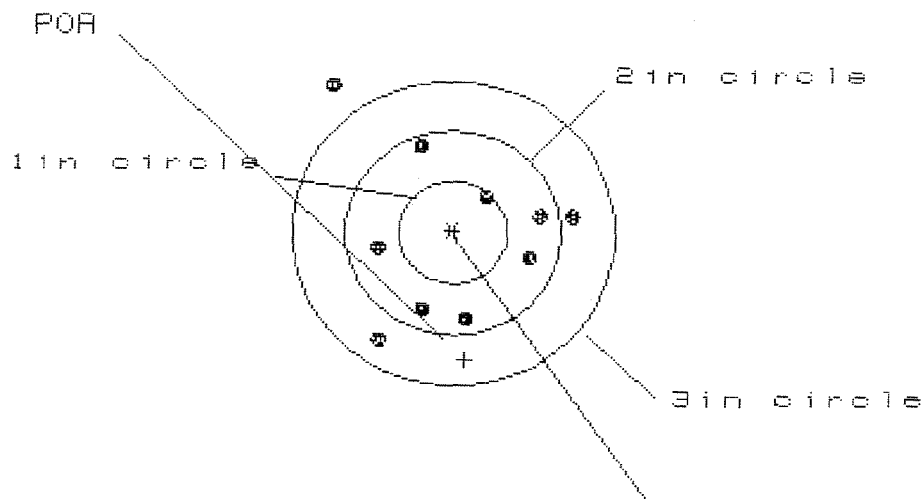
GS= 3.939

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.329	.974	.764
MINIMUM X	:	-1.084	-.826	-.704
MAXIMUM Y	:	1.208	1.276	.998
MINIMUM Y	:	-2.296	-2.228	-2.212
CENTROID X	:	-.328	-.586	-.708
CENTROID Y	:	1.504	1.436	1.714
POA TO CENTROID in.	:	1.540	1.551	1.855
MIN RADIUS	:	.083	.339	.195
MEAN RADIUS	:	1.255	1.118	.866
MAX RADIUS	:	2.409	2.432	2.341
HORIZONTAL SPREAD	:	3.413	1.800	1.468
VERTICAL SPREAD	:	3.504	3.504	3.210
EXTREME SPREAD	:	3.939	3.939	3.530
NUMBER IN ONE INCH CIRCLE =	:	3		

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08522214

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.142

VS= 2.461

GS= 2.544

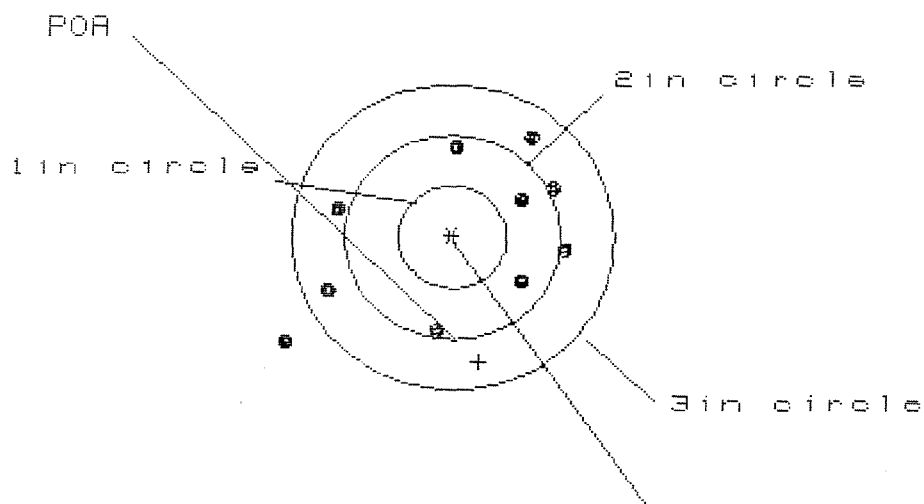
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.077	.959	.859
MINIMUM X	:	-1.065	-.811	-.911
MAXIMUM Y	:	1.435	1.036	.928
MINIMUM Y	:	-1.026	-.867	-.766
CENTROID X	:	-.103	.015	.115
CENTROID Y	:	1.242	1.083	1.191
POA TO CENTROID in.	:	1.247	1.083	1.197
MIN RADIUS	:	.400	.487	.361
MEAN RADIUS	:	.937	.819	.755
MAX RADIUS	:	1.787	1.178	1.046
HORIZONTAL SPREAD	:	2.142	1.770	1.770
VERTICAL SPREAD	:	2.401	1.963	1.904
EXTREME SPREAD	:	2.544	2.118	1.791
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08522214

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 9

HS= 2.665

VS= 1.955

GS= 3.090

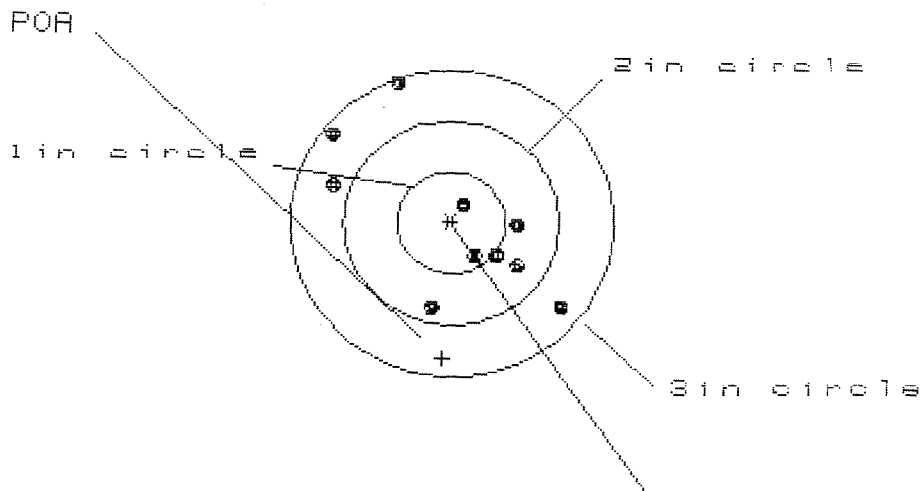
CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.058	.879	.714
MINIMUM X	-1.607	-1.324	-1.395
MAXIMUM Y	.975	.867	.787
MINIMUM Y	-.980	-1.047	-1.127
CENTROID X	-.237	-.058	.107
CENTROID Y	1.220	1.328	1.408
POA TO CENTROID in.	1.242	1.330	1.412
MIN RADIUS	.731	.522	.343
MEAN RADIUS	1.084	.950	.835
MAX RADIUS	1.882	1.468	1.398
HORIZONTAL SPREAD	2.665	2.203	2.109
VERTICAL SPREAD	1.955	1.914	1.914
EXTREME SPREAD	3.090	2.445	2.150
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

1 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06522214

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

CENTROID #

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.101

VS = 2.186

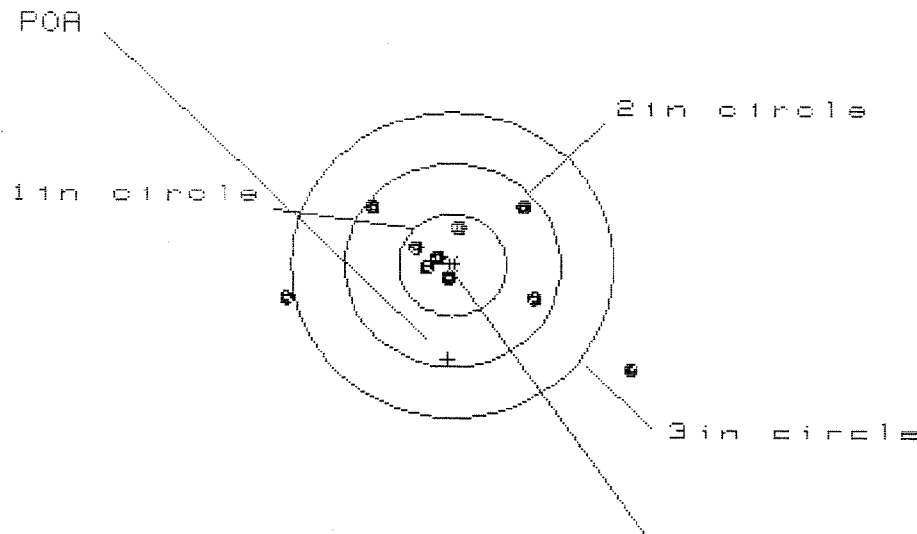
GS = 2.682

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.959	.906	.766
MINIMUM X	-1.142	-1.195	-1.335
MAXIMUM Y	1.334	1.053	.654
MINIMUM Y	-.852	-.703	-.572
CENTROID X	.096	.149	.289
CENTROID Y	1.323	1.174	1.043
POA TO CENTROID IN.	1.326	1.184	1.082
MIN RADIUS	.155	.214	.030
MEAN RADIUS	.848	.746	.578
MAX RADIUS	1.418	1.538	1.487
HORIZONTAL SPREAD	2.101	2.101	2.101
VERTICAL SPREAD	2.186	1.756	1.226
EXTREME SPREAD	2.682	2.682	2.433
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 5

2 in = 8

3 in = 8

HS= 3.199

VS= 1.643

GS= 3.276

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.684	.979	.813
MINIMUM X	:	-1.515	-1.328	-.766
MAXIMUM Y	:	.615	.501	.446
MINIMUM Y	:	1.320	.404	.403
CENTROID X	:	.043	-.144	.022
CENTROID Y	:	.926	1.040	1.095
POA TO CENTROID in.	:	.927	1.050	1.095
MIN RADIUS	:	.120	.040	.140
MEAN RADIUS	:	.757	.572	.487
MAX RADIUS	:	1.973	1.397	.935
HORIZONTAL SPREAD	:	3.199	2.307	1.579
VERTICAL SPREAD	:	1.643	.935	.909
EXTREME SPREAD	:	3.276	2.369	1.791
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	