

06587702

MODEL 700™ M24

Model **SMS**™

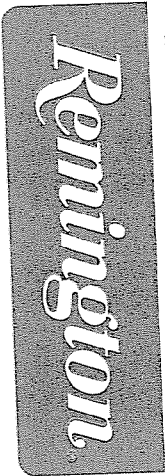
Action _____

Barrel Length _____

Capacity _____

Order No. **5715**

* Includes 1 in chamber.



BARBER - M24 0025489

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

Remington®
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

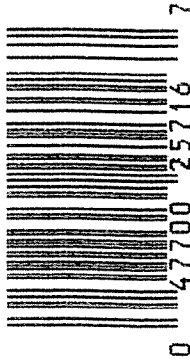
SERIAL NO.
C6587702

ORDER NO.
5716

01

5716 C6587702

LIPC



CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ~~0025489~~ 25528

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587702

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY ASSURED	10/18/90	KA
600	Proof		10/18/90	KA
607	Check Headspace		10/18/90	KA
610	Dis-assemble Gun		10/18/90	KA
612	Magnaflux Barrel Action		10/22/90	KR
	Magnaflux Bolt		10/22/90	KR
615	Rollmark Caliber		10/22/90	LL
617	Drill and Tap Sight Holes		10/23/90	FB
618	Polish Barrel RB		10/24/90	WLB
620	Apply Coatings (Barrel Action)		11-1-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	KS
	C) Inspect Ejector Hole for Chamfer		11/7/90	KS
	D) Oil Firing Pin Ass'y		11/7/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11-8-90	JA

BARBER - M24 0025491

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5 1/2	11/7/90	KS
	G) Safety Off Force	3 1/2	2 3/4	2 3/4	11/7/90	KS
	H) Trigger Pull Test & Retainability				11-8-90	98
	I) Firing Pin Indent	.020	.022	.022	11/7/90	KS
	J) Assemble Stock				11/9/90	KS
	K) Assemble Swivel Studs				11/19/90	98
	L) Attach Front and Rear Sight Assemblies				11/9/90	KS
	M) Iron Sight Alignment				11/9/90	KS
	N) Detach Front & Rear Sights & place in numbered container				11/9/90	KS
	O) Attach Scope to Rifle				11/9/90	KS
	P) Detach & Attach Scope 20 Times				11/9/90	KS
640	Gallery Target & Test				11-13-90	DH
	A) Time				11-13-90	DH
	B) Malfunctions				11-13-90	DH
	C) Pierced Primers				11-13-90	DH
	D) Optical Clarity of Scope				11-13-90	DH
645	Inspect for Live Ammo				11-13-90	DH
655	Final Inspection					
	A) Headspace				11/19/90	98
	B) Trigger Pull	226	229	226	11/19/90	98
	C) Function				11/19/90	98
660	Pack				12-17-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587702

DATE 11-8-90

TESTER J21

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.19	2.17	2.34	226	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.36	2.21	229	
PULL #3	2.23	2.23	2.20	226	
PULL #4	2.11	2.31	2.38	222	
PULL #5	2.15	2.22	2.20	227	
TOTAL	10.93	11.29	11.33		
AVG.	2.186	2.258	2.266		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.42		
PULL #2	3.43	3.47		
PULL #3	3.41	3.38		
PULL #4	3.40	3.37		
PULL #5	3.39	3.38		
TOTAL	17.07	17.02		
AVG.	3.414	3.404		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.29		4.36
PULL #2	4.24	4.32		4.37
PULL #3	4.12	4.33		4.16
PULL #4	4.25	4.33		4.37
PULL #5	4.29	4.28		4.43
TOTAL	21.23	21.55		21.69
AVG.	4.246	4.31		4.338

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587702
13 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.284851
1 TO	2	.130096
1 TO	3	.60499
1 TO	4	.221326
1 TO	5	.284398

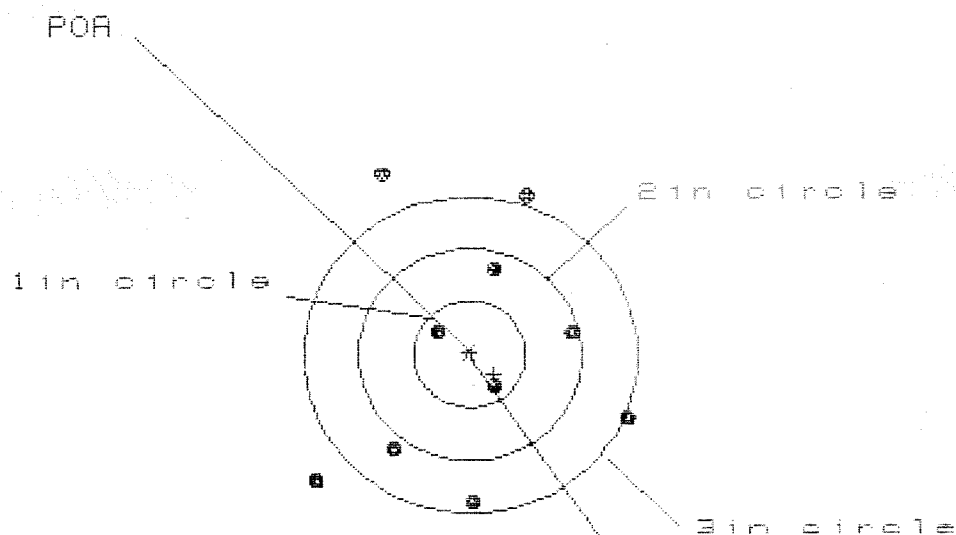
4³ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0754
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1116
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .134684
THE AMR FOR THIS RIFLE IS: 1.009

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587702

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 7

HS = 2.755

VS = 3.097

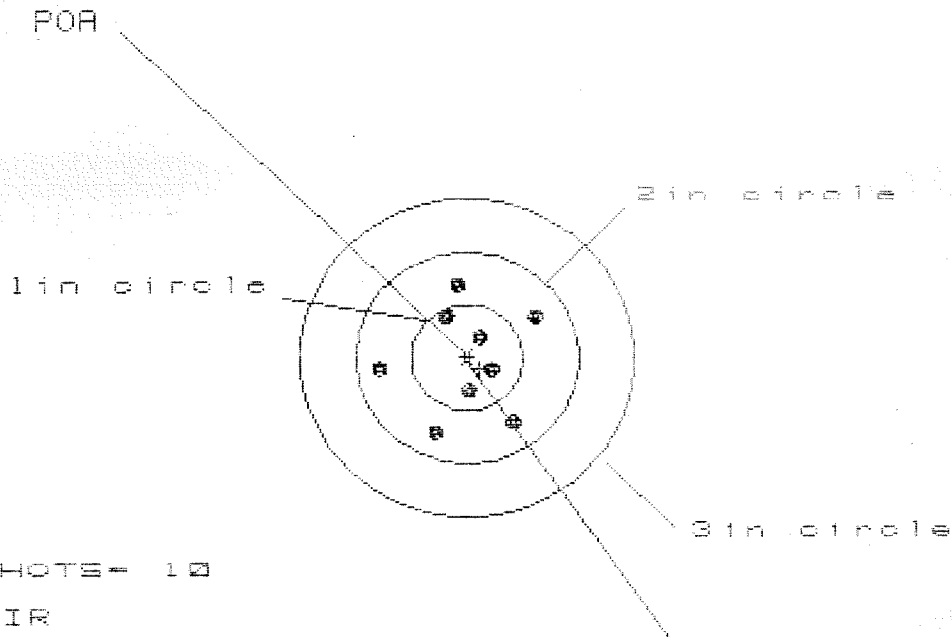
GS = 3.301

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.380	1.291	1.108
MINIMUM X	-1.375	-1.464	-1.988
MAXIMUM Y	1.724	1.671	1.542
MINIMUM Y	-1.373	-1.181	-1.310
CENTROID X	-.214	-.125	.058
CENTROID Y	.188	-.004	.125
POA TO CENTROID in.	.285	.125	.137
MIN RADIUS	.359	.151	.257
MEAN RADIUS	1.178	1.080	.979
MAX RADIUS	1.901	1.788	1.564
HORIZONTAL SPREAD	2.755	2.755	2.096
VERTICAL SPREAD	3.097	2.852	2.852
EXTREME SPREAD	3.301	3.301	2.906
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587702

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 5

2 in = 10

3 in = 10

HS= 1.340

VS= 1.378

GS= 1.410

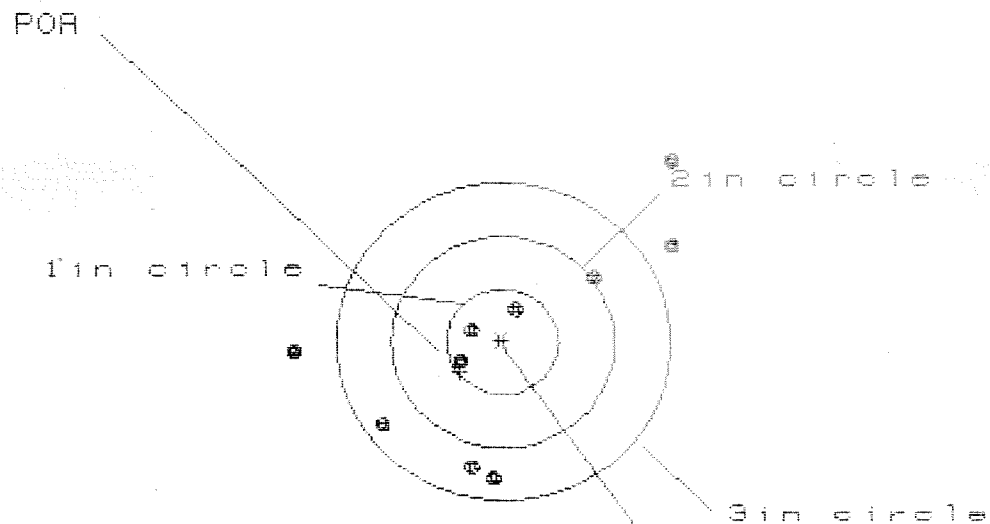
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.568	.482	.437
MINIMUM X	:	-.772	-.364	-.343
MAXIMUM Y	:	.662	.655	.565
MINIMUM Y	:	-.716	-.723	-.737
CENTROID X	:	-.113	-.027	.018
CENTROID Y	:	.106	.113	.203
POA TO CENTROID in.	:	.155	.116	.204
MIN RADIUS	:	.173	.134	.075
MEAN RADIUS	:	.507	.463	.404
MAX RADIUS	:	.775	.809	.793
HORIZONTAL SPREAD	:	1.340	.846	.780
VERTICAL SPREAD	:	1.378	1.378	1.302
EXTREME SPREAD	:	1.410	1.401	1.401
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587702

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 3

2in = 4

3in = 7

HS = 3.446

VS = 3.000

GS = 3.854

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.552	1.723	1.508
MINIMUM X	:	-1.894	-1.723	-1.170
MAXIMUM Y	:	1.708	1.078	1.097
MINIMUM Y	:	-1.292	-1.102	-1.083
CENTROID X	:	.383	.212	.427
CENTROID Y	:	.286	.096	.077
POA TO CENTROID in.	:	.478	.233	.434
MIN RADIUS	:	.289	.211	.424
MEAN RADIUS	:	1.194	1.043	.976
MAX RADIUS	:	2.301	2.032	1.864
HORIZONTAL SPREAD	:	3.446	3.446	2.678
VERTICAL SPREAD	:	3.000	2.180	2.180
EXTREME SPREAD	:	3.854	3.568	3.181
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587782

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 3

3in = 7

HS = 2.392

VS = 3.215

GS = 3.499

CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.380	1.304	1.381
MINIMUM X	:	-1.012	-1.088	-1.011
MAXIMUM Y	:	1.667	1.271	1.101
MINIMUM Y	:	-1.548	-1.363	-1.146
CENTROID X	:	-.370	-.294	-.371
CENTROID Y	:	.031	-.154	.017
POA TO CENTROID in.	:	.372	.332	.371
MIN RADIUS	:	.400	.456	.415
MEAN RADIUS	:	1.140	1.055	.988
MAX RADIUS	:	1.803	1.600	1.514
HORIZONTAL SPREAD	:	2.392	2.392	2.392
VERTICAL SPREAD	:	3.215	2.634	2.247
EXTREME SPREAD	:	3.499	3.077	2.853
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587702

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 10

HS= 2.786

VS= 2.031

GS= 2.822

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.304	1.139	1.249
MINIMUM X	-1.482	-1.158	-1.048
MAXIMUM Y	1.094	1.076	.956
MINIMUM Y	-.937	-.955	-.683
CENTROID X	-.063	.102	-.008
CENTROID Y	-.053	-.035	.085
POA TO CENTROID in.	.082	.108	.085
MIN RADIUS	.098	.153	.051
MEAN RADIUS	1.028	.980	.919
MAX RADIUS	1.492	1.444	1.281
HORIZONTAL SPREAD	2.786	2.297	2.297
VERTICAL SPREAD	2.031	2.031	1.639
EXTREME SPREAD	2.822	2.743	2.441
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		10	

RECEIVING AND ESTIMATING REPORT

BARBER - M24 0025499

COMMENTS

ORDER
R 94-18319

INITIAL
FDC

CUSTOMER ORDER NO.
DAAA09-92-C-0834

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

DATE RECEIVED
06/11/94

DATE OPENED
06/11/94

DATE CODE

SERIAL NUMBER
C6587702

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

AL 36201-5025

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

AL
36201-5025

CUST NO: 098397 C.O.D.

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 \$643.45
Trigger Assy 173.31
CTI 50.00
\$866.73

REPAIRMAN	PROOF	CLEAN	TEST WB	TARGET WB	PATTERN
GALLERY TESTER	DATE	DATE	DATE 2/29/96	DATE 2/29/96	DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0025499 25538

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

SERIAL NO. C6587702DATE 2/26/96TESTER AW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.55	2.87	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.80	2.86	2.79	
PULL #3	2.62	2.80	2.79	
PULL #4	2.52	2.86	2.82	
PULL #5	2.39	2.71	2.68	
TOTAL	12.88	14.10	13.52	
AVG.	2.58	2.82	2.70	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.19	3.11	
PULL #2	3.47	3.18	
PULL #3	3.12	3.15	
PULL #4	3.07	3.31	
PULL #5	3.07	3.11	
TOTAL	15.92	15.86	
AVG.	3.18	3.17	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.00	4.42		4.09
PULL #2	4.31	4.46		3.96
PULL #3	4.50	4.40		4.18
PULL #4	4.41	4.40		4.18
PULL #5	4.24	4.36		3.98
TOTAL	21.46	22.04		20.39
AVG.	4.29	4.41		4.09

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587702

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 0025502

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			3/7	AC
	G) Safety Off Force	3	3	3			3/7	AC
	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	2.55	2.60	2.55	2.62	2.58	3/1/96	WB
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587702
2 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	1.16826
1 TO	2	.187779
1 TO	3	.231607
1 TO	4	.3214
1 TO	5	.672054

5 41

+ <----FOR

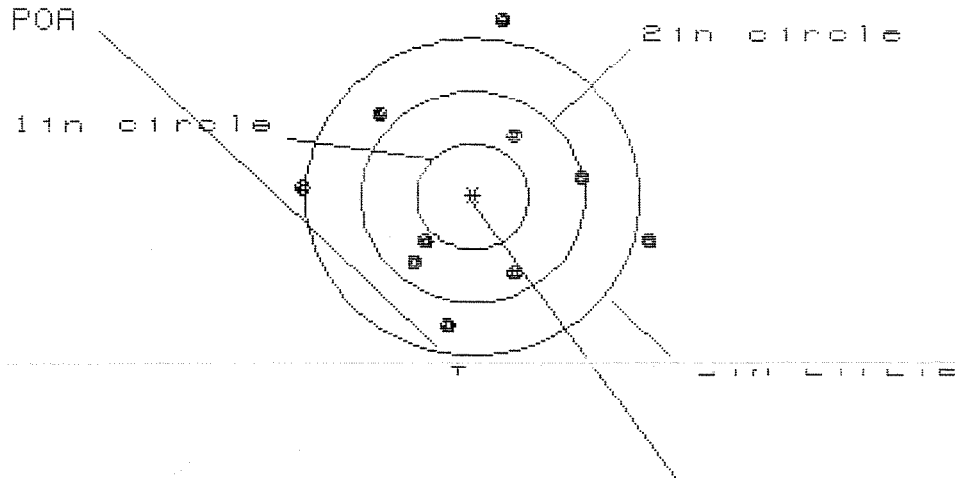
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1278
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.1338
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.14099

THE AMR FOR THIS RIFLE IS: 1.099

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08587782

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 7

HS= 3.095

VS= 2.917

GS= 3.131

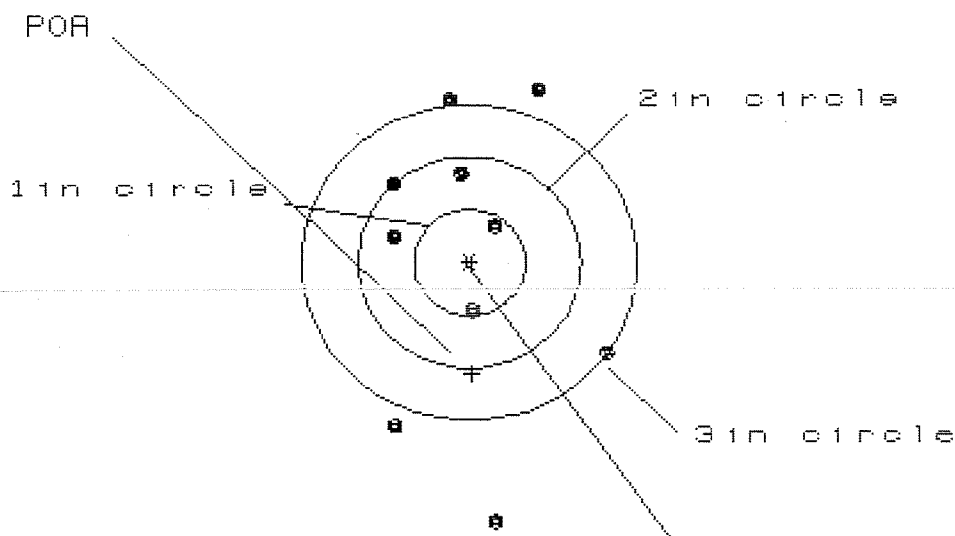
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.558	1.586	1.190
MINIMUM X	:	-1.537	-1.509	-1.310
MAXIMUM Y	:	1.688	.965	.936
MINIMUM Y	:	-1.229	-1.041	-1.070
CENTROID X	:	.130	.102	-.097
CENTROID Y	:	1.616	1.428	1.457
POA TO CENTROID in.	:	1.621	1.432	1.461
MIN RADIUS	:	.583	.446	.313
MEAN RADIUS	:	1.110	1.015	.921
MAX RADIUS	:	1.708	1.604	1.327
HORIZONTAL SPREAD	:	3.095	3.095	2.500
VERTICAL SPREAD	:	2.917	2.006	2.006
EXTREME SPREAD	:	3.131	3.131	2.506
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

2 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C8587702

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 5

HS= 1.947

VS= 4.119

GS= 4.141

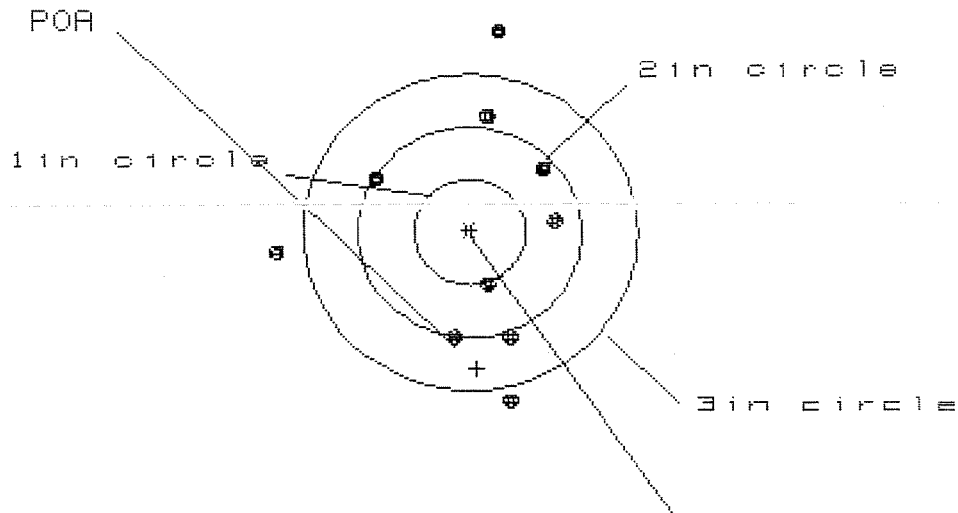
CENTROID #

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.256	1.281	1.367
MINIMUM X	:	-.691	-.666	-.580
MAXIMUM Y	:	1.687	1.416	1.425
MINIMUM Y	:	-2.432	-1.868	-1.691
CENTROID X	:	-.025	-.050	-.136
CENTROID Y	:	1.055	1.326	1.149
POA TO CENTROID in.	:	1.056	1.327	1.157
MIN RADIUS	:	.419	.229	.405
MEAN RADIUS	:	1.244	1.050	.998
MAX RADIUS	:	2.443	1.983	1.787
HORIZONTAL SPREAD	:	1.947	1.947	1.947
VERTICAL SPREAD	:	4.119	3.284	3.116
EXTREME SPREAD	:	4.141	3.550	3.152
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8587702

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

CENTROID #

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS= 2.453

VS= 3.556

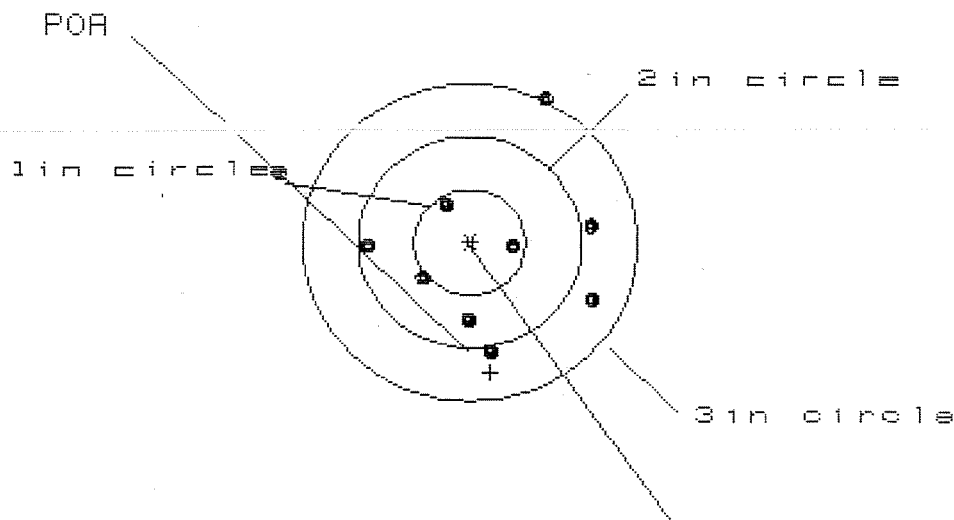
GS= 3.556

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.738	.771	.561
MINIMUM X	-1.715	-1.682	-.991
MAXIMUM Y	1.953	1.298	1.306
MINIMUM Y	-1.603	-1.386	-1.378
CENTROID X	-.061	-.094	.116
CENTROID Y	1.292	1.075	1.067
POA TO CENTROID in.	1.293	1.079	1.073
MIN RADIUS	.521	.327	.289
MEAN RADIUS	1.159	1.040	.928
MAX RADIUS	1.976	1.683	1.384
HORIZONTAL SPREAD	2.453	2.453	1.552
VERTICAL SPREAD	3.556	2.684	2.684
EXTREME SPREAD	3.556	2.687	2.687
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

2 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C8587782

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.830

VS= 2.335

GS= 3.077

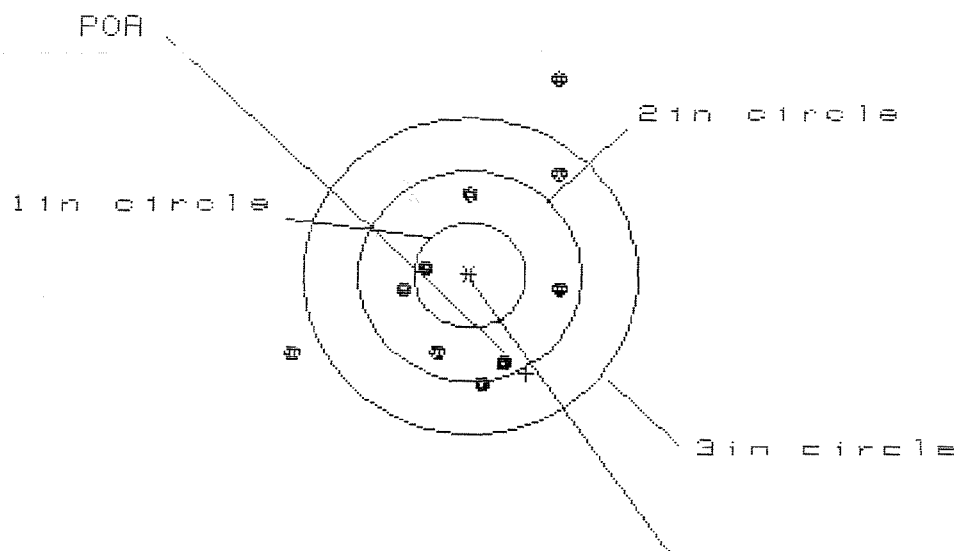
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.102	.910	.965
MINIMUM X	:	-1.728	-1.110	-1.055
MAXIMUM Y	:	1.348	1.426	.640
MINIMUM Y	:	-.987	-.909	-.731
CENTROID X	:	-.183	.009	-.046
CENTROID Y	:	1.234	1.156	.978
POA TO CENTROID in.	:	1.248	1.156	.979
MIN RADIUS	:	.402	.226	.373
MEAN RADIUS	:	.961	.841	.741
MAX RADIUS	:	1.864	1.493	1.072
HORIZONTAL SPREAD	:	2.830	2.020	2.020
VERTICAL SPREAD	:	2.335	2.335	1.371
EXTREME SPREAD	:	3.077	2.387	2.068
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 8

HS= 2.476

VS= 2.829

GS= 3.599

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.842	.918	.726
MINIMUM X	:	-1.634	-1.541	-.676
MAXIMUM Y	:	1.839	1.143	1.072
MINIMUM Y	:	-.990	-.785	-.856
CENTROID X	:	-.500	-.593	-.401
CENTROID Y	:	.927	.722	.793
POA TO CENTROID in.	:	1.053	.935	.889
MIN RADIUS	:	.378	.370	.504
MEAN RADIUS	:	1.020	.874	.787
MAX RADIUS	:	2.023	1.642	1.294
HORIZONTAL SPREAD	:	2.476	2.459	1.402
VERTICAL SPREAD	:	2.829	1.928	1.928
EXTREME SPREAD	:	3.599	2.996	2.055
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	