

BARBER - M24 0066044

FORM

UPC



C6649190

*INCLUDES 1 IN CHAMBER

CAPACITY C-6649190

BARREL LENGTH

ORDER NO.

5716

BARBER - M24 0066045

MODEL 700 TM M24

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

BARBER - M24 0066045 M2400066084

BARBER - M24 0066046

Remington



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

MODEL 700 TM M24

SERIAL NO.
C6649190

20

ORDER NO.
5716

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



5716 C6649190

ORDER **5716**
MODEL 700 TM M24
UPC

ORDER **5716**
MODEL 700 TM M24
UPC



INTERCHANGEABILITY

BARBER - M24 0066047

M-24

1301

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649190

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 1 91	91	RW
600	Proof	10 1 91	91	RW
607	Check Headspace	10 1 91	91	RW
610	Dis-assemble Gun	10 1 91	91	RW
612	Magnaflux Barrel Action		OCT 10 1991	KR
	Magnaflux Bolt		OCT 10 1991	KR
615	Rollmark Caliber		OCT 10 1991	GS
617	Drill and Tap Sight Holes		OCT 10 1991	LB
618	Polish Barrel		10/15/91	WB
620	Apply Coatings (Barrel Action)		11-2-91	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/1/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/1/91	RW
	C) Inspect Ejector Hole for Chamfer		11/1/91	RW
	D) Oil Firing Pin Ass'y		11/1/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		12-6-91	JA

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0066047 0066086

op. #	BARBER M24 0066048	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			12-6-91	SH
	G) Safety Off Force	3	3	3			12-6-91	SH
	H) Trigger Pull Test & Retainability						12-6-91	SH
	I) Firing Pin Indent	.0205	.0205	.0205			12-6-91	SH
	J) Assemble Stock						12/6/91	RW
	K) Assemble Swivel Studs						12-7-91	AC
	L) Attach Front and Rear Sight Assemblies						12/6/91	RW
	M) Iron Sight Alignment						12/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						12/6/91	RW
	O) Attach Scope to Rifle						12/6/91	RW
	P) Detach & Attach Scope 20 Times						12/6/91	RW
640	Gallery Target & Test						12-6-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						12-6-91	NF
655	Final Inspection							
	A) Headspace						12-7-91	AC
	B) Trigger Pull	2.20	2.17	2.15	2.14	2.19	12-7-91	D/H
	C) Function						12-7-91	AC
660	Pack						12-18-91	NF

Rebut 12/24/91

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649190DATE 12-6-91TESTER JU.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.38	2.41	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.44	2.39	2.17	
PULL #3	2.42	2.39	2.44	2.15	
PULL #4	2.20	2.35	2.36	2.14	
PULL #5	2.40	2.24	2.20	2.19	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.53	3.41		
PULL #2	3.37	3.27		
PULL #3	3.41	3.44		
PULL #4	3.55	3.41		
PULL #5	3.47	3.48		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.34		4.25
PULL #2	4.36	4.20		4.30
PULL #3	4.29	4.38		4.22
PULL #4	4.21	4.22		4.37
PULL #5	4.34	4.24		4.22
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649199
F Dec 1991

CENTROIDAL DISTANCES

0 TO	1	.259788
1 TO	2	.575418
1 TO	3	.270756
1 TO	4	.484695
1 TO	5	.729956

$\frac{1}{5} \sum_{i=1}^5 x_i$ (----POA)

THE AVERAGE X COORDINATE FOR THIS RIFLE IS: .0126
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2122
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .212574

MR FOR THIS RIFLE IS: 1.301

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08649190

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 0

2in = 3

3in = 7

HS= 3.072

VS= 3.619

GS= 4.140

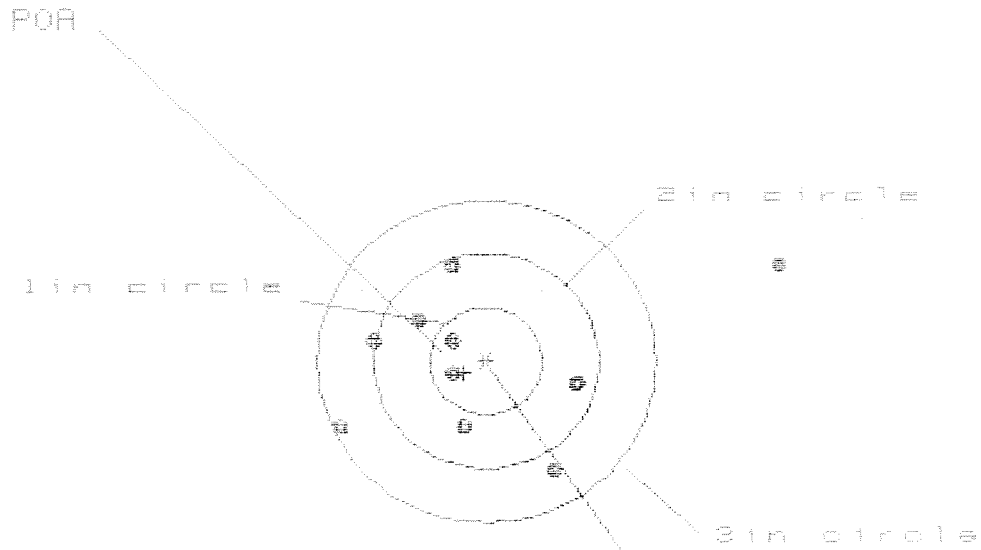
PATTERN #

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.244	1.051	.798
MINIMUM X	-1.028	-2.021	-.955
MAXIMUM Y	1.850	1.231	1.244
MINIMUM Y	-1.769	-1.564	-1.551
CENTROID X	.205	.398	.651
CENTROID Y	-.637	-.842	-.855
POA TO CENTROID in.	.669	.931	1.075
1IN RADIUS	.542	.580	.409
2IN RADIUS	1.328	1.149	.994
3IN RADIUS	2.537	2.024	1.560
HORIZONTAL SPREAD	3.072	3.072	1.757
VERTICAL SPREAD	3.619	2.795	2.795
SPREAD	4.140	3.072	2.876
INCH ONE INCH CIRCLE =	0		
INCH TWO INCH CIRCLE =	3		
INCH THREE INCH CIRCLE =	7		

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649190

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 3.991

VS= 1.859

GS= 4.244

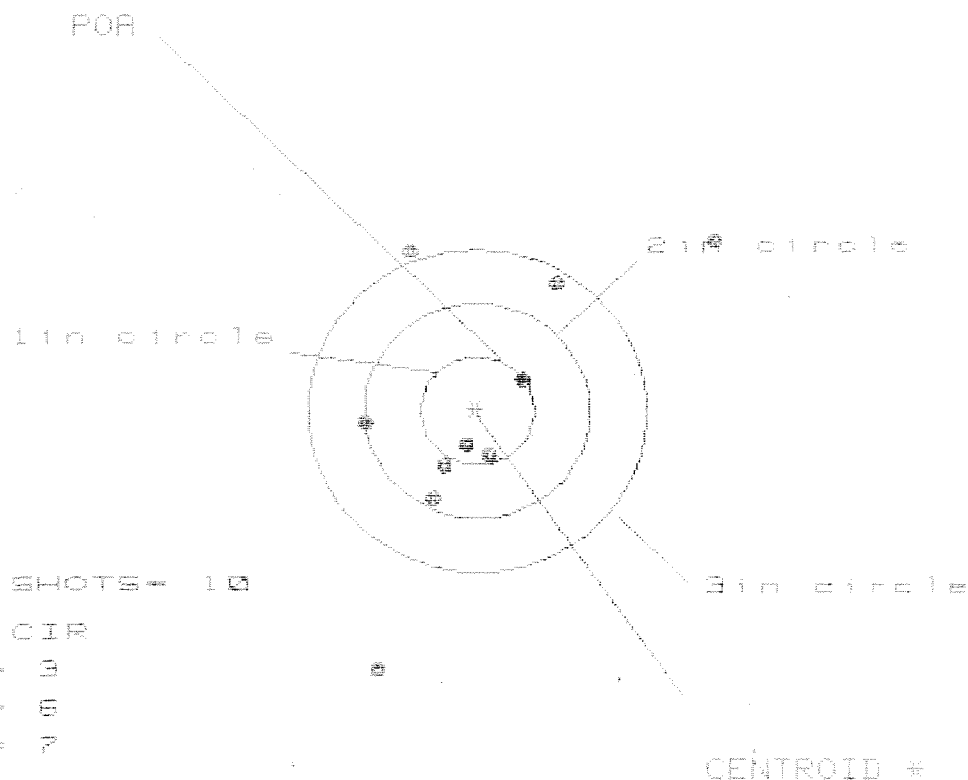
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.641	1.054	.922
MINIMUM X	:	-1.350	-1.057	-.873
MAXIMUM Y	:	.866	.961	.900
MINIMUM Y	:	-.993	-.898	-.959
CENTROID X	:	.201	-.092	.040
CENTROID Y	:	.108	.013	.074
POA TO CENTROID in.	:	.229	.093	.084
MIN RADIUS	:	.284	.034	.126
MEAN RADIUS	:	1.013	.740	.692
MAX RADIUS	:	2.777	1.285	1.240
HORIZONTAL SPREAD	:	3.991	2.111	1.795
VERTICAL SPREAD	:	1.859	1.859	1.859
EXTREME SPREAD	:	4.244	2.141	2.072
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8645190

CENTERFIRE PATTERNS # 3

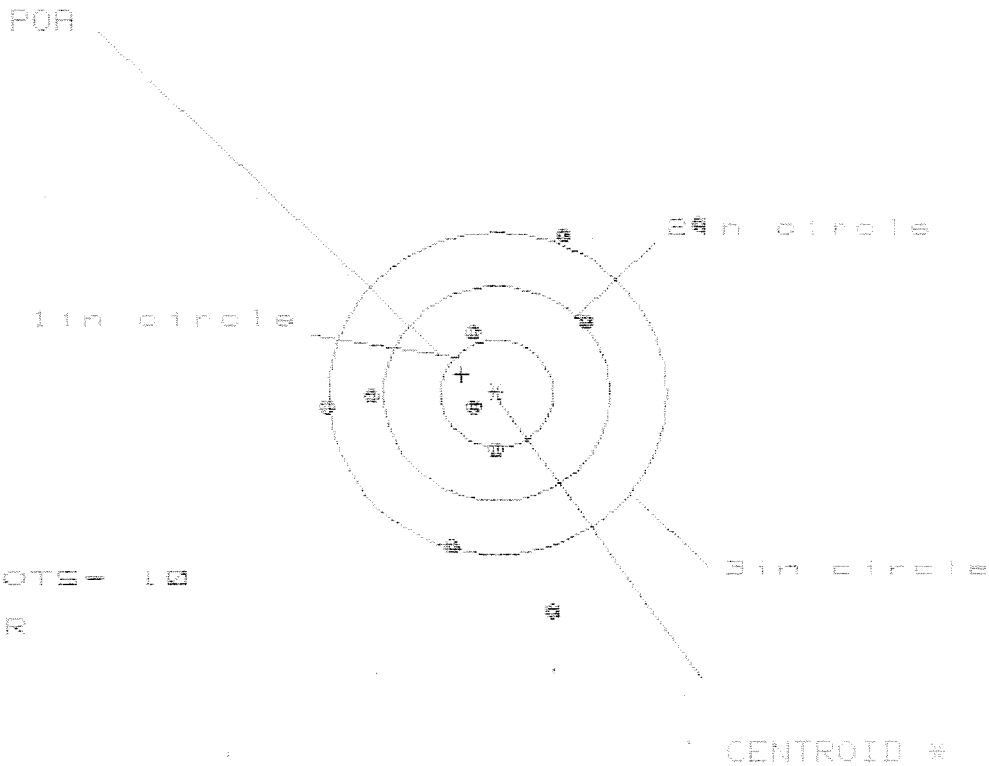


PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.064	.915	.832
MINIMUM X	-.969	-.739	-.822
MAXIMUM Y	1.620	1.667	1.393
MINIMUM Y	-2.375	-2.195	-.866
CENTROID X	-.406	-.636	-.553
CENTROID Y	-.289	-.469	-.195
POA TO CENTROID in.	.499	.790	.585
MIN RADIUS	.351	.197	.430
MEAN RADIUS	1.181	.963	.845
MAX RADIUS	2.624	2.292	1.459
HORIZONTAL SPREAD	3.033	1.654	1.654
VERTICAL SPREAD	3.995	3.862	2.259
EXTREME SPREAD	4.969	3.874	2.264
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

5 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649190

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 3.243

VS= 3.632

GS= 3.841

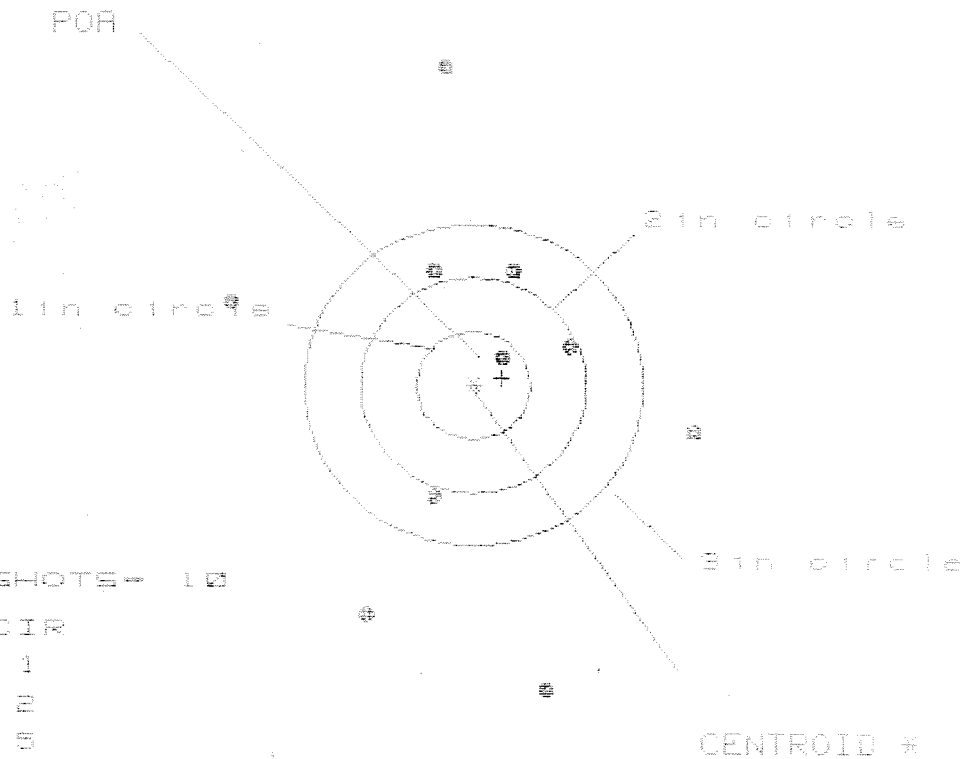
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.738	.958	1.043
MINIMUM X	-1.595	-1.312	-1.227
MAXIMUM Y	1.567	1.622	1.385
MINIMUM Y	-2.065	-1.890	-1.466
CENTROID X	.314	.121	.036
CENTROID Y	-.176	-.351	-.114
FOR TO CENTROID in.	.360	.371	.120
MIN RADIUS	.302	.073	.212
MEAN RADIUS	1.265	1.098	.980
MAX RADIUS	2.341	2.009	1.637
HORIZONTAL SPREAD	3.243	2.270	2.270
VERTICAL SPREAD	3.632	3.512	2.851
EXTREME SPREAD	3.841	3.514	3.033
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08649190

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 5

HS= 4.090

VS= 5.827

GS= 5.892

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.924	1.895	1.970
MINIMUM X	-2.166	-2.195	-2.120
MAXIMUM Y	2.984	1.384	1.070
MINIMUM Y	-2.843	-2.511	-2.133
CENTROID X	-.251	-.222	-.297
CENTROID Y	-.067	-.399	-.085
POR TO CENTROID in.	.259	.457	.308
MIN RADIUS	.414	.690	.458
MEAN RADIUS	1.718	1.601	1.418
MAX RADIUS	2.995	2.580	2.310
HORIZONTAL SPREAD	4.090	4.090	4.090
VERTICAL SPREAD	5.827	3.895	3.203
EXTREME SPREAD	5.892	4.541	4.258
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	5		

ER - M24 0066056
INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649190
14 Dec 1991

CENTROIDAL DISTANCES

0 TO	1	.183633
1 TO	2	.212
1 TO	3	.213712
1 TO	4	.201556
1 TO	5	.184166

✱ <----POA

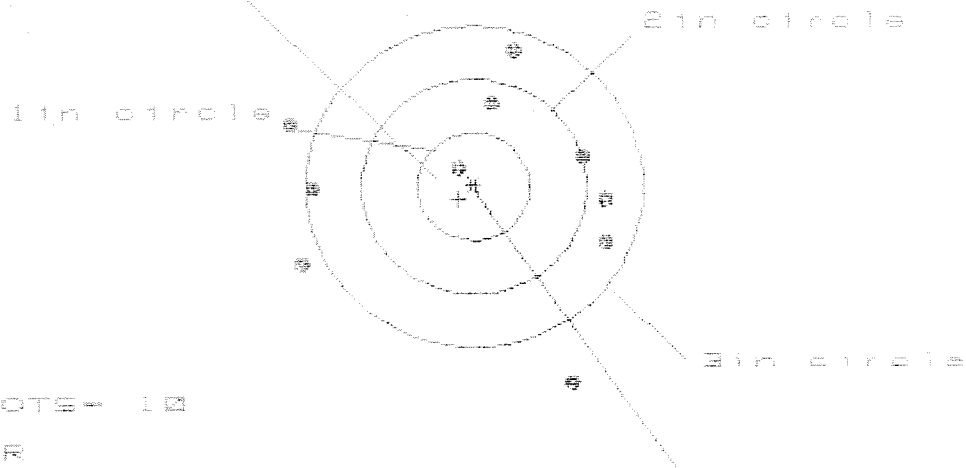
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0154
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1278
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .128725
THE AMR FOR THIS RIFLE IS: 1.065

14 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6645190.)

CENTERFIRE PATTERNS # 1

POR



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 7

HS= 2.738

VS= 3.055

GS= 3.427

CENTROID #

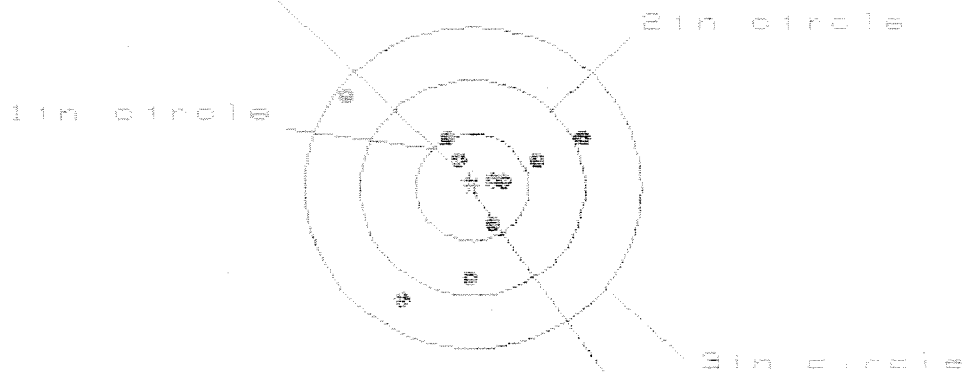
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.146	1.241	1.056
MINIMUM X	-1.592	-1.497	-1.682
MAXIMUM Y	1.259	1.060	.950
MINIMUM Y	-1.796	-.878	-.838
CENTROID X	.139	.044	.229
CENTROID Y	.120	.319	.429
POR TO CENTROID in.	.188	.322	.486
MIN RADIUS	.252	.083	.295
MEAN RADIUS	1.268	1.141	1.044
MAX RADIUS	1.988	1.720	1.708
HORIZONTAL SPREAD	2.738	2.738	2.738
VERTICAL SPREAD	3.055	1.938	1.788
EXTREME SPREAD	3.427	2.964	2.964
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		7	

14 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649150.1

CENTERFIRE PATTERNS # 2

POB



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.172

VS= 1.988

GS= 2.223

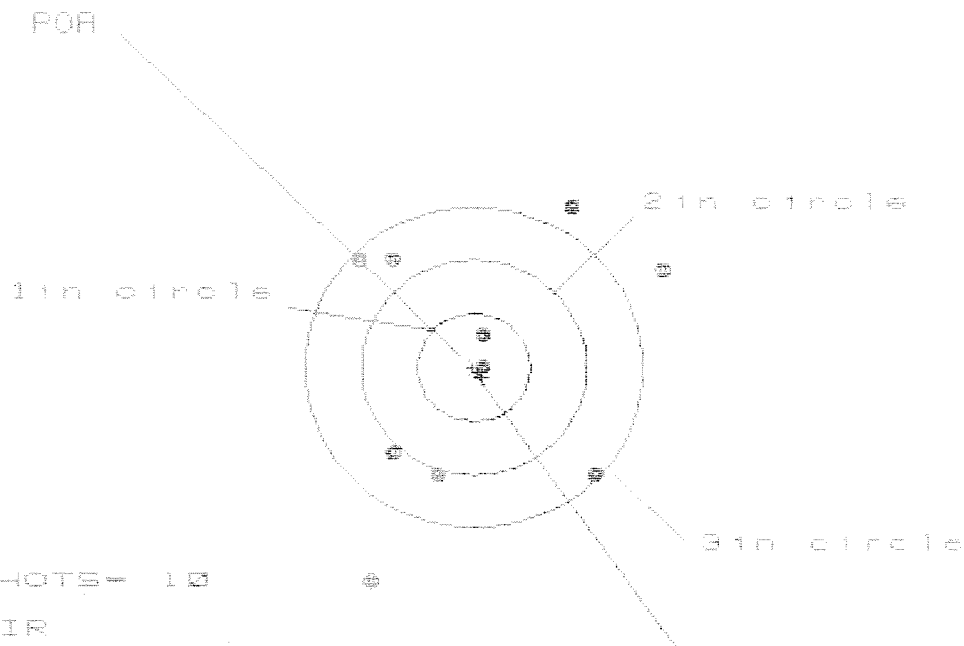
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.004	.874	.785
MINIMUM X	:	-1.168	-.714	-.471
MAXIMUM Y	:	.891	.577	.454
MINIMUM Y	:	-1.089	-.990	-.885
CENTROID X	:	.027	.157	.246
CENTROID Y	:	-.060	-.159	-.036
POB TO CENTROID in.	:	.066	.224	.248
MIN RADIUS	:	.141	.122	.060
MEAN RADIUS	:	.689	.582	.474
MAX RADIUS	:	1.469	1.230	.928
HORIZONTAL SPREAD	:	2.172	1.588	1.256
VERTICAL SPREAD	:	1.988	1.567	1.339
EXTREME SPREAD	:	2.223	2.189	1.654
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8645190.1

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 2

3in = 7

HS= 2.764

VS= 3.513

GS= 3.945

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.700	1.598	1.148
MINIMUM X	-1.064	-1.166	-0.967
MAXIMUM Y	1.507	1.284	1.373
MINIMUM Y	-2.006	-1.255	-1.166
CENTROID X	-0.073	.029	-0.170
CENTROID Y	.093	.316	.227
POA TO CENTROID in.	.118	.317	.284
MIN RADIUS	.074	.084	.209
MEAN RADIUS	1.252	1.136	1.044
MAX RADIUS	2.207	1.749	1.682
HORIZONTAL SPREAD	2.764	2.764	2.115
VERTICAL SPREAD	3.513	2.539	2.539
EXTREME SPREAD	3.945	2.928	2.852
NUMBER IN ONE INCH CIRCLE =	2	2	2
NUMBER IN TWO INCH CIRCLE =	2	2	2
NUMBER IN THREE INCH CIRCLE =	7	7	7

14 Dec 1931

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CENTERFIRE PATTERNS

4

POB

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 2.156

VS = 2.667

GS = 3.059

CENTROID *

PATTERN #

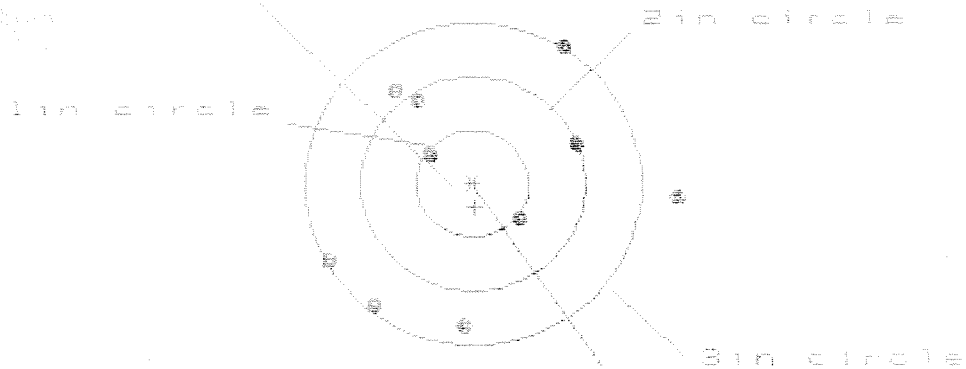
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.054	.932	1.020
MINIMUM X	-1.102	-.693	-.605
MAXIMUM Y	1.322	1.432	.641
MINIMUM Y	-1.345	-1.198	-1.019
CENTROID X	-.001	.121	.033
CENTROID Y	.265	.118	-.061
POB TO CENTROID in.	.265	.169	.069
MIN RADIUS	.310	.400	.280
MEAN RADIUS	.971	.894	.791
MAX RADIUS	1.721	1.598	1.160
HORIZONTAL SPREAD	2.156	1.625	1.625
VERTICAL SPREAD	2.667	2.630	1.650
EXTREME SPREAD	3.059	2.832	2.023
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

(4-050-193)

FILE:/PATTERNING/CENTERFIRE_PATT/09649190.)

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

1st = 3.132

2nd = 2.554

3rd = 3.184

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.838	1.100	1.226
MINIMUM X	-1.294	-1.090	-.964
MAXIMUM Y	1.204	1.222	.988
MINIMUM Y	-1.320	-1.332	-1.179
CENTROID X	-.015	-.219	-.345
CENTROID Y	.221	.238	.080
POP TO CENTROID in.	.222	.320	.354
MIN RADIUS	.475	.317	.412
MEAN RADIUS	1.156	1.056	.992
MAX RADIUS	1.841	1.584	1.238
HORIZONTAL SPREAD	3.132	2.190	2.190
VERTICAL SPREAD	2.554	2.554	2.187
EXTREME SPREAD	3.184	2.918	2.438
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	