

C6611416

MODEL 700™ M24

Model **SMS**™

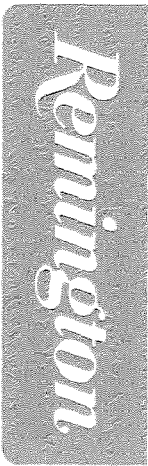
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Champion

Remington
MODEL 700™ H24

DUPONT
REG. U.S. PAT. & TM. OFF.

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

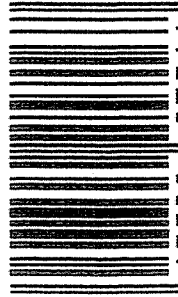
SERIAL NO.
C6611416

ORDER NO.
5716

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

20

LPC



0 47700 25716 7



5716 C6611416

GEM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611416

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 25 91		RW
600	Proof	1 25 91		RW
607	Check Headspace	1 25 91		RW
610	Dis-assemble Gun	1 25 91		RW
612	Magnaflux Barrel Action	1 25 91		KR
	Magnaflux Bolt	1 25 91		KR
615	Rollmark Caliber	1 25 91		JS
617	Drill and Tap Sight Holes	1 30 91		LB
618	Polish Barrel RBB	1 30 91		WB
620	Apply Coatings (Barrel Action)		2-10-91	JS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/12/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/12/91	RW
	C) Inspect Ejector Hole for Chamfer		2/12/91	RW
	D) Oil Firing Pin Ass'y		2/12/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/18/91	JS

op. #	BARBER M24 0076462	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			7/18/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			7/18/91	WB
	H) Trigger Pull Test & Retainability						2/18/91	DL
	I) Firing Pin Indent	.0225	.0225	.0225			7/18/91	WB
	J) Assemble Stock						4/4/91	RW
	K) Assemble Swivel Studs						4-8-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/4/91	RW
	M) Iron Sight Alignment						4/4/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/4/91	RW
	O) Attach Scope to Rifle						4/4/91	RW
	P) Detach & Attach Scope 20 Times						4/4/91	RW
640	Gallery Target & Test						4-5-91	AC
	A) Time						4-5-91	AC
	B) Malfunctions						4-5-91	AC
	C) Pierced Primers						4-5-91	AC
	D) Optical Clarity of Scope						4-5-91	AC
645	Inspect for Live Ammo						4-5-91	AC
655	Final Inspection							
	A) Headspace						4-8-91	D/H
	B) Trigger Pull	2.52	2.44	2.38	2.37	2.33	4/8/91	DL
	C) Function						4-8-91	D/H
660	Pack						6-18-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06611416DATE 2/18/91TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.23	2.36	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.24	2.39	2.44	
PULL #3	2.30	2.25	2.24	2.38	
PULL #4	2.33	2.19	2.38	2.37	
PULL #5	2.33	2.33	2.31	2.33	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.29		
PULL #2	3.21	3.21		
PULL #3	3.41	3.21		
PULL #4	3.30	3.19		
PULL #5	3.39	3.27		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.27		4.26
PULL #2	4.41	4.43		4.27
PULL #3	4.47	4.47		4.30
PULL #4	4.52	4.40		4.25
PULL #5	4.48	4.42		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611416
5 Apr 1991

CENTROIDAL DISTANCES

0 TO 1	.152643
1 TO 2	.375832
1 TO 3	.0880227
1 TO 4	.187267
1 TO 5	.186775

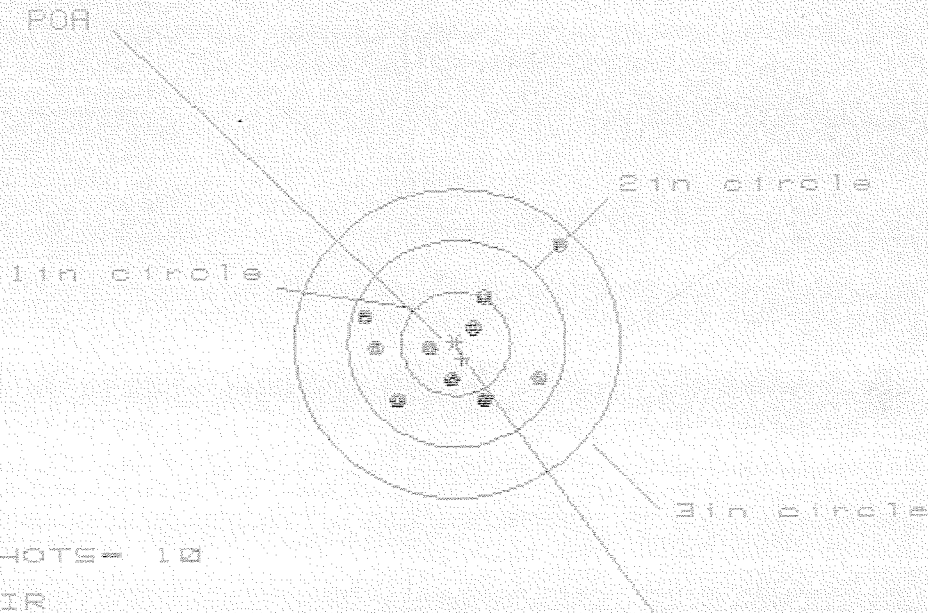
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.067
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0050
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0672506
THE RMS FOR THIS RIFLE IS: .0024

3 Apr 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11416

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.760

VS= 1.573

GS= 2.181

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.945	.857	.768
MINIMUM X	-.815	-.710	-.764
MAXIMUM Y	.993	.606	.653
MINIMUM Y	-.580	-.469	-.422
CENTROID X	-.056	-.161	-.073
CENTROID Y	.142	.032	-.015
POA TO CENTROID in.	.153	.164	.074
MIN RADIUS	.213	.129	.195
MEAN RADIUS	.660	.564	.528
MAX RADIUS	1.371	.877	.781
HORIZONTAL SPREAD	1.760	1.567	1.533
VERTICAL SPREAD	1.573	1.075	1.075
EXTREME SPREAD	2.181	1.664	1.555
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

5 Apr 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C86511416

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.989

VS= 1.914

GS= 3.013

CENTROID *

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.102

.892

.392

MINIMUM X

-1.887

-.676

-.564

MAXIMUM Y

1.056

1.042

.978

MINIMUM Y

-.858

-.872

-.936

CENTROID X

-.137

.073

-.039

CENTROID Y

-.225

-.211

-.147

POA TO CENTROID in.

.263

.223

.152

MIN RADIUS

.238

.119

.217

MEAN RADIUS

.830

.671

.634

MAX RADIUS

1.891

1.070

.986

HORIZONTAL SPREAD

2.989

1.568

.956

VERTICAL SPREAD

1.914

1.914

1.914

EXTREME SPREAD

3.013

1.930

1.930

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

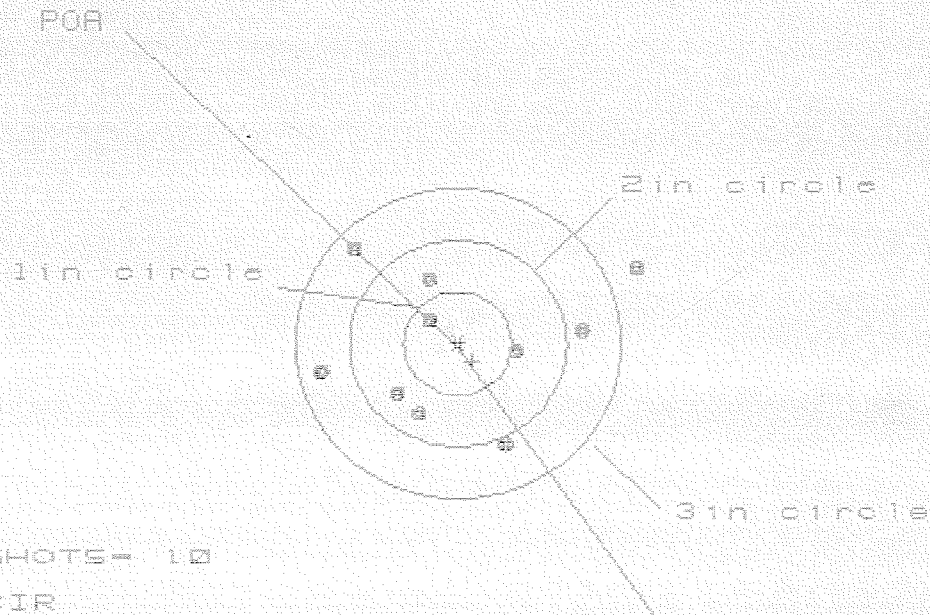
NUMBER IN THREE INCH CIRCLE =

9

5 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CAB11116

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.982

VS= 1.890

CS= 3.143

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.683	1.263	1.144
MINIMUM X	-1.299	-1.112	-.868
MAXIMUM Y	.895	.972	.944
MINIMUM Y	-.996	-.918	-.946
CENTROID X	-.138	-.325	-.186
CENTROID Y	.174	.096	.124
POA TO CENTROID in.	.222	.339	.223
MIN RADIUS	.324	.278	.322
MEAN RADIUS	.974	.856	.819
MAX RADIUS	1.820	1.293	1.282
HORIZONTAL SPREAD	2.982	2.395	2.012
VERTICAL SPREAD	1.890	1.890	1.890
EXTREME SPREAD	3.143	2.426	2.328
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

5 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8511416

CENTERFIRE PATTERNS # 5

POR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.418

VS= 1.541

GS= 2.452

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.106	.961	.671
MINIMUM X	-1.312	-.715	-.595
MAXIMUM Y	.936	.914	.836
MINIMUM Y	-.605	-.627	-.528
CENTROID X	.042	.187	.067
CENTROID Y	-.017	.005	.083
POR TO CENTROID in.	.045	.188	.107
MIN RADIUS	.296	.275	.376
MEAN RADIUS	.755	.680	.629
MAX RADIUS	1.327	1.147	.885
HORIZONTAL SPREAD	2.418	1.676	1.266
VERTICAL SPREAD	1.541	1.541	1.364
EXTREME SPREAD	2.452	2.125	1.511
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

ORDER
R 94-18312

INITIAL	CUSTOMER ORDER NO.
FDC	DAAG09-92-C-0834

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

Score 90-0590

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE	
06/11/94	06/11/94		C6611416		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

AL 36204-5025

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

36201-5025

CUST NO:098397 C.D.D.

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE

PROM. DATE

ESTIMATED	ACTUAL	REMARKS
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
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93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

VIA

FAST

GUN CONDITION

☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL	100
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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	\$643.45
Trigger Assy	173.31
Firing pin Assy	9.96
CTI	50.06
	\$876.69

REPAIRMAN	PROOF	CLEAN	TEST WB	TARGET WB	PATTERN
GALLERY TESTER	DATE	DATE	DATE 2/10/96	DATE 2/10/96	DATE

OFFICE COPY

RD6225 REV. 1/94

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

BARBER - M24 0076478 M2400076509

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO. C6611416

DATE 11-15-95

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.60	2.75	2.62		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.71	2.40		
PULL #3	2.68	2.74	2.54		
PULL #4	2.42	2.69	2.62		
PULL #5	2.65	2.58	2.43		
TOTAL	12.86	13.47	12.61		
AVG.	2.57	2.69	2.52		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.40		
PULL #2	3.24	3.34		
PULL #3	3.35	3.31		
PULL #4	3.00	3.43		
PULL #5	3.39	3.17		
TOTAL	16.12	16.65		
AVG.	3.22	3.33		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.13		4.12
PULL #2	4.13	4.18		4.28
PULL #3	4.18	4.14		4.12
PULL #4	4.25	4.17		4.11
PULL #5	4.18	4.20		4.07
TOTAL	20.95	20.82		20.70
AVG.	4.19	4.16		4.14

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # 06611416
 13 Jan 1980

CENTROIDAL DISTANCES

0 TO 1	1.82894
1 TO 2	.811871
1 TO 3	.513654
1 TO 4	.711841
1 TO 5	.748575

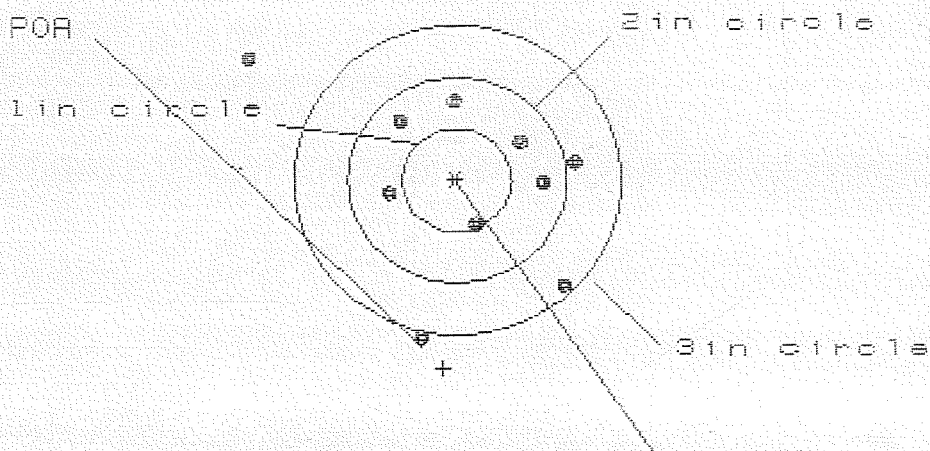
1
 $\frac{3}{5}$
 + (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0064
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.2922
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.29222
 THE AMR FOR THIS RIFLE IS: .8586

13 Jan 1900

FILE: \PATTERNING\CENTERFIRE_PATT\06611416

CENTERFIRE PATTERNS # 1



CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.980

VS= 2.714

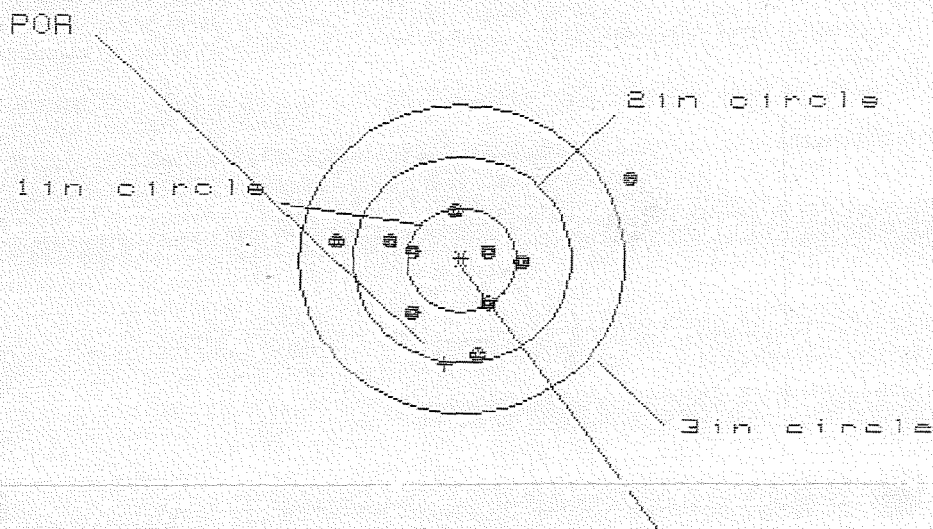
GS= 3.623

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.048	.833	.762
MINIMUM X	-1.932	-.850	-.921
MAXIMUM Y	1.203	.943	.770
MINIMUM Y	-1.511	-1.377	-1.026
CENTROID X	.120	.335	.406
CENTROID Y	1.825	1.691	1.863
POA TO CENTROID in.	1.829	1.724	1.907
MIN RADIUS	.407	.250	.411
MEAN RADIUS	1.028	.856	.755
MAX RADIUS	2.276	1.489	1.225
HORIZONTAL SPREAD	2.980	1.683	1.683
VERTICAL SPREAD	2.714	2.320	1.797
EXTREME SPREAD	3.623	2.338	2.110
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

13 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6611416

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 2.671

VS= 1.706

GS= 2.737

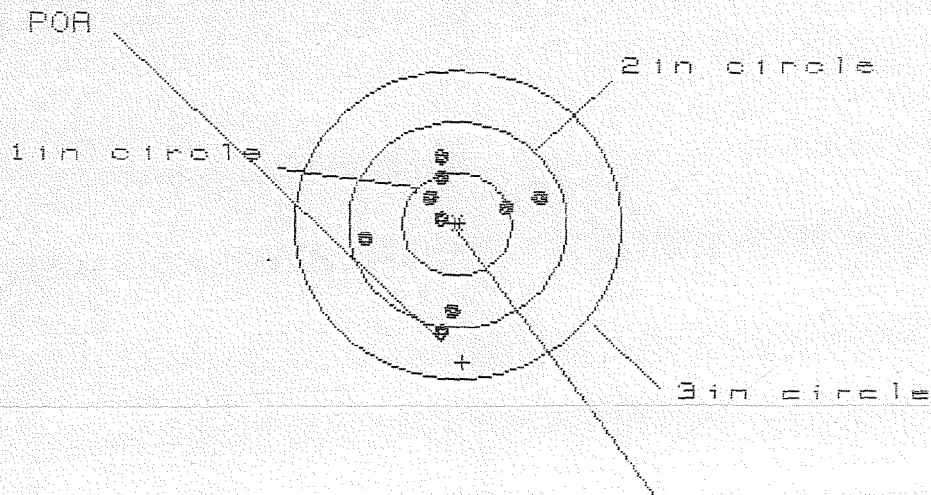
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.522	.731	.608
MINIMUM X	:	-1.149	-.980	-.623
MAXIMUM Y	:	.777	.590	.624
MINIMUM Y	:	-.929	-.843	-.809
CENTROID X	:	.153	-.016	.107
CENTROID Y	:	1.014	.928	.894
POA TO CENTROID in.	:	1.026	.928	.901
MIN RADIUS	:	.219	.334	.319
MEAN RADIUS	:	.740	.624	.565
MAX RADIUS	:	1.709	1.016	.842
HORIZONTAL SPREAD	:	2.671	1.711	1.231
VERTICAL SPREAD	:	1.706	1.433	1.433
EXTREME SPREAD	:	2.737	1.736	1.448
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/CGB11416

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 9

3 in = 10

HS= 1.525

VS= 1.786

GS= 1.786

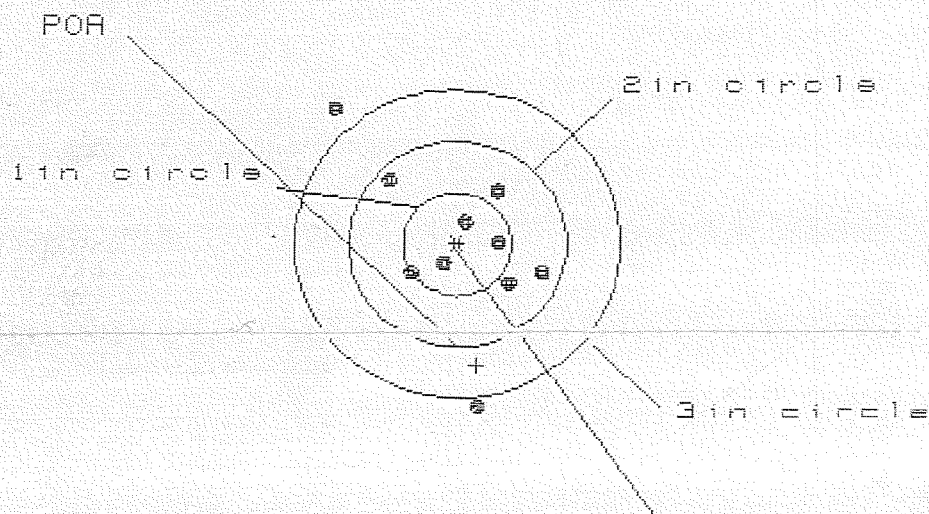
CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.704	.689	.584
MINIMUM X	-.821	-.836	-.343
MAXIMUM Y	.699	.579	.541
MINIMUM Y	-1.087	-.957	-.995
CENTROID X	-.052	-.037	.068
CENTROID Y	1.341	1.461	1.499
POA TO CENTROID in.	1.342	1.462	1.500
MIN RADIUS	.182	.197	.308
MEAN RADIUS	.630	.552	.503
MAX RADIUS	1.095	.959	1.006
HORIZONTAL SPREAD	1.525	1.525	.927
VERTICAL SPREAD	1.786	1.536	1.536
EXTREME SPREAD	1.786	1.590	1.540
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

13 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8811416

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 4

2in = 8

3in = 8

HS= 1.881

VS= 2.895

GS= 3.189

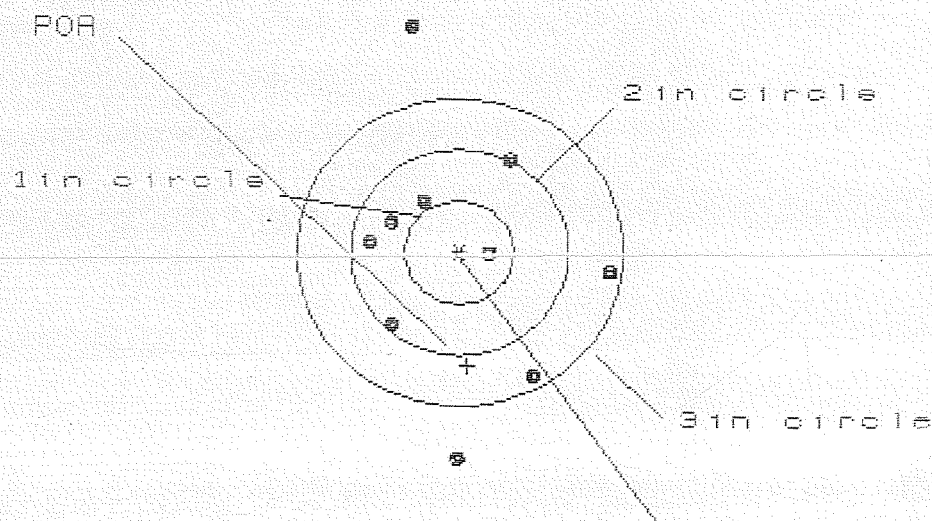
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.748	.621	.629
MINIMUM X	-1.143	-.729	-.721
MAXIMUM Y	1.338	.796	.620
MINIMUM Y	-1.557	-1.408	-.424
CENTROID X	-.179	-.052	-.060
CENTROID Y	1.179	1.030	1.206
POA TO CENTROID in.	1.192	1.031	1.208
MIN RADIUS	.222	.261	.156
MEAN RADIUS	.756	.632	.511
MAX RADIUS	1.760	1.410	.951
HORIZONTAL SPREAD	1.891	1.350	1.350
VERTICAL SPREAD	2.895	2.204	1.044
EXTREME SPREAD	3.189	2.344	1.628
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	8		

13 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6611416

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.254

VS = 4.203

GS = 4.222

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.405	1.362	1.357
MINIMUM X	-.849	-.892	-.897
MAXIMUM Y	2.247	1.149	.936
MINIMUM Y	-1.956	-1.707	-1.180
CENTROID X	-.074	-.030	-.025
CENTROID Y	1.102	.853	1.066
POA TO CENTROID in.	1.105	.853	1.066
MIN RADIUS	.272	.362	.232
MEAN RADIUS	1.139	1.028	.900
MAX RADIUS	2.291	1.707	1.365
HORIZONTAL SPREAD	2.254	2.254	2.254
VERTICAL SPREAD	4.203	2.856	2.116
EXTREME SPREAD	4.222	2.893	2.274
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611416

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 0076479

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			3/7	AC
	G) Safety Off Force	4	4	4			3/7	AC
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.021	.022	.022			3/7	AC
	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	2.68	2.66	2.70	2.69	2.73	3/1/96	WLB
	C) Function							
660	Pack							