

C6349213

79

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

BARBER M24 0110288

COMMENTS

ORDER
R 94-18168

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

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

Scope # S/N 90-0152

DATE RECEIVED 06/10/94 DATE OPENED 06/10/94 DATE CODE

SERIAL NUMBER C6349213

NEW SERIAL NUMBER

MODEL AND GRADE 700 7-62

NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

SHIP TO:

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

New Barrel
Trigger Assy
Firing Pin Assy
MAG Spring
New Stock
Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

4/11/96 4/11/96

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0110288 10327

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

SERIAL NO. C6349213
DATE 3/22/96
TESTER SF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.68		2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	1.99	2.00		2.60	
PULL #3	2.41	2.57		2.72	
PULL #4	2.36	2.60		2.43	
PULL #5	2.06	2.45		2.56	
TOTAL	11.22	12.3		13.01	
AVG.	2.244	2.46		2.602	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.46		
PULL #2	3.49	3.13		
PULL #3	3.42	3.31		
PULL #4	3.47	3.43		
PULL #5	3.51	3.28		
TOTAL	17.27	16.61		
AVG.	3.454	3.322		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.47	4.20		4.78
PULL #2	4.23	4.08		4.67
PULL #3	4.53	4.02		4.58
PULL #4	4.44	4.11		4.62
PULL #5	4.21	4.28		4.50
TOTAL	21.88	12.41		23.09
AVG.	4.376	2.482		4.618

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06849213
11 Feb 1900

CENTROIDAL DISTANCES

0 TO	1	.710049
1 TO	2	.0622977
1 TO	3	.0436807
1 TO	4	.0934077
1 TO	5	.045607

+ (----)FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5176
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5204
THE RESULTING AVERAGE POT RADIUS FOR THIS RIFLE IS: .741065
THE AMP FOR THIS RIFLE IS: .984

11 Feb 1968

FILE:/PATTERNING/CENTERFIRE_PATT/ C6343213

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS = 3.507

VS = 1.587

GS = 3.583

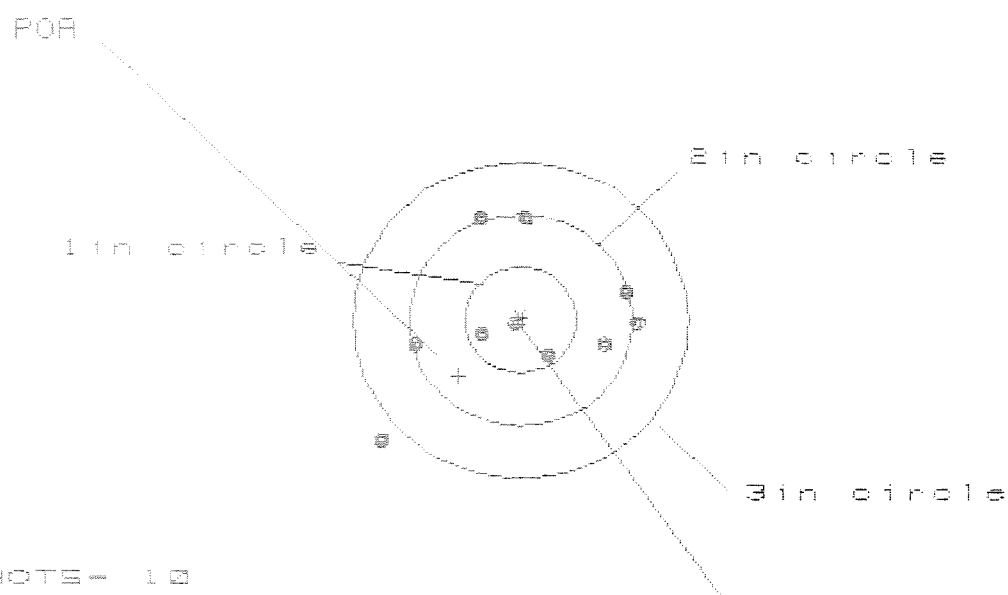
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST CF)	10	9	8
MAXIMUM X	1.736	1.539	1.589
MINIMUM X	-1.771	-1.853	-1.660
MAXIMUM Y	1.043	.983	.962
MINIMUM Y	-.544	-.594	-.615
CENTROID X	.493	.690	.497
CENTROID Y	.511	.571	.592
POA TO CENTROID in.	.710	.895	.773
MIN RADIUS	.446	.351	.491
MEAN RADIUS	1.160	1.090	1.007
MAX RADIUS	1.852	1.854	1.701
HORIZONTAL SPREAD	3.507	3.392	3.249
VERTICAL SPREAD	1.587	1.577	1.577
EXTREME SPREAD	3.583	3.390	3.324
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	6	

11 Feb 1968

FILE:/PATTERNING/CENTERFIRE_PATT/ 06949213

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS = 2.222

VS = 2.136

GS = 2.566

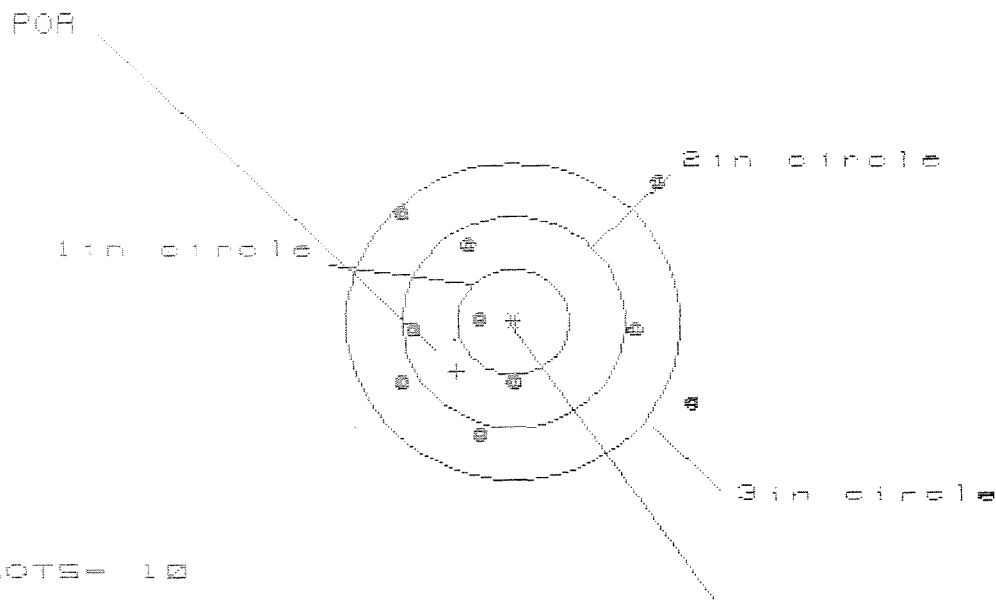
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.084	.868	.878
MINIMUM X	:	-1.219	-1.076	-.967
MAXIMUM Y	:	.983	.855	.837
MINIMUM Y	:	-1.153	-.427	-.445
CENTROID X	:	.552	.688	.579
CENTROID Y	:	.531	.659	.677
POA TO CENTROID in.	:	.766	.953	.891
MIN RADIUS	:	.092	.275	.238
MEAN RADIUS	:	.821	.730	.706
MAX RADIUS	:	1.677	1.140	1.044
HORIZONTAL SPREAD	:	2.222	1.944	1.845
VERTICAL SPREAD	:	2.136	1.282	1.282
EXTREME SPREAD	:	2.566	1.958	1.919
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Feb 1968

FILE:/PATTERNING/CENTERFIRE_PATT/ CB349213

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.631

VS= 2.389

GS= 3.178

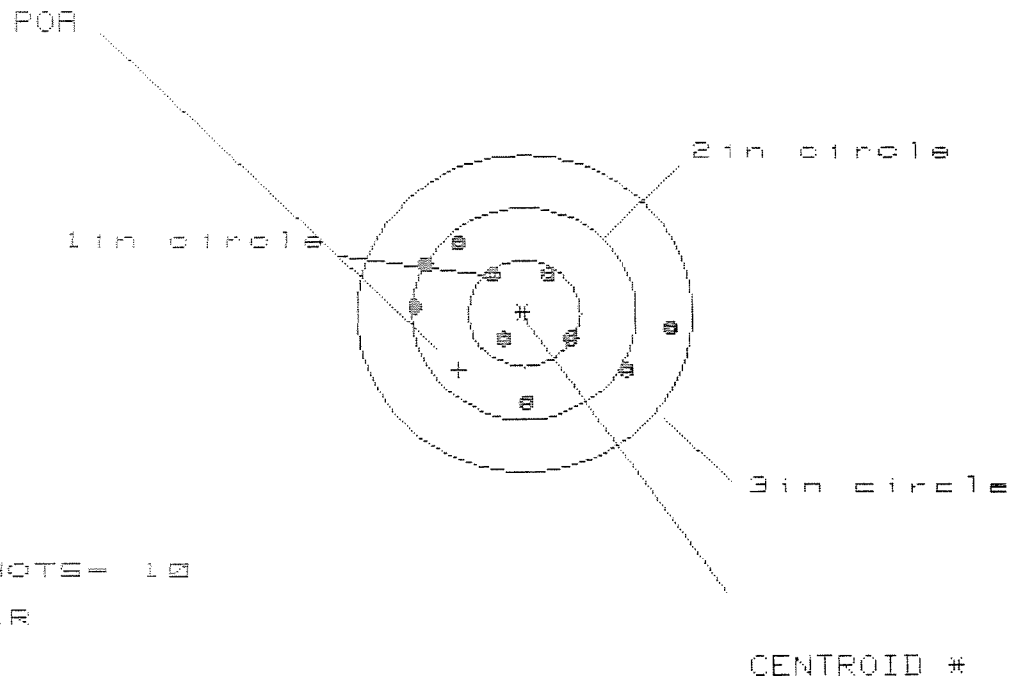
CENTROID *

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.586	1.728	1.493
MINIMUM X	-1.045	-1.903	-1.687
MAXIMUM Y	1.323	1.204	1.121
MINIMUM Y	-1.066	-1.919	-1.002
CENTROID X	.505	.363	.147
CENTROID Y	.469	.322	.405
POR TO CENTROID in.	.689	.485	.431
MIN RADIUS	.325	.233	.070
MEAN RADIUS	1.107	.980	.821
MAX RADIUS	1.841	1.850	1.493
HORIZONTAL SPREAD	2.631	2.631	2.180
VERTICAL SPREAD	2.389	2.123	2.123
EXTREME SPREAD	3.178	3.178	2.386
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/ 06349213

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 2.276

VS= 1.535

GS= 2.320

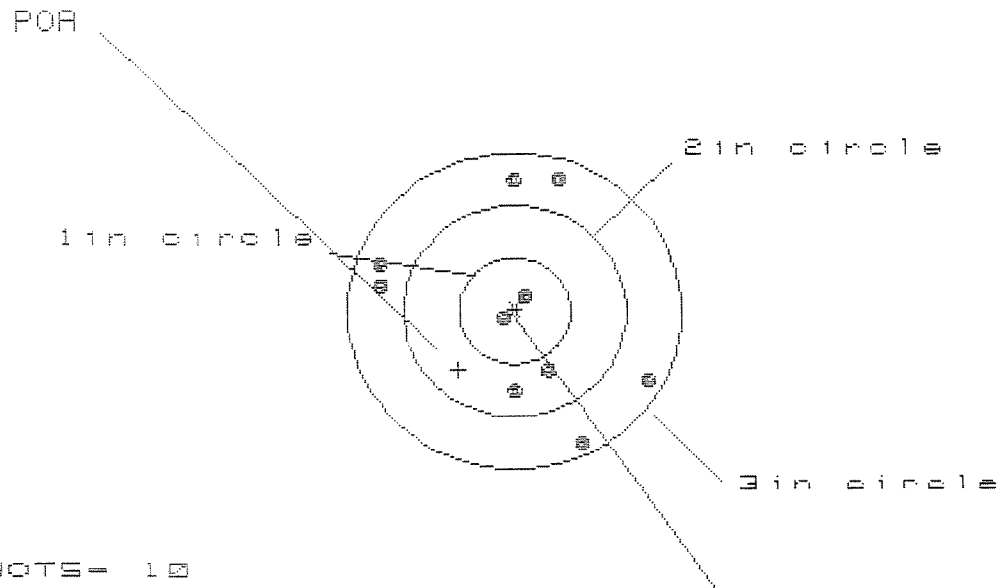
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	5	8
MAXIMUM X	:	1.343	1.028	.934
MINIMUM X	:	-.933	-.784	-.878
MAXIMUM Y	:	.675	.664	.722
MINIMUM Y	:	-.860	-.871	-.813
CENTROID X	:	.583	.434	.528
CENTROID Y	:	.536	.547	.489
POA TO CENTROID in.	:	.792	.698	.720
MIN RADIUS	:	.359	.300	.288
MEAN RADIUS	:	.776	.698	.671
MAX RADIUS	:	1.346	1.150	1.040
HORIZONTAL SPREAD	:	2.276	1.812	1.812
VERTICAL SPREAD	:	1.535	1.535	1.535
EXTREME SPREAD	:	2.320	2.035	1.900
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

11 Feb 1968

FILE:/PATTERNING/CENTERFIRE_PATT/ C6349213

CENTERFIRE PATTERNS

5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 10

HS= 2.433

VS= 2.569

GS= 2.679

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.203	1.273	.577
MINIMUM X	-1.230	-1.160	-1.001
MAXIMUM Y	1.288	1.146	1.044
MINIMUM Y	-1.281	-.896	-.998
CENTROID X	.505	.435	.276
CENTROID Y	.555	.697	.799
POR TO CENTROID in.	.750	.822	.845
MIN RADIUS	.134	.126	.308
MEAN RADIUS	.956	.908	.850
MAX RADIUS	1.427	1.511	1.193
HORIZONTAL SPREAD	2.433	2.433	1.578
VERTICAL SPREAD	2.569	2.042	2.042
EXTREME SPREAD	2.679	2.679	2.070
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349213

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 0110297

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/2	6 1/2	6 1/2			5/6/96	WB
	G) Safety Off Force	3	3	3			5/6/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.023	.023	.023			5/6/96	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							
	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	2.77	2.75	2.61	2.66	7/16/96	WB
	C) Function							
660	Pack							

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

Remington®

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

DU PONT

MODEL 700™ M24

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

SERIAL NO.
C6349213

ORDER NO.
5716

01

5716 C6349213

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # 06349213

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 31	90	RW
600	Proof	3 31	90	RW
607	Check Headspace	3 31	90	RW
610	Dis-assemble Gun	3 31	90	RW
612	Magnaflux Barrel Action	4-2-90		KCR
	Magnaflux Bolt	4-2-90		KCR
615	Rollmark Caliber	4-2-90		GL
617	Drill and Tap Sight Holes		4/4/90	FB
618	Polish Barrel RB		4/5/90	WB
620	Apply Coatings (Barrel Action)		4/9/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/1/90	JH

BARBER - M24 0110300

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/2/90	gll
	G) Safety Off Force	3	3	3			5/2/90	gll
	H) Trigger Pull Test & Retainability						5/1/90	gll
	I) Firing Pin Indent	.022	.0215	.022			5/2/90	gll
	J) Assemble Stock						5/2/90	RW
	K) Assemble Swivel Studs						5/8/90	WB
	L) Attach Front and Rear Sight Assemblies						5/2/90	RW
	M) Iron Sight Alignment						5/2/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/2/90	RW
	O) Attach Scope to Rifle						5/3/90	gll
	P) Detach & Attach Scope 20 Times						5/3/90	gll
640	Gallery Target & Test						5-3-90	DH
	A) Time						5-3-90	DH
	B) Malfunctions						5-3-90	DH
	C) Pierced Primers						5-3-90	DH
	D) Optical Clarity of Scope						5-3-90	DH
645	Inspect for Live Ammo						5-3-90	DH
655	Final Inspection						5/8/90	WB
	A) Headspace							
	B) Trigger Pull	2.34	2.36	2.39	2.36	2.36	5/7/90	WB
	C) Function						5/8/90	WB
660	Pack						6-20-90	DH

SWS TRIGGER PULL TEST

BARBER - M24 0110301

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06349213DATE 5/1/90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.50	2.39	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.39	2.38	2.36	
PULL #3	2.37	2.52	2.29	2.39	
PULL #4	2.46	2.52	2.40	2.36	
PULL #5	2.40	2.43	2.45	2.36	
TOTAL	12.06	12.36	11.97		
AVG.	2.412	2.472	2.394		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.22		
PULL #2	3.46	3.23		
PULL #3	3.22	3.45		
PULL #4	3.14	3.28		
PULL #5	3.26	3.33		
TOTAL	16.58	16.51		
AVG.	3.316	3.302		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.42		4.20
PULL #2	4.18	4.38		4.16
PULL #3	4.31	4.37		4.27
PULL #4	4.18	4.40		4.18
PULL #5	4.24	4.25		4.51
TOTAL	21.18	21.82		21.24
AVG.	4.236	4.364		4.248

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349213
4 May 1998

CENTROIDAL DISTANCES

0 TO	1	.312349
1 TO	2	.238562
1 TO	3	.317473
1 TO	4	.40966
1 TO	5	.353115

#1+ <----POA

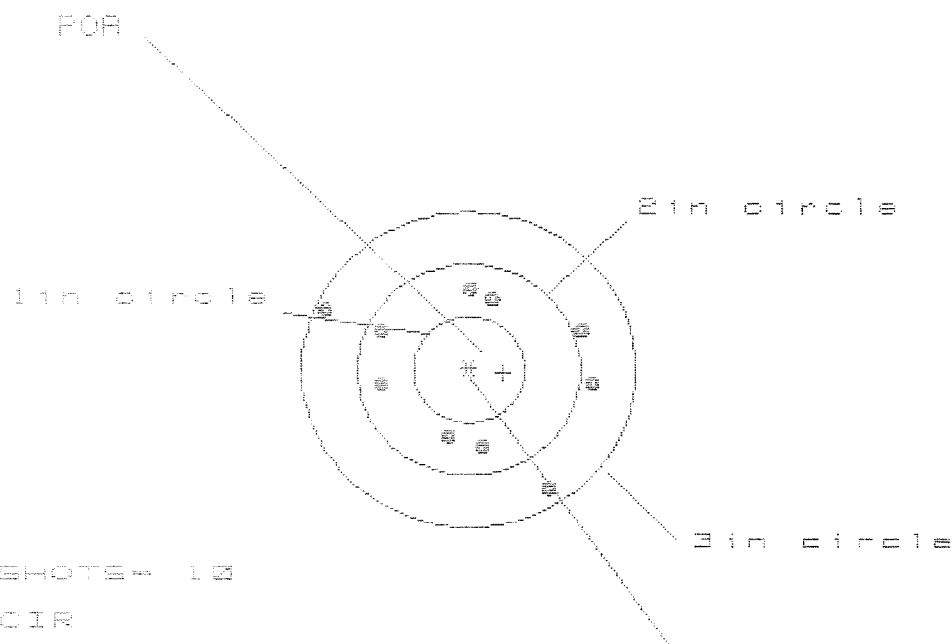
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.422
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1708
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .455254
THE AMP FOR THIS RIFLE IS: .9422

4 May 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C8345213

CENTERFIRE PATTERNS

1



* OF SHOTS = 10

IN CIR

1in = 0

2in = 6

3in = 10

HS = 2.361

VS = 1.844

GS = 2.601

CENTROID *

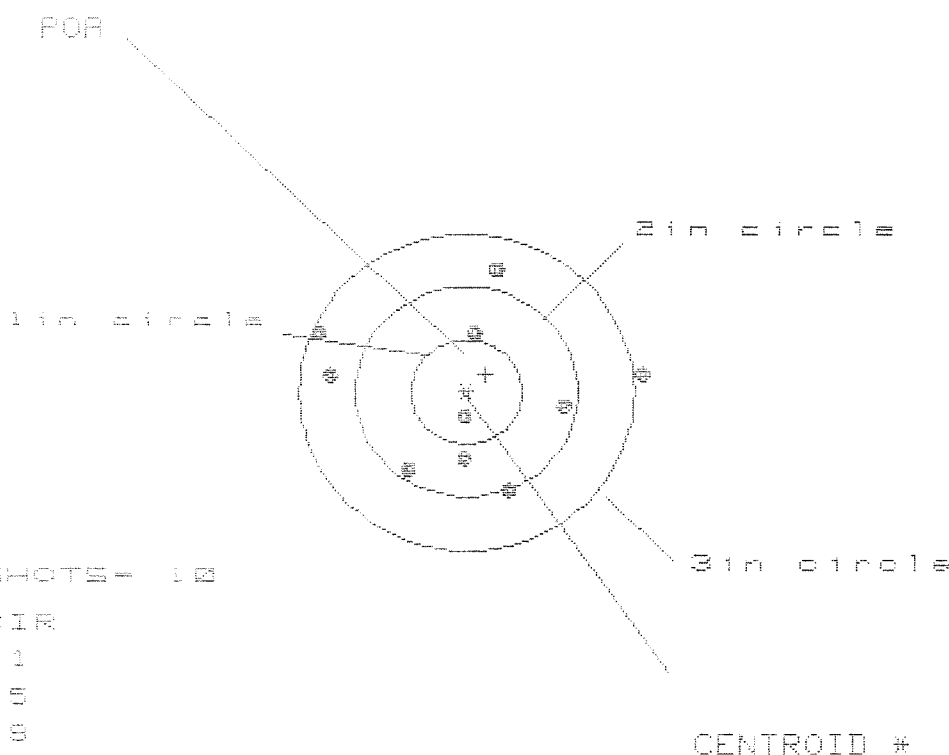
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.080	.938	1.004
MINIMUM X	-1.281	-.918	-.852
MAXIMUM Y	.733	.800	.669
MINIMUM Y	-1.111	-1.044	-.796
CENTROID X	-.311	-.169	-.235
CENTROID Y	.029	-.038	.093
FOR TO CENTROID in.	.312	.173	.253
MIN RADIUS	.616	.610	.609
MEAN RADIUS	.923	.864	.812
MAX RADIUS	1.415	1.172	1.018
HORIZONTAL SPREAD	2.361	1.856	1.856
VERTICAL SPREAD	1.844	1.844	1.466
EXTREME SPREAD	2.601	2.040	1.896
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

9 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08345213

CENTERFIRE PATTERNS

2



* OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HE = 2.824

VS = 2.174

GS = 2.843

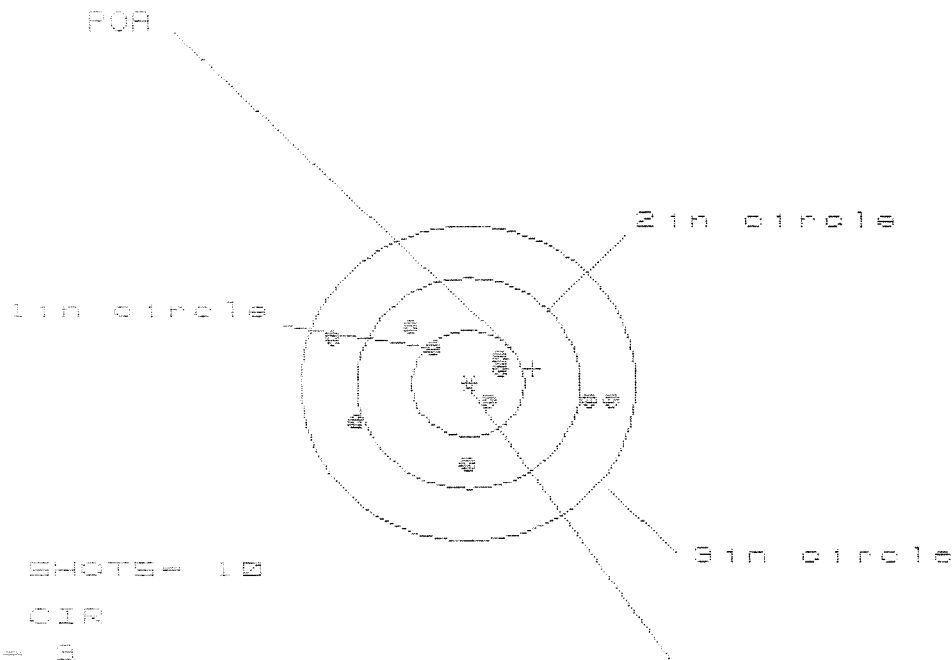
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.600	1.071	.927
MINIMUM X	-1.324	-1.146	-1.193
MAXIMUM Y	1.195	1.218	1.288
MINIMUM Y	-.979	-.956	-.885
CENTROID X	-.175	-.353	-.209
CENTROID Y	-.167	-.190	-.260
POR TO CENTROID in.	.242	.401	.334
MIN RADIUS	.218	.213	.119
MEAN RADIUS	.989	.910	.836
MAX RADIUS	1.613	1.301	1.326
HORIZONTAL SPREAD	2.924	2.217	2.120
VERTICAL SPREAD	2.174	2.174	2.174
EXTREME SPREAD	2.943	2.314	2.175
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

4 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349213

CENTERFIRE PATTERNS

3



CENTROID #

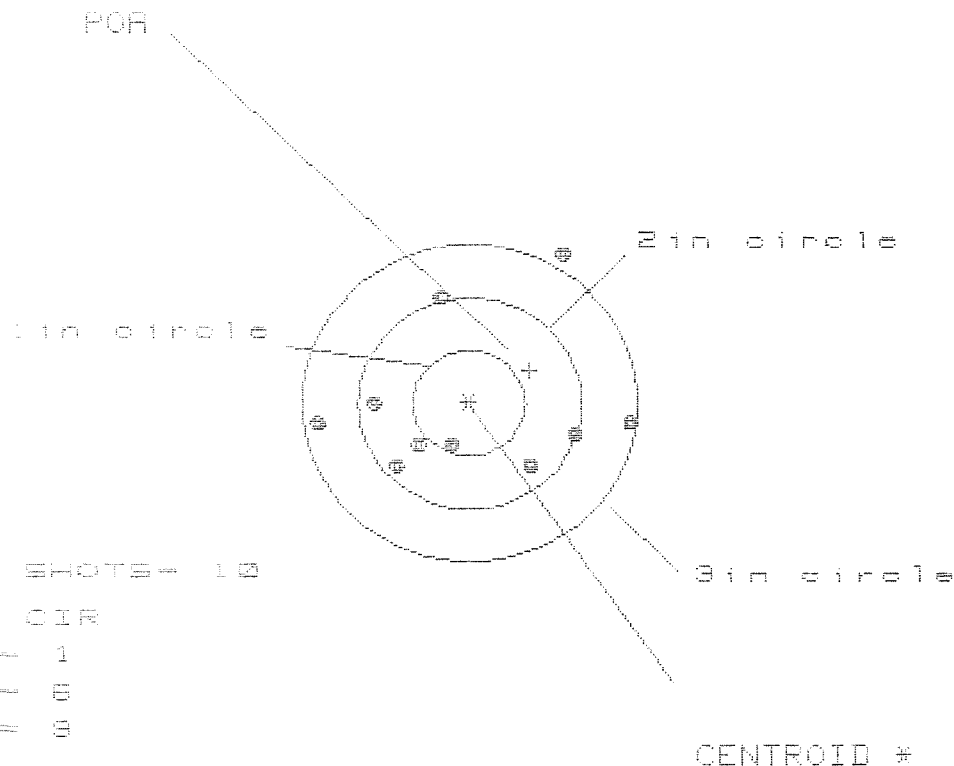
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.319	1.225	1.095
MINIMUM X	-1.189	-1.042	-1.043
MAXIMUM Y	.488	.474	.525
MINIMUM Y	-.742	-.756	-.705
CENTROID X	-.581	-.728	-.598
CENTROID Y	-.138	-.124	-.175
POA TO CENTROID in.	.597	.738	.623
MIN RADIUS	.249	.369	.234
MEAN RADIUS	.761	.705	.632
MAX RADIUS	1.325	1.242	1.106
HORIZONTAL SPREAD	2.508	2.267	2.138
VERTICAL SPREAD	1.230	1.230	1.230
EXTREME SPREAD	2.567	2.350	2.143
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

4 May 1958

FILE:/PATTERNING/CENTERFIRE_PATT/08349213

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HEP = 2.769

VS = 2.011

GS = 2.769

CENTROID *

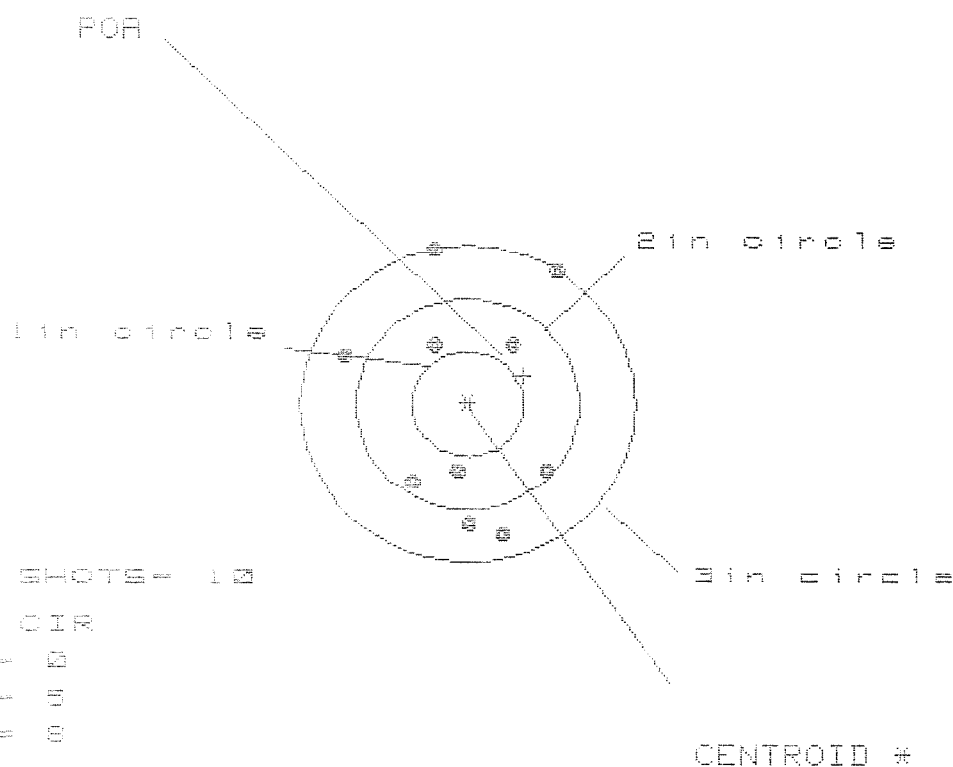
PATTERN #	1	4	9	8
SHOTS (BEST OF)	10	9	9	8
MAXIMUM X	1.418	1.515	1.515	1.285
MINIMUM X	-1.351	-1.254	-1.254	-1.064
MAXIMUM Y	1.443	1.184	1.184	1.179
MINIMUM Y	-1.568	-1.408	-1.408	-1.413
CENTROID X	-1.541	-1.638	-1.638	-1.828
CENTROID Y	-1.310	-1.470	-1.470	-1.465
POR TO CENTROID in.	.624	.793	.793	.950
MIN RADIUS	.407	.221	.221	.239
MEAN RADIUS	.995	.867	.867	.750
MAX RADIUS	1.686	1.516	1.516	1.289
HORIZONTAL SPREAD	2.769	2.769	2.769	2.269
VERTICAL SPREAD	2.011	1.592	1.592	1.592
EXTREME SPREAD	2.769	2.769	2.769	2.270
NUMBER IN ONE INCH CIRCLE =		1	1	
NUMBER IN TWO INCH CIRCLE =		6	6	
NUMBER IN THREE INCH CIRCLE =		9	9	

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CENTERFIRE PATTERNS

5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 1.952

VS= 2.759

ES= 2.812

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.847
MINIMUM X	-1.115
MAXIMUM Y	1.514
MINIMUM Y	-1.245
CENTROID X	-.582
CENTROID Y	-.268
POA TO CENTROID in.	.569
MIN RADIUS	.661
MEAN RADIUS	1.043
MAX RADIUS	1.539
HORIZONTAL SPREAD	1.962
VERTICAL SPREAD	2.759
EXTREME SPREAD	2.812
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8