

C5348725

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



RECEIVING AND ESTIMATING REPORT

BARBER M24 0062383

COMMENTS

ORDER
R 95-10973

INITIAL * CUSTOMER ORDER NO.

FJR

W/10X SCOPE SNIPER
ATTN: FRED MARTIN

Scope # 89-0585

DATE RECEIVED 03/30/95	DATE OPENED 03/31/95	DATE CODE EJ 10-89	SERIAL NUMBER C6348725	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO
ACCESSORIES SCOPE MNTS SCOPE BASE					

W/ BI POD

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

6-26-96

UPS

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
✓ STOCK
✓ TRIGGER ASSY
✓ FIRING PIN ASSY
✓ FRONT LENS COVER
✓ REAR LENS COVER

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0062383 62422

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	8.5	8.5	8.5			6-26	REP
	G) Safety Off Force	3	3	3			6-26	REP
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.022	.023	.0235			6-26	REP
	J) Assemble Stock						6-26	REP
	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						6-26	REP
	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	2.75	2.77	2.41	2.62	2.42	7/14	SF
	C) Function							
660	Pack							

CONTRACT # DAAA21-87-C-0086

GUN SERIAL

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		6-26	REP
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6-26	REP
	C) Inspect Ejector Hole for Chamfer		6-26	REP
	D) Oil Firing Pin Ass'y		6-26	REP
	E) Adjust Trigger Pull to Min Setting and Stake			

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6348725DATE 6-25-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.61	2.62	2.65	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.78	2.50	
PULL #3	2.32	2.80	2.76	
PULL #4	2.38	2.88	2.67	
PULL #5	2.41	2.90	2.75	
TOTAL	11.99	13.98	13.33	
AVG.	2.39	2.79	2.66	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.08	3.11	
PULL #2	3.18	3.05	
PULL #3	3.33	3.11	
PULL #4	3.11	3.13	
PULL #5	3.23	3.02	
TOTAL	15.93	15.42	
AVG.	3.18	3.08	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	4.24		4.27
PULL #2	4.19	4.28		4.02
PULL #3	4.23	4.38		4.10
PULL #4	4.23	4.40		4.09
PULL #5	4.31	4.40		4.07
TOTAL	21.04	21.70		20.55
AVG.	4.20	4.34		4.11

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348725
11 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	.23947
1 TO	2	.540771
1 TO	3	.439587
1 TO	4	.355238
1 TO	5	.279728

32
41 <----POA

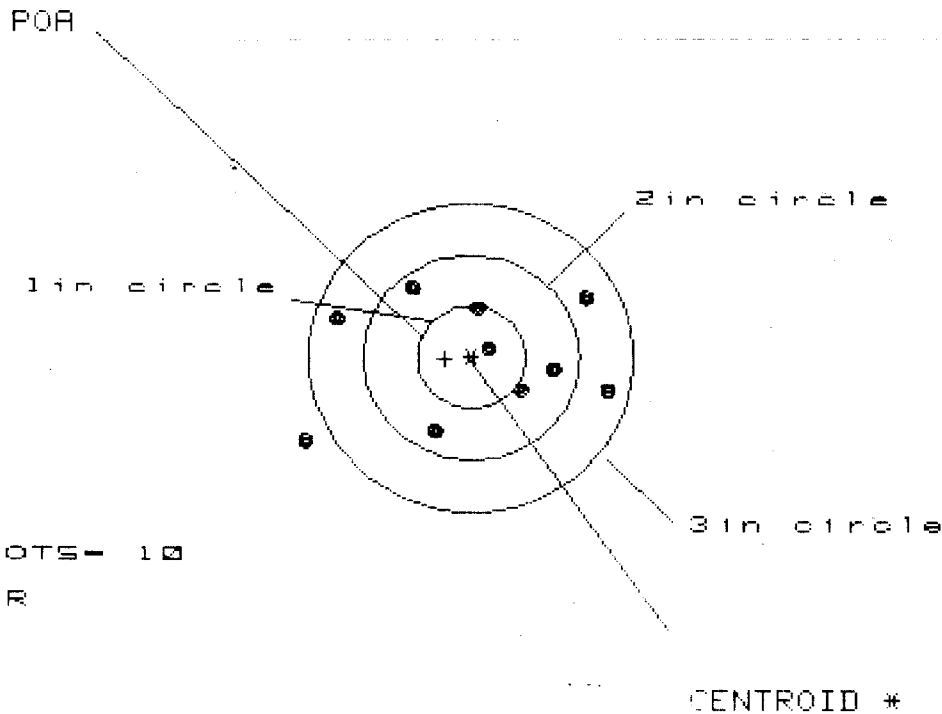
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1572
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2368
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .327057

THE AMR FOR THIS RIFLE IS: .877

11 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/06348725

CENTERFIRE PATTERNS # 1



OF SHOTS- 10
 # IN CIR
 1in - 1
 2in - 6
 3in - 9
 HS- 2.799

VS= 1.505
 GS= 3.022

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.220	1.045	.867
MINIMUM X	-1.579	-1.422	-.939
MAXIMUM Y	.672	.579	.618
MINIMUM Y	-.833	-.765	-.726
CENTROID X	.239	.414	.592
CENTROID Y	.015	.107	.068
POA TO CENTROID in.	.239	.428	.596
MIN RADIUS	.165	.034	.204
MEAN RADIUS	.924	.786	.694
MAX RADIUS	1.785	1.456	1.124
HORIZONTAL SPREAD	2.799	2.467	1.806
VERTICAL SPREAD	1.505	1.344	1.344
EXTREME SPREAD	3.022	2.581	2.078
NUMBER IN ONE INCH CIRCLE	1		
NUMBER IN TWO INCH CIRCLE	6		
NUMBER IN THREE INCH CIRCLE	9		

11 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08348725

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 4

3 in = 8

HS= 2.790

VS= 2.899

GS= 3.541

CENTROID *

PATTERN #

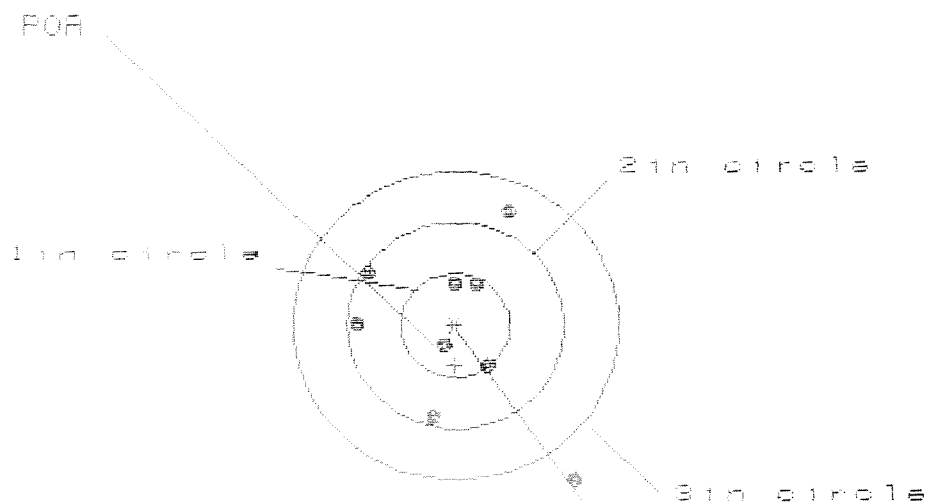
2

PATTERN #		2	8
SHOTS (BEST OF)	:	10	8
MAXIMUM X	:	1.01	.895
MINIMUM X	:	-1.736	-.737
MAXIMUM Y	:	1.714	.772
MINIMUM Y	:	-1.185	-1.104
CENTROID X	:	.336	.496
CENTROID Y	:	.547	.466
POA TO CENTROID in.	:	.642	.680
MIN RADIUS	:	.289	.451
MEAN RADIUS	:	1.055	.857
MAX RADIUS	:	2.036	1.230
HORIZONTAL SPREAD	:	2.790	1.632
VERTICAL SPREAD	:	2.899	1.876
EXTREME SPREAD	:	3.541	2.340
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	8	

11 Jan 1988

FILE: \PATTERNING\CENTERFIRE_PATT\06346725

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS= 2.034

VS= 2.660

GS= 2.815

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.092	.649	.532
MINIMUM X	-.942	-.821	-.740
MAXIMUM Y	1.157	.991	.494
MINIMUM Y	-1.502	-1.021	-.898
CENTROID X	.008	-.113	-.194
CENTROID Y	.389	.556	.433
POA TO CENTROID in.	.390	.568	.474
MIN RADIUS	.219	.295	.240
MEAN RADIUS	.801	.657	.599
MAX RADIUS	1.857	1.184	.898
HORIZONTAL SPREAD	2.034	1.470	1.272
VERTICAL SPREAD	2.660	2.012	1.392
EXTREME SPREAD	2.815	2.141	1.534
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

11 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08348725

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS = 2.654

VS = 1.944

GS = 3.026

CENTROID #

PATTERN #

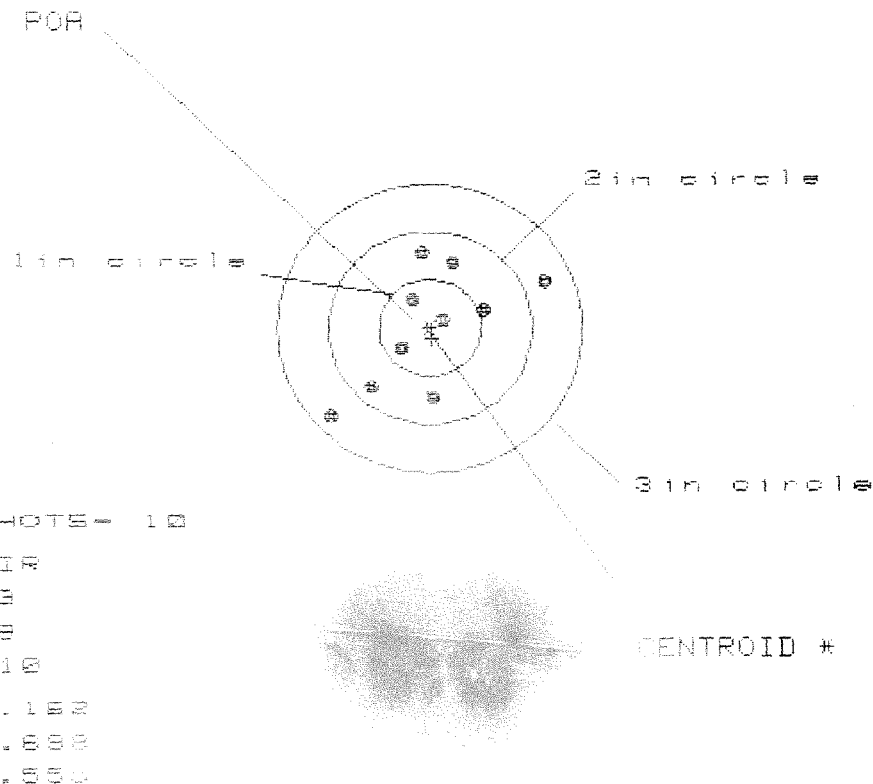
4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.562	1.400	.843
MINIMUM X	:	-1.092	-.919	-.744
MAXIMUM Y	:	.917	1.009	.892
MINIMUM Y	:	-1.027	-.935	-.624
CENTROID X	:	.226	.053	-.122
CENTROID Y	:	.370	.278	.395
POA TO CENTROID in.	:	.433	.283	.413
MIN RADIUS	:	.193	.303	.285
MEAN RADIUS	:	.906	.794	.673
MAX RADIUS	:	1.767	1.684	1.162
HORIZONTAL SPREAD	:	2.654	2.319	1.587
VERTICAL SPREAD	:	1.944	1.944	1.516
EXTREME SPREAD	:	3.026	3.026	1.797
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

11 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C8346725

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN DIA

1 in = 5

2 in = 5

3 in = 10

H0 = 0.1000

V0 = 1.0000

G0 = 0.0000

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.157	1.045	.539
MINIMUM X	-1.005	-.707	-.577
MAXIMUM Y	.794	.694	.738
MINIMUM Y	-.904	-.804	-.760
CENTROID X	-.023	.089	-.042
CENTROID Y	.113	.213	.169
POA TO CENTROID in.	.115	.231	.174
MIN RADIUS	.090	.062	.094
MEAN RADIUS	.698	.612	.542
MAX RADIUS	1.352	1.104	.868
HORIZONTAL SPREAD	2.162	1.752	1.116
VERTICAL SPREAD	1.698	1.498	1.498
EXTREME SPREAD	2.555	2.043	1.531
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348725

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	89	RW
600	Proof	9 26	89	RW
607	Check Headspace	9 26	89	RW
610	Dis-assemble Gun	9 26	89	RW
612	Magnaflux Barrel Action	9/29/89		KCR
	Magnaflux Bolt	9/19/89		KCR
615	Rollmark Caliber	9/29/89		G.S.
7	Drill and Tap Sight Holes	9 29	89	LB
618	Polish Barrel RB	9 29	89	BT
620	Apply Coatings (Barrel Action)		10-11-89	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		10/10/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/12/89	RW
	C) Inspect Ejector Hole for Chamfer		10/12/89	RW
	D) Oil Firing Pin Ass'y		10/12/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/12/89	gsl

BARBER - M24 0062394		READINGS			DATE	INIT
op. #	OP. NAME					
625 cont.	F) Safety On Force	6	5	5	19 Oct 89	JS
	G) Safety Off Force	3	3	3	19 Oct 89	JS
	H) Trigger Pull Test & Retainability				19 Oct 89	JS
	I) Firing Pin Indent	.0205	.021	.0205	19 Oct 89	JS
	J) Assemble Stock				10/23/89	RW
	K) Assemble Swivel Studs				24 Oct 89	JS
	L) Attach Front and Rear Sight Assemblies				12/11/89	RW
	M) Iron Sight Alignment				12/11/89	RW
	N) Detach Front & Rear Sights & place in numbered container				12/11/89	RW
	O) Attach Scope to Rifle				11/23/89	JS
	P) Detach & Attach Scope 20 Times				10/24/89	JS
640	Gallery Target & Test				10-23-89	DH
	A) Time				10-23-89	DH
	B) Malfunctions				10-23-89	DH
	C) Pierced Primers				10-23-89	DH
	D) Optical Clarity of Scope				10-23-89	DH
645	Inspect for Live Ammo				10-23-89	DH
655	Final Inspection					
	A) Headspace				24 Oct 89	JS
	B) Trigger Pull	245	252	261	24 Oct 89	JS
	C) Function				24 Oct 89	JS
660	Pack				15 Dec 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348725

DATE 3-13-90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.41	2.54	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.35	2.16	
PULL #3	2.34	2.45	2.17	
PULL #4	2.52	2.48	2.25	
PULL #5	2.47	2.51	2.27	
TOTAL	12.06	12.33	11.22	
AVG.	2.412	2.466	2.244	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.21	3.24	
PULL #2	3.13	3.39	
PULL #3	3.15	3.41	
PULL #4	3.13	3.39	
PULL #5	3.05	3.41	
TOTAL	15.67	16.84	
AVG.	3.134	3.368	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.32		
PULL #2	4.28	4.39		
PULL #3	4.26	4.31		
PULL #4	4.35	4.33		
PULL #5	4.36	4.27		
TOTAL	21.65	21.57		
AVG.	4.33	4.314		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348725
24 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.361581
1 TO	2	.442866
1 TO	3	.477194
1 TO	4	1.0102
1 TO	5	.777281

$\frac{5}{4} \frac{2}{1}$ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1642
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0148
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .164866
THE AMR FOR THIS RIFLE IS: .941

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348725

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID +

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.835

VS= 1.603

GS= 2.835

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.315	1.147	1.286
MINIMUM X	:	-1.520	-1.193	-1.054
MAXIMUM Y	:	1.014	1.033	1.089
MINIMUM Y	:	-.589	-.570	-.514
CENTROID X	:	.246	.414	.275
CENTROID Y	:	-.265	-.284	-.340
POA TO CENTROID in.	:	.362	.502	.437
MIN RADIUS	:	.439	.531	.464
MEAN RADIUS	:	.952	.884	.820
MAX RADIUS	:	1.528	1.258	1.361
HORIZONTAL SPREAD	:	2.835	2.340	2.340
VERTICAL SPREAD	:	1.603	1.603	1.603
EXTREME SPREAD	:	2.835	2.460	2.401
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348725

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS = 2.266

VS = 2.696

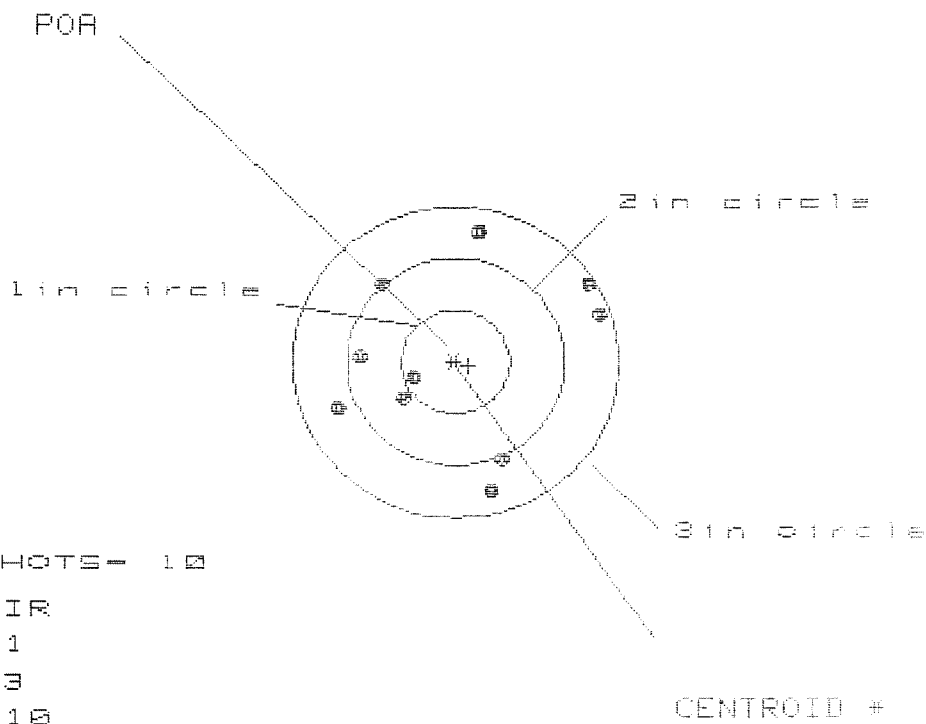
GS = 2.773

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.404	.488	.440
MINIMUM X	:	-.862	-.706	-.754
MAXIMUM Y	:	1.359	1.290	.595
MINIMUM Y	:	-1.337	-1.406	-1.244
CENTROID X	:	.133	-.023	.025
CENTROID Y	:	.163	.232	.070
POA TO CENTROID in.	:	.210	.233	.074
MIN RADIUS	:	.349	.448	.342
MEAN RADIUS	:	.873	.790	.716
MAX RADIUS	:	1.535	1.418	1.252
HORIZONTAL SPREAD	:	2.266	1.194	1.194
VERTICAL SPREAD	:	2.696	2.696	1.839
EXTREME SPREAD	:	2.773	2.756	2.038
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06340725

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 3

3 in = 10

HS = 2.401

VS = 2.474

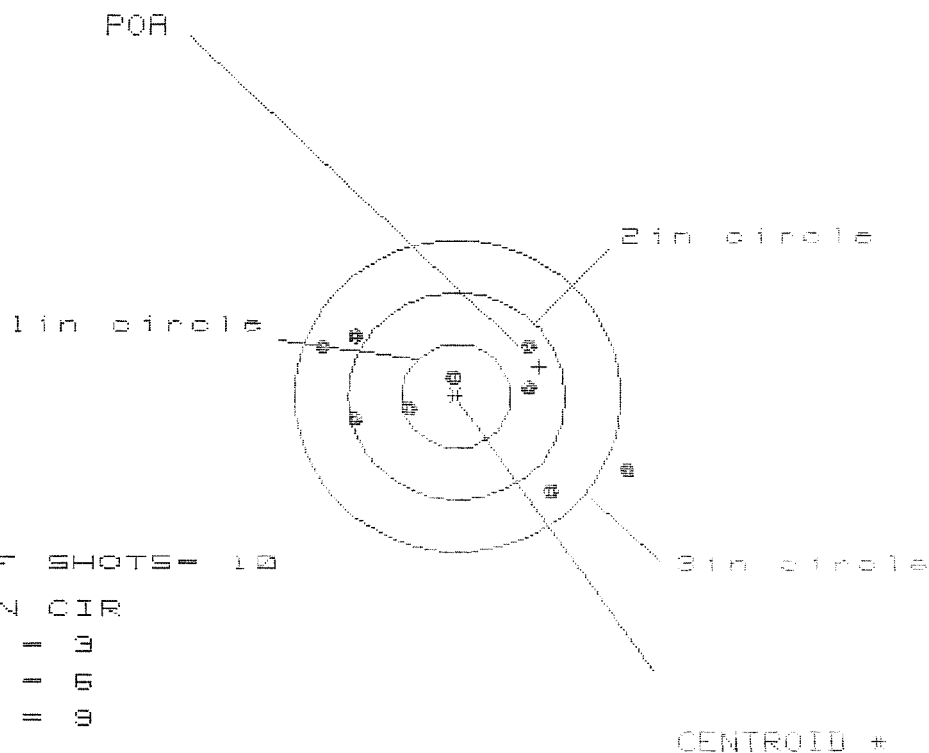
GS = 2.641

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.283	1.420	.774
MINIMUM X	:	-1.118	-.981	-.884
MAXIMUM Y	:	1.237	1.319	1.381
MINIMUM Y	:	-1.237	-1.155	-1.093
CENTROID X	:	-.121	-.258	-.435
CENTROID Y	:	.040	-.042	-.104
POA TO CENTROID in.	:	.128	.261	.448
MIN RADIUS	:	.382	.228	.049
MEAN RADIUS	:	1.052	.966	.833
MAX RADIUS	:	1.434	1.503	1.499
HORIZONTAL SPREAD	:	2.401	2.401	1.578
VERTICAL SPREAD	:	2.474	2.474	2.474
EXTREME SPREAD	:	2.641	2.559	2.475
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		10	

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0834B723

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS = 2.825

VS = 1.496

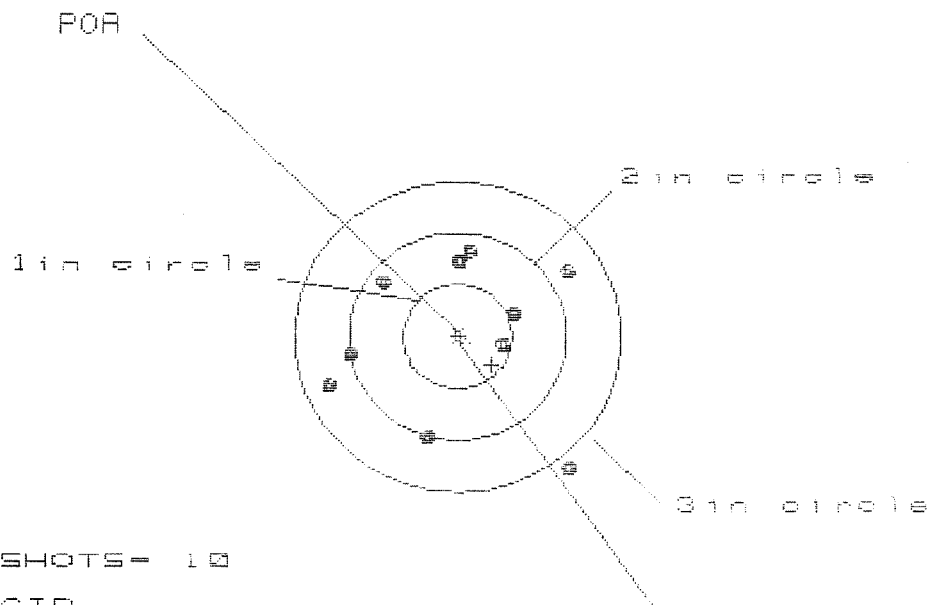
GS = 3.058

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.542	1.068	.929
MINIMUM X	:	-1.284	-1.112	-.932
MAXIMUM Y	:	.565	.486	.532
MINIMUM Y	:	-.931	-1.010	-.964
CENTROID X	:	-.764	-.935	-.796
CENTROID Y	:	-.285	-.206	-.253
POB TO CENTROID in.	:	.815	.957	.835
MIN RADIUS	:	.191	.130	.149
MEAN RADIUS	:	.876	.748	.701
MAX RADIUS	:	1.700	1.470	1.338
HORIZONTAL SPREAD	:	2.825	2.180	1.861
VERTICAL SPREAD	:	1.496	1.496	1.496
EXTREME SPREAD	:	3.058	2.583	2.331
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348725

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.259

VS= 2.167

GS= 2.527

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.027	1.135	.995
MINIMUM X	:	-1.232	-1.124	-.999
MAXIMUM Y	:	.869	.725	.646
MINIMUM Y	:	-1.298	-1.094	-1.173
CENTROID X	:	-.315	-.423	-.283
CENTROID Y	:	.273	.417	.496
POA TO CENTROID in.	:	.417	.594	.571
MIN RADIUS	:	.463	.557	.442
MEAN RADIUS	:	.952	.859	.773
MAX RADIUS	:	1.621	1.290	1.214
HORIZONTAL SPREAD	:	2.259	2.259	1.994
VERTICAL SPREAD	:	2.167	1.819	1.819
EXTREME SPREAD	:	2.527	2.527	2.148
NUMBER IN ONE INCH CIRCLE =		1		
NUMBER IN TWO INCH CIRCLE =		7		
NUMBER IN THREE INCH CIRCLE =		9		

Remington®

MODEL 700™ H24

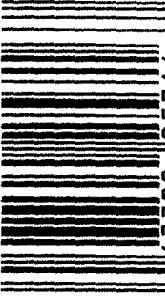
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO. C6348725	Ø1
ORDER NO. 5716	

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