

C6348776

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # 06348776

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10-9 89	RW
600	Proof		10-9 89	A
607	Check Headspace		10-9 89	RW
610	Dis-assemble Gun		10-9 89	RW
612	Magnaflux Barrel Action		11/2/89	KCR
	Magnaflux Bolt		11/2/89	KCR
615	Rollmark Caliber		11/2/89	G.S.
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11/3/89	1/A
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/6/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/6/89	RW
	C) Inspect Ejector Hole for Chamfer		11/6/89	RW
	D) Oil Firing Pin Ass'y		11/6/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/6/89	1/28

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11-13-89	JS
	G) Safety Off Force	3	3	3			11-15-89	JS
	H) Trigger Pull Test & Retainability						15 Nov 89	JS
	I) Firing Pin Indent	.0205	.0215	.0205			11-15-89	JS
	J) Assemble Stock						11/15/89	RW
	K) Assemble Swivel Studs						12/15/89	JS
	L) Attach Front and Rear Sight Assemblies						11/15/89	RW
	M) Iron Sight Alignment						11/15/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/15/89	RW
	O) Attach Scope to Rifle						10/15/89	JS
	P) Detach & Attach Scope 20 Times						10/15/89	JS
640	Gallery Target & Test						11-27-89	DH
	A) Time						11-27-89	DH
	B) Malfunctions						11-27-89	DH
	C) Pierced Primers						11-27-89	DH
	D) Optical Clarity of Scope						11-27-89	DH
645	Inspect for Live Ammo						11-27-89	DH
655	Final Inspection							
	A) Headspace						28 Nov 89	JS
	B) Trigger Pull	227	220	219	230	250	28 Nov 89	JS
	C) Function						28 Nov 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. 0634 8776

DATE 3-13-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.48	2.37	2.16	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.36	2.12	
PULL #3	2.40	2.41	2.55	
PULL #4	2.34	2.32	2.60	
PULL #5	2.33	2.40	2.55	
TOTAL	11.85	11.86	10.98	
AVG.	2.37	2.372	2.196	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.12	3.42	
PULL #2	3.14	3.41	
PULL #3	3.46	3.40	
PULL #4	3.39	3.40	
PULL #5	3.38	3.36	
TOTAL	16.49	16.99	
AVG.	3.298	3.398	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.67	4.40		
PULL #2	4.60	4.31		
PULL #3	4.62	4.42		
PULL #4	4.46	4.32		
PULL #5	4.31	4.30		
TOTAL	22.56	21.75		
AVG.	4.512	4.35		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348776
27 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.0485077
1 TO	2	.382462
1 TO	3	.233122
1 TO	4	.408923
1 TO	5	.295169

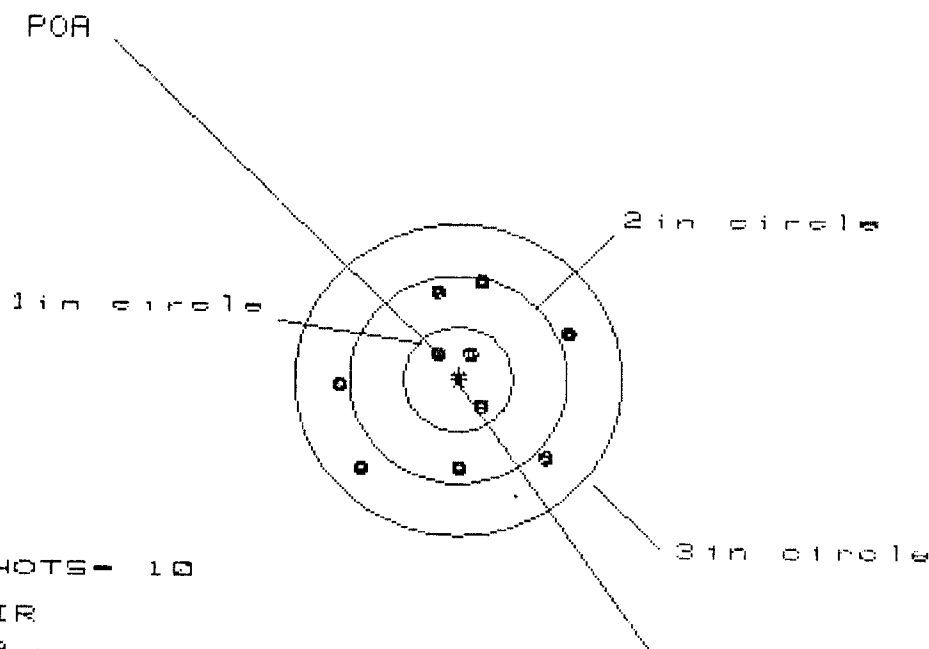
$\frac{5}{43} \pm 2$ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0842
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.008
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0945792
THE AMR FOR THIS RIFLE IS: .9796

27 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348776

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HM= 2.139

VS= 1.854

GS= 2.335

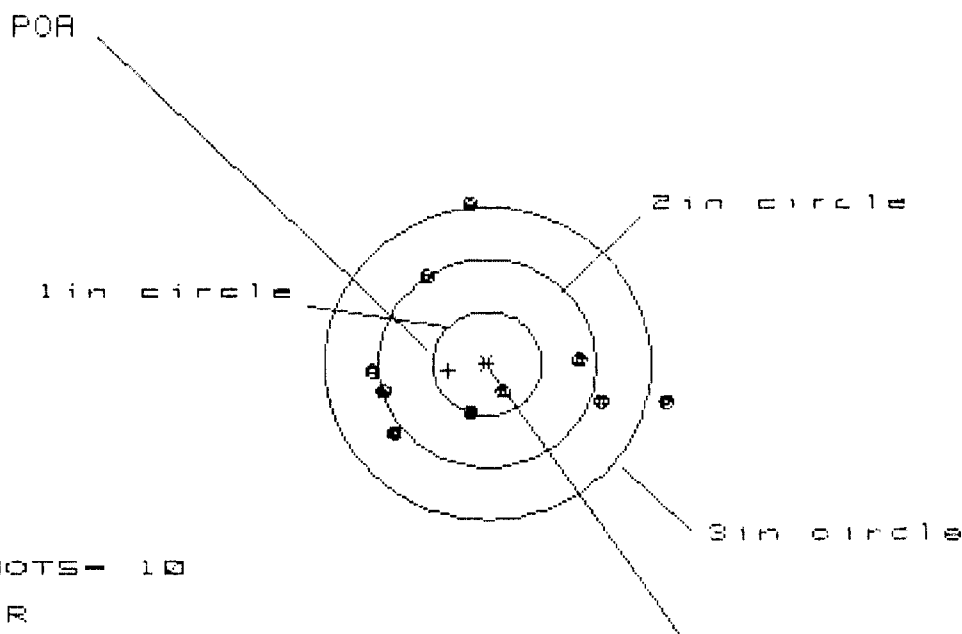
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.030	.930	.808
MINIMUM X	-1.109	-1.209	-1.093
MAXIMUM Y	.993	.897	.942
MINIMUM Y	-.861	-.946	-.901
CENTROID X	-.007	.093	-.023
CENTROID Y	-.048	.048	.003
POA TO CENTROID in.	.049	.104	.024
MIN RADIUS	.252	.125	.219
MEAN RADIUS	.810	.743	.710
MAX RADIUS	1.247	1.221	1.105
HORIZONTAL SPREAD	2.139	2.139	1.901
VERTICAL SPREAD	1.854	1.843	1.843
EXTREME SPREAD	2.335	2.202	2.002
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

27 Nov 1989

FILE: /PATTERNING/CENTERFIRE_PATT/C6346726

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 8

HS= 2.642

VS= 2.260

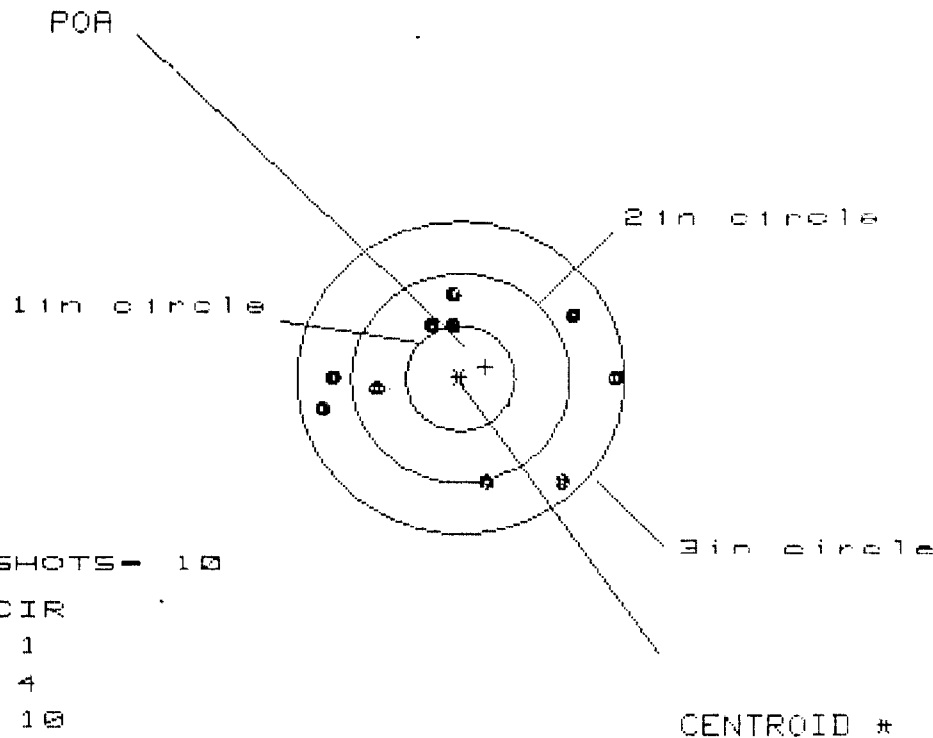
GS= 2.660

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.612	1.189	1.195
MINIMUM X	:	-1.030	-.850	-.844
MAXIMUM Y	:	1.560	1.521	1.011
MINIMUM Y	:	-.700	-.739	-.549
CENTROID X	:	.359	.179	.173
CENTROID Y	:	.063	.102	-.088
POA TO CENTROID in.	:	.364	.207	.194
MIN RADIUS	:	.302	.444	.323
MEAN RADIUS	:	1.013	.934	.821
MAX RADIUS	:	1.651	1.521	1.211
HORIZONTAL SPREAD	:	2.642	2.039	2.039
VERTICAL SPREAD	:	2.260	2.260	1.560
EXTREME SPREAD	:	2.660	2.373	2.061
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

27 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346776

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS= 2.749

VS= 1.831

GS= 2.764

CENTROID *

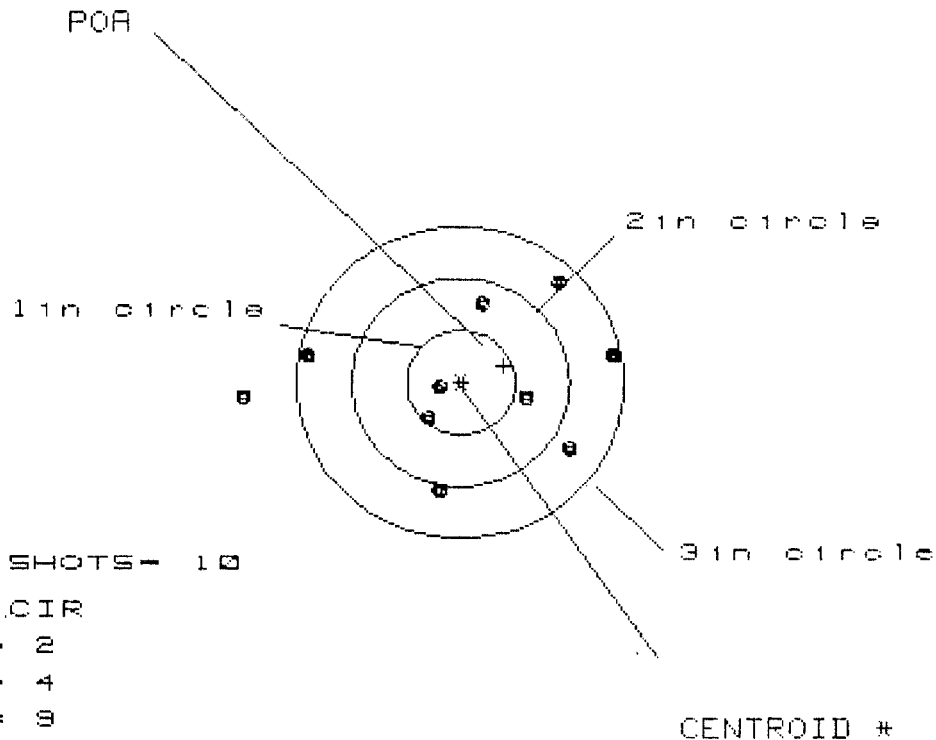
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.444	1.173	1.314
MINIMUM X	:	-1.305	-1.145	-1.004
MAXIMUM Y	:	.813	.811	.692
MINIMUM Y	:	-1.018	-1.020	-1.139
CENTROID X	:	-.232	-.392	-.533
CENTROID Y	:	-.109	-.107	.012
POA TO CENTROID in.	:	.256	.407	.533
MIN RADIUS	:	.467	.463	.400
MEAN RADIUS	:	1.020	.948	.840
MAX RADIUS	:	1.444	1.475	1.400
HORIZONTAL SPREAD	:	2.749	2.318	2.318
VERTICAL SPREAD	:	1.831	1.831	1.831
EXTREME SPREAD	:	2.764	2.489	2.489
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

27 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346776

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 3.377

VS= 1.963

CS= 3.394

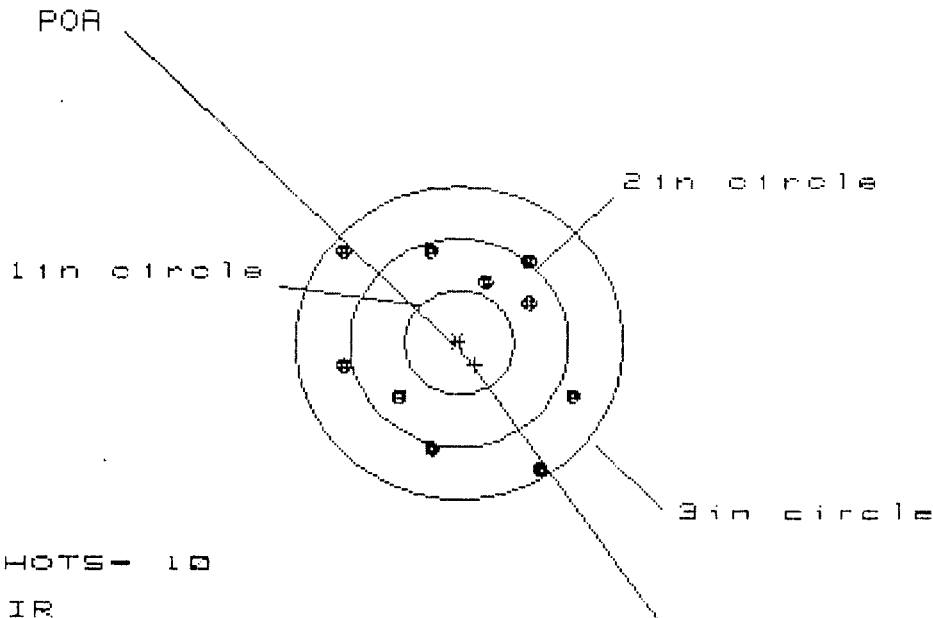
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.369	1.146	.902
MINIMUM X	:	-2.008	-1.585	-1.442
MAXIMUM Y	:	.957	.946	.975
MINIMUM Y	:	-1.006	-1.017	-.988
CENTROID X	:	-.400	-.177	-.320
CENTROID Y	:	-.161	-.150	-.179
POA TO CENTROID in.	:	.431	.232	.367
MIN RADIUS	:	.196	.352	.272
MEAN RADIUS	:	1.032	.911	.866
MAX RADIUS	:	2.010	1.604	1.467
HORIZONTAL SPREAD	:	3.377	2.731	2.344
VERTICAL SPREAD	:	1.963	1.963	1.963
EXTREME SPREAD	:	3.394	2.731	2.507
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

27 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348726

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 2.136

VS= 2.123

GS= 2.765

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.068	1.147	1.024
MINIMUM X	-1.068	-0.989	-1.112
MAXIMUM Y	.892	.755	.839
MINIMUM Y	-1.231	-1.179	-1.085
CENTROID X	-.141	-.220	-.097
CENTROID Y	.215	.352	.258
POA TO CENTROID in.	.257	.415	.275
MIN RADIUS	.626	.534	.573
MEAN RADIUS	1.023	.960	.921
MAX RADIUS	1.422	1.324	1.171
HORIZONTAL SPREAD	2.136	2.136	2.136
VERTICAL SPREAD	2.123	1.934	1.923
EXTREME SPREAD	2.765	2.557	2.160
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

Remington® **DU PONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee. 01

SERIAL NO.
C6348776

ORDER NO.
5716

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



5716 C6348776

UPC



0 47700 25716 7

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18081

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

W/10X SCOPE M-24 SNIPER, W/DEPLOYMENT KIT

ATTN: FRED MARTIN

Scope S/N 90-0284

DATE RECEIVED 06/09/94 DATE OPENED 06/09/94 DATE CODE

SERIAL NUMBER C6348776

NEW SERIAL NUMBER

MODEL AND GRADE 700 7-62

NATO

ACCESSORIES SLING STRAP 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
ANNISTONAL
36201-5025

CUST NO: 098397 CJO.DL

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

AIN FAULT

RTS

COMMENTS

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 0063692

M2409963731

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6348776

DATE 4-12-96

TESTER JA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.82	2.84	2.77		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.78	2.89	2.72		
PULL #3	2.82	2.80	2.77		
PULL #4	2.84	2.82	2.80		
PULL #5	2.80	2.83	2.74		
TOTAL	1406	1418	1380		
AVG.	2.81	2.83	2.76		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.02	3.05		
PULL #2	3.08	3.00		
PULL #3	3.10	3.00		
PULL #4	3.13	3.01		
PULL #5	3.09	3.05		
TOTAL	1542	1511		
AVG.	3.08	3.02		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.05		4.25
PULL #2	4.04	4.00		4.23
PULL #3	4.11	4.02		4.23
PULL #4	4.03	4.01		4.33
PULL #5	4.05	4.02		4.27
TOTAL	2040	2010		2131
AVG.	4.08	4.02		4.26

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348776
19 Mar 1900

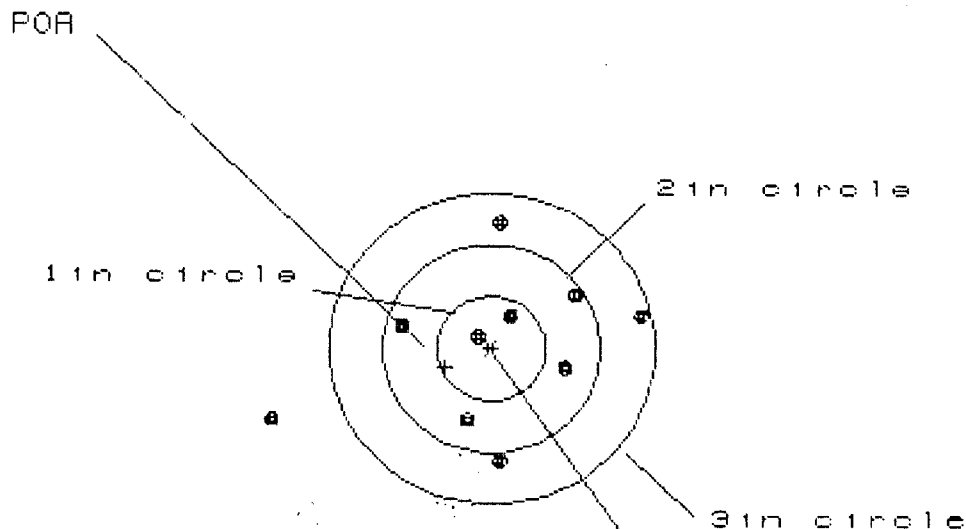
CENTROIDAL DISTANCES

0 TO	1	.462725
1 TO	2	.111759
1 TO	3	.264484
1 TO	4	.187523
1 TO	5	.163817

←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3388
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2222
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .405165
THE AMR FOR THIS RIFLE IS: .9952

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 3.336

VS = 2.316

GS = 3.492

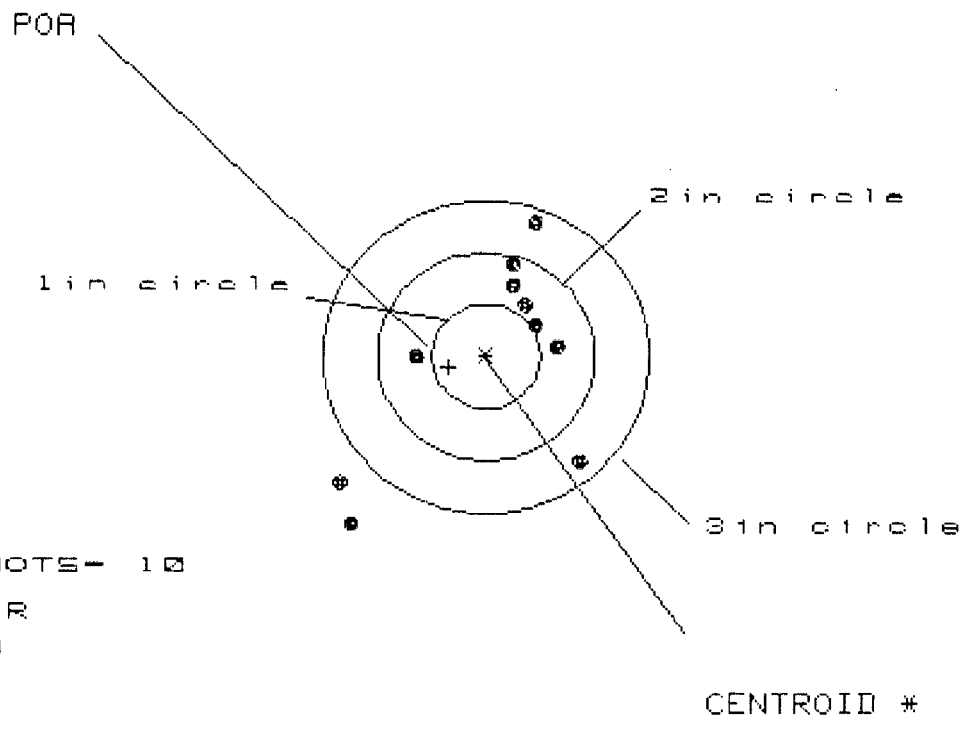
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.350	1.130	.674
MINIMUM X	-1.986	-1.004	-.863
MAXIMUM Y	1.227	1.148	1.179
MINIMUM Y	-1.089	-1.168	-1.137
CENTROID X	.425	.645	.504
CENTROID Y	.183	.262	.231
POA TO CENTROID in.	.462	.696	.555
MIN RADIUS	.135	.213	.194
MEAN RADIUS	.946	.797	.740
MAX RADIUS	2.108	1.176	1.179
HORIZONTAL SPREAD	3.336	2.134	1.537
VERTICAL SPREAD	2.316	2.316	2.316
EXTREME SPREAD	3.492	2.316	2.316
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

18 Mar 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6348776

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 8

HS= 2.234

VS= 2.927

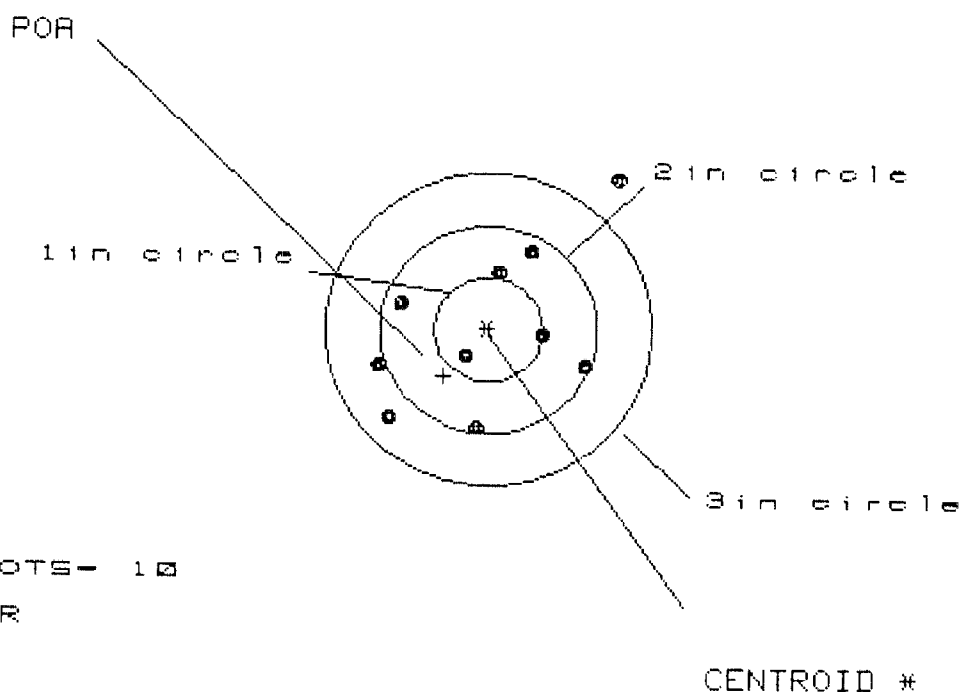
GS= 3.403

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.870	.730	.541
MINIMUM X	:	-1.364	-1.504	-.996
MAXIMUM Y	:	1.330	1.152	.981
MINIMUM Y	:	-1.597	-1.370	-1.323
CENTROID X	:	.344	.484	.672
CENTROID Y	:	.106	.284	.455
POA TO CENTROID in.	:	.360	.561	.812
MIN RADIUS	:	.558	.348	.136
MEAN RADIUS	:	1.065	.871	.623
MAX RADIUS	:	2.039	2.034	1.429
HORIZONTAL SPREAD	:	2.234	2.234	1.538
VERTICAL SPREAD	:	2.927	2.522	2.304
EXTREME SPREAD	:	3.403	3.117	2.339
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CG348776

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.136

VS= 2.459

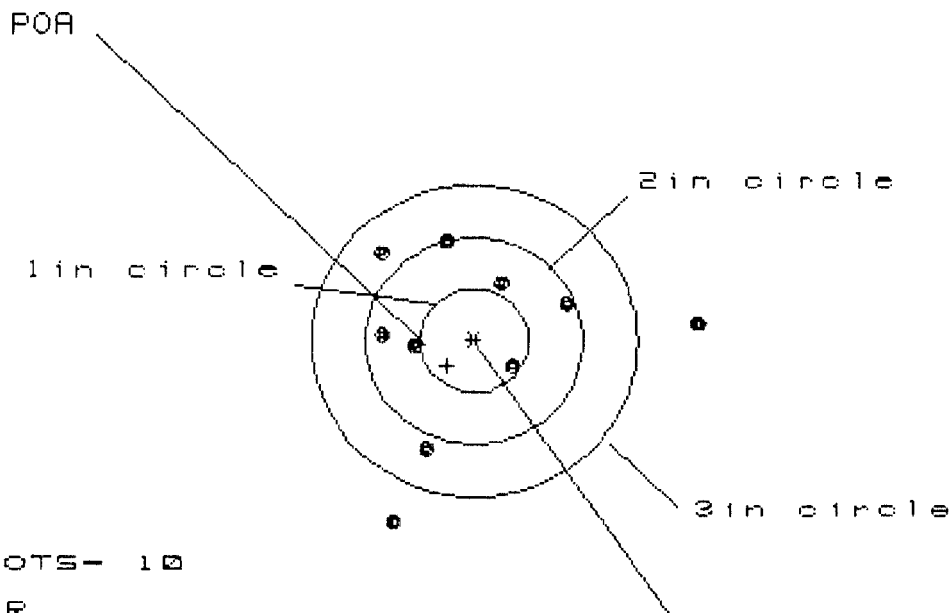
GS= 3.107

PATTERN #	13	13	13
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.147	1.014	.920
MINIMUM X	-.989	-.861	-.955
MAXIMUM Y	1.466	.899	.809
MINIMUM Y	-.993	-.830	-.920
CENTROID X	.409	.281	.375
CENTROID Y	.447	.284	.374
POA TO CENTROID in.	.606	.400	.530
MIN RADIUS	.331	.125	.255
MEAN RADIUS	.915	.787	.752
MAX RADIUS	1.862	1.048	1.008
HORIZONTAL SPREAD	2.136	1.875	1.875
VERTICAL SPREAD	2.459	1.729	1.729
EXTREME SPREAD	3.107	2.074	1.875
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

18 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6348726

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.912

VS= 2.668

GS= 3.364

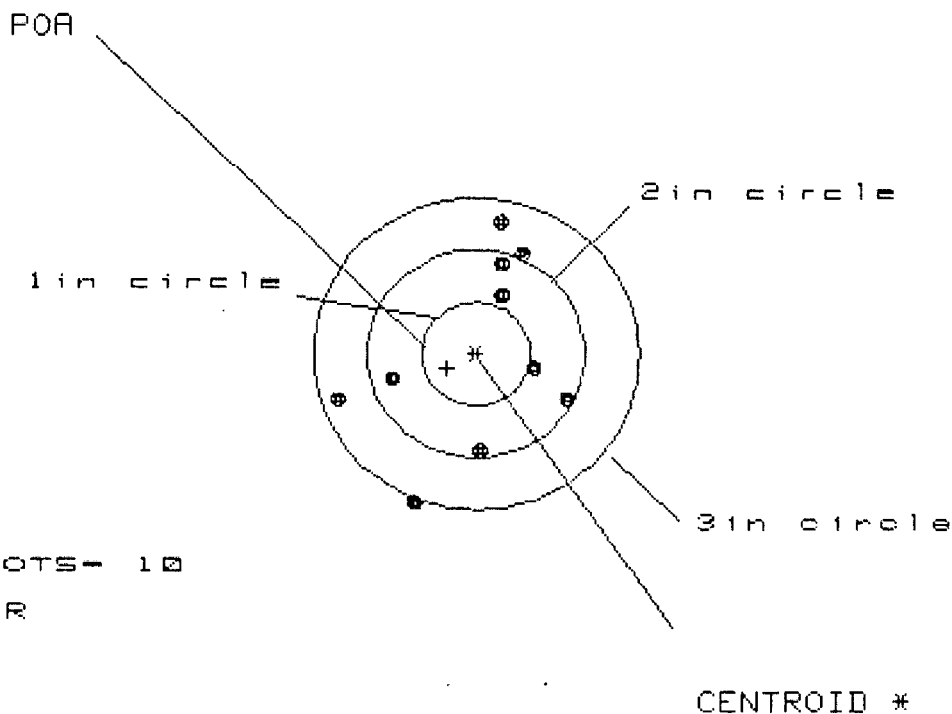
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.062	1.091	1.028
MINIMUM X	:	-.850	-.621	-.684
MAXIMUM Y	:	.951	.969	.756
MINIMUM Y	:	-1.717	-1.699	-1.208
CENTROID X	:	.247	.018	.081
CENTROID Y	:	.242	.224	.437
POA TO CENTROID in.	:	.346	.225	.444
MIN RADIUS	:	.404	.283	.404
MEAN RADIUS	:	1.052	.917	.787
MAX RADIUS	:	2.068	1.772	1.231
HORIZONTAL SPREAD	:	2.912	1.712	1.712
VERTICAL SPREAD	:	2.668	2.668	1.964
EXTREME SPREAD	:	3.364	2.714	1.971
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CG34B776

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in - 0

2 in - 6

3 in - 9

HS - 2.027

VS - 2.765

GS - 2.863

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.794	.733	.751
MINIMUM X	:	-1.233	-1.294	-1.276
MAXIMUM Y	:	1.300	1.137	.941
MINIMUM Y	:	-1.465	-1.092	-.950
CENTROID X	:	.269	.330	.312
CENTROID Y	:	.133	.296	.154
POA TO CENTROID in.	:	.300	.443	.348
MIN RADIUS	:	.577	.404	.540
MEAN RADIUS	:	.998	.908	.881
MAX RADIUS	:	1.563	1.418	1.350
HORIZONTAL SPREAD	:	2.027	2.027	2.027
VERTICAL SPREAD	:	2.765	2.229	1.891
EXTREME SPREAD	:	2.863	2.236	2.163
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6348776

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			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/30/96	AC
	G) Safety Off Force	4	4	4			5/30/96	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	2.85	2.88	2.78	2.75	2.77	5/30/96	WLB
	C) Function							
660	Pack							