

C6587693

MODEL 700™ M24

Model **SMS** - TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-21338

INITIAL
JJM

CUSTOMER ORDER NO.

W/LEUPOLD 10X SCOPE, DEPLOYMENT KIT
L/STOCK

Scope S/N 90-0557

DATE RECEIVED 07/15/94
DATE OPENED 07/18/94
DATE CODE

SERIAL NUMBER
C6587693

NEW SERIAL NUMBER

MODEL AND GRADE
700 7.62

NATO

ACCESSORIES 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.D.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

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

✓ Barrel
✓ Stock
✓ Trigger Assy
✓ Firing pin Assy
✓ Main Spring
✓ Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

5/6/96

5/6/96

OFFICE COPY

RD6325 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400025396

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587693

DATE 4-19-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.75	2.63	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.71	2.59	2.68	
PULL #3	2.68	2.57	2.69	
PULL #4	2.63	2.61	2.65	
PULL #5	2.65	2.61	2.69	
TOTAL	1342	1301	1340	
AVG.	2.68	2.60	2.68	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.19	3.09	
PULL #2	3.20	3.11	
PULL #3	3.18	3.21	
PULL #4	3.21	3.14	
PULL #5	3.11	3.09	
TOTAL	1589	1564	
AVG.	3.17	3.12	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.01		4.26
PULL #2	4.13	4.05		4.24
PULL #3	4.04	4.06		4.21
PULL #4	4.00	4.06		4.22
PULL #5	4.12	4.03		4.23
TOTAL	2039	2021		2116
AVG.	4.07	4.04		4.23

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587693
5 Mar 1900

CENTROIDAL DISTANCES

0 TO	1	.360006
1 TO	2	.425207
1 TO	3	.555815
1 TO	4	.593111
1 TO	5	.508098

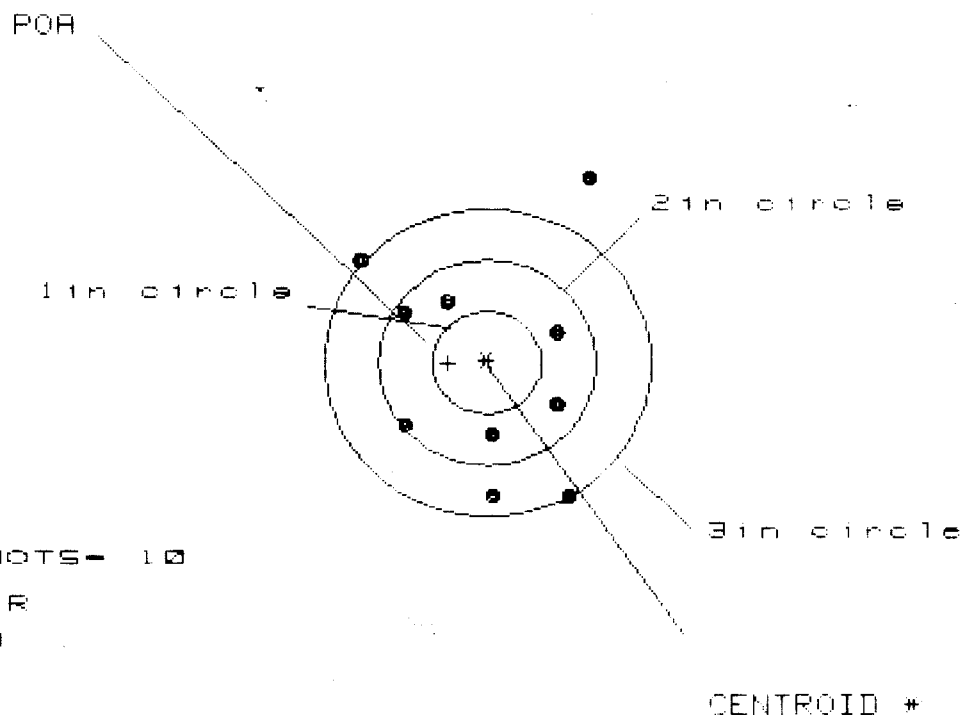
 f) -----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1844
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3608
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .405191
THE AMR FOR THIS RIFLE IS: 1.076

5 Mar 1900

FILE:/PATTERNING/CENTERFIRE_PATT/06587693

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 0

2in - 6

3in - 8

HS- 2.100

VS- 3.156

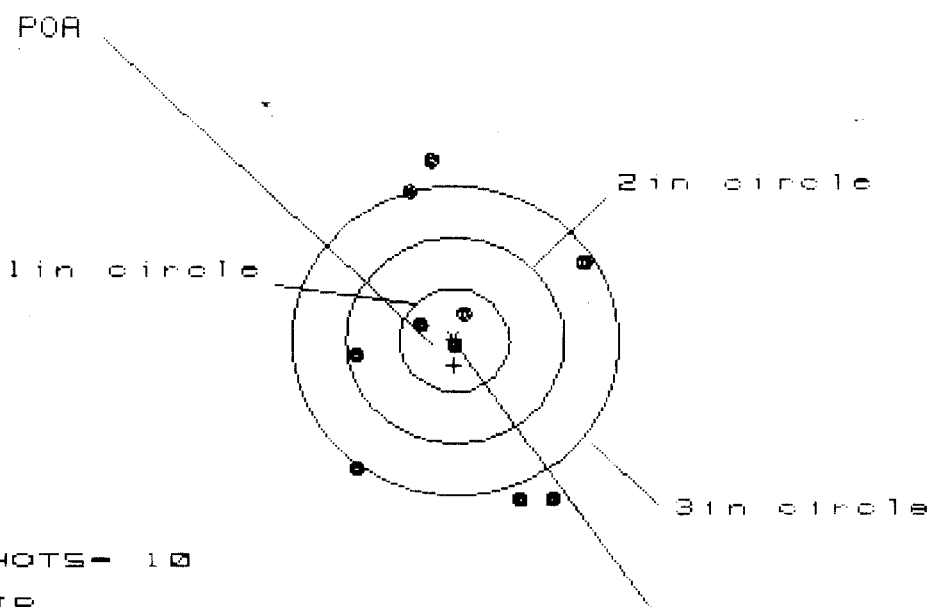
GS- 3.289

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.976	.932	.704
MINIMUM X	:	-1.133	-1.024	-.800
MAXIMUM Y	:	1.828	1.190	.944
MINIMUM Y	:	-1.328	-1.125	-.976
CENTROID X	:	.360	.252	.380
CENTROID Y	:	.002	-.201	-.350
POA TO CENTROID in.	:	.361	.322	.516
MIN RADIUS	:	.665	.499	.330
MEAN RADIUS	:	1.099	.968	.864
MAX RADIUS	:	2.072	1.570	1.182
HORIZONTAL SPREAD	:	2.108	1.856	1.504
VERTICAL SPREAD	:	3.156	2.315	1.920
EXTREME SPREAD	:	3.289	2.915	2.330
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

5 Mar 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06587693

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 5

HS= 2.136

VS= 3.378

GS= 3.487

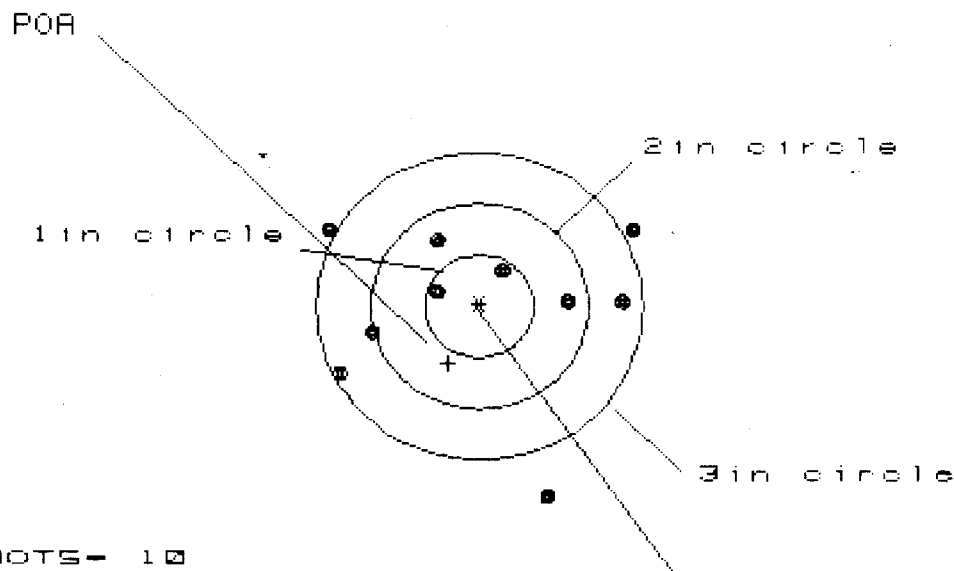
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.194	1.171	1.273
MINIMUM X	:	-.942	-.965	-.863
MAXIMUM Y	:	1.804	1.647	1.481
MINIMUM Y	:	-1.574	-1.373	-1.539
CENTROID X	:	.009	.032	-.070
CENTROID Y	:	.242	.041	.207
POA TO CENTROID in.	:	.242	.052	.218
MIN RADIUS	:	.037	.183	.114
MEAN RADIUS	:	1.142	1.099	.988
MAX RADIUS	:	1.816	1.712	1.698
HORIZONTAL SPREAD	:	2.136	2.136	2.136
VERTICAL SPREAD	:	3.378	3.020	3.020
EXTREME SPREAD	:	3.487	3.235	3.209
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08587693

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 2.871

VS= 2.659

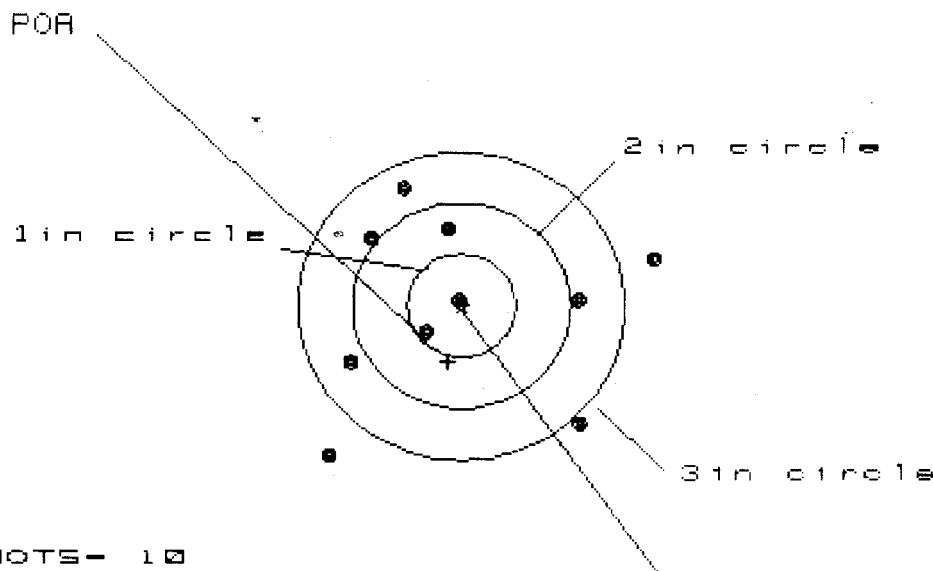
GS= 3.365

PATTERN #	3	4	8
SHOTS (BEST OF)	10	4	8
MAXIMUM X	1.453	1.524	1.616
MINIMUM X	-1.418	-1.347	-1.156
MAXIMUM Y	.757	.546	.611
MINIMUM Y	-1.902	-.823	-.758
CENTROID X	.287	.216	.025
CENTROID Y	.553	.764	.699
POA TO CENTROID in.	.623	.794	.700
MIN RADIUS	.447	.339	.174
MEAN RADIUS	1.148	1.011	.912
MAX RADIUS	2.008	1.611	1.620
HORIZONTAL SPREAD	2.871	2.871	2.772
VERTICAL SPREAD	2.659	1.369	1.369
EXTREME SPREAD	3.365	3.039	2.966
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 4		
NUMBER IN THREE INCH CIRCLE	= 7		

5 Mar 1900

FILE:/PATTERNING/CENTERFIRE_PATT/06587693

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 3.013

VS= 2.623

GS= 3.570

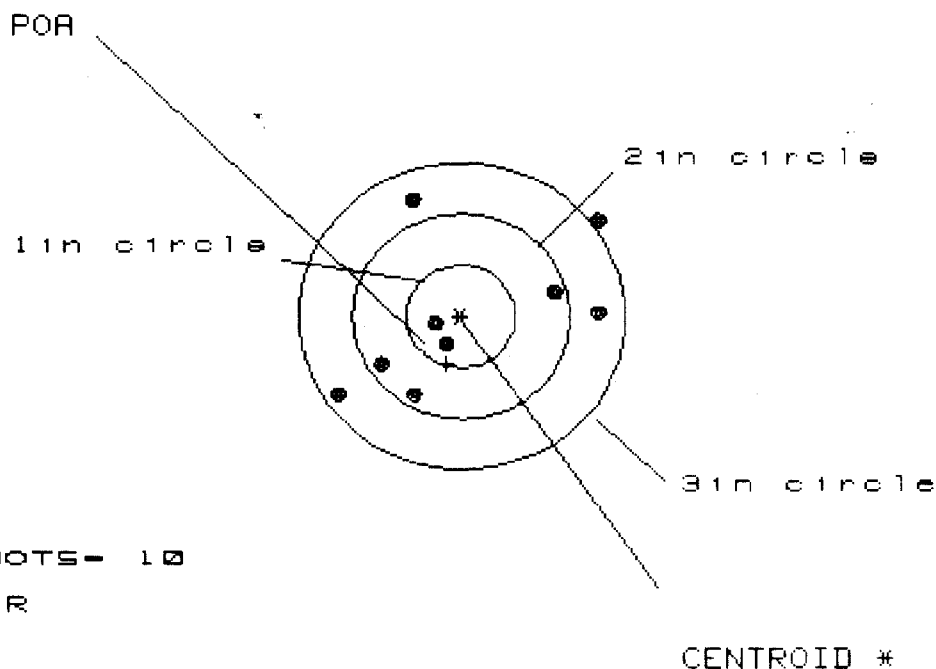
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.798	1.663	1.172
MINIMUM X	:	-1.215	-1.127	-.919
MAXIMUM Y	:	1.199	1.040	1.082
MINIMUM Y	:	-1.424	-1.290	-1.248
CENTROID X	:	.126	.261	.053
CENTROID Y	:	.547	.706	.664
POA TO CENTROID in.	:	.562	.752	.666
MIN RADIUS	:	.094	.184	.048
MEAN RADIUS	:	1.112	1.033	.899
MAX RADIUS	:	1.872	1.696	1.682
HORIZONTAL SPREAD	:	3.013	2.790	2.091
VERTICAL SPREAD	:	2.623	2.330	2.330
EXTREME SPREAD	:	3.570	2.974	2.812
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

5 Mar 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587693

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.457

VS= 1.856

GS= 2.997

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.269	1.408	1.277
MINIMUM X	:	-1.188	-1.049	-.770
MAXIMUM Y	:	1.095	1.204	1.123
MINIMUM Y	:	-.761	-.652	-.732
CENTROID X	:	.140	.001	.132
CENTROID Y	:	.460	.351	.432
POA TO CENTROID in.	:	.481	.351	.452
MIN RADIUS	:	.192	.074	.104
MEAN RADIUS	:	.880	.746	.718
MAX RADIUS	:	1.590	1.417	1.279
HORIZONTAL SPREAD	:	2.457	2.457	2.047
VERTICAL SPREAD	:	1.856	1.856	1.855
EXTREME SPREAD	:	2.997	2.586	2.106
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587693

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	6 1/2	6 3/4	6 1/2			5/7/96	W.B.
	G) Safety Off Force	3	3	3			5/7/96	W.B.
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.0245	.0245	.024			5/7/96	W.B.
	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	2.77	2.79	2.80	2.78	2.83	5/7/96	W.B.
	C) Function							
660	Pack							

Remington®

MODEL 700™ H24

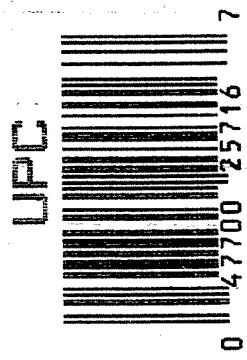
MADE IN ILION, N.Y., U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

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

SERIAL NO.
C6587693

ORDER NO.
5716



IRON SIGHTS OK

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587693

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/24/90	KH
600	Proof		10/24/90	KH
607	Check Headspace		10/24/90	KH
610	Dis-assemble Gun		10/24/90	KH
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	SB
617	Drill and Tap Sight Holes		11/6/90	FB
618	Polish Barrel RB		11/7/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	SH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/4/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/4/90	KS
	C) Inspect Ejector Hole for Chamfer		12/4/90	KS
	D) Oil Firing Pin Ass'y		12/4/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/5/90	SH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			12/5/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			12/5/90	WB
	H) Trigger Pull Test & Retainability						12/5/90	JS
	I) Firing Pin Indent	.022	.0215	.022			12/5/90	WB
	J) Assemble Stock						12/5/90	KS
	K) Assemble Swivel Studs						12-7-90	JS
	L) Attach Front and Rear Sight Assemblies						12/5/90	KS
	M) Iron Sight Alignment						12/5/90	KS
	N) Detach Front & Rear Sights & place in numbered container						12/5/90	KS
	O) Attach Scope to Rifle						12/5/90	KS
	P) Detach & Attach Scope 20 Times						12/5/90	KS
640	Gallery Target & Test						12-6-90	DH
	A) Time						12-6-90	DH
	B) Malfunctions						12-6-90	DH
	C) Pierced Primers						12-6-90	DH
	D) Optical Clarity of Scope						12-6-90	DH
645	Inspect for Live Ammo						12-6-90	DH
655	Final Inspection							
	A) Headspace						12-7-90	JS
	B) Trigger Pull	2.61	2.57	2.54	2.51	2.44	12-7-90	JS
	C) Function						12-7-90	JS
660	Pack						12-9-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587693
DATE 12/5/90
TESTER JPI

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.41	2.44	2.61	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.46	2.44	2.57	
PULL #3	2.44	2.46	2.44	2.54	
PULL #4	2.27	2.44	2.50	2.51	
PULL #5	2.48	2.49	2.46	2.44	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.41		
PULL #2	3.17	3.41		
PULL #3	3.23	3.41		
PULL #4	3.38	3.38		
PULL #5	3.37	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.39		4.33
PULL #2	4.30	4.38		4.36
PULL #3	4.34	4.37		4.35
PULL #4	4.30	4.36		4.37
PULL #5	4.33	4.36		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587693
6 Dec 1990

CENTROIDAL DISTANCES

0 TO 1	.474427
1 TO 2	.197041
1 TO 3	.706375
1 TO 4	.687748
1 TO 5	.277108

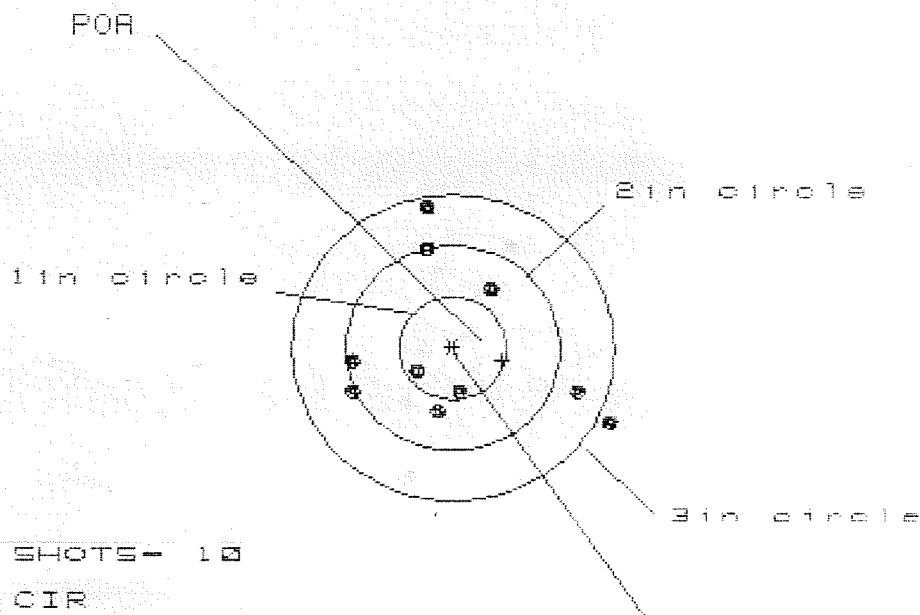
1251# <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.102
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0986
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .141866
THE AMR FOR THIS RIFLE IS: .8894

6 Dec 1938

FILE:/PATTERNING/CENTERFIRE_PATT/06587693

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 2

2in - 5

3in - 9

HS- 2.453

VS- 2.056

GS- 2.701

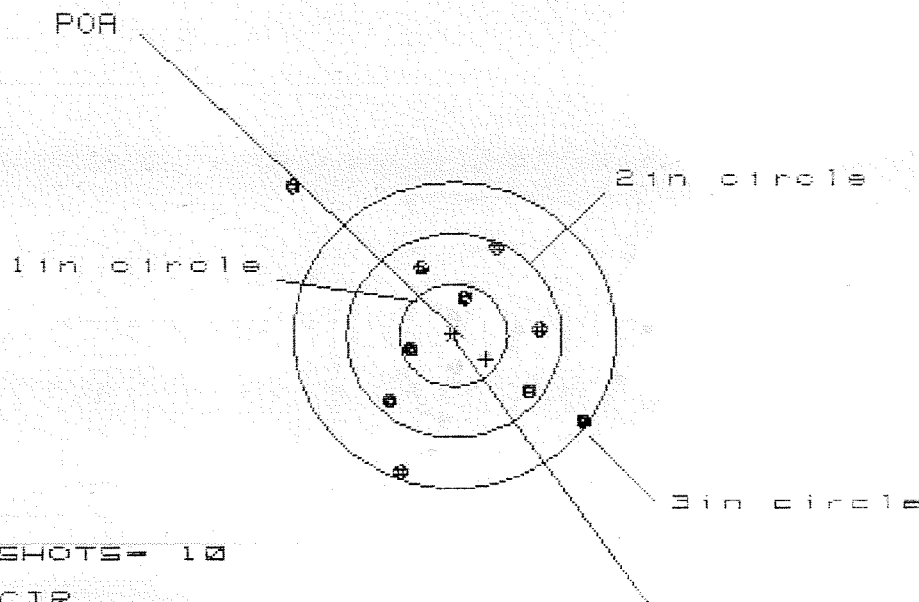
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.475	1.332	1.318
MINIMUM X	:	-.978	-.814	-.828
MAXIMUM Y	:	1.336	1.256	1.100
MINIMUM Y	:	-.720	-.683	-.526
CENTROID X	:	-.459	-.623	-.609
CENTROID Y	:	.120	.200	.043
POA TO CENTROID in.	:	.474	.654	.610
MIN RADIUS	:	.405	.397	.291
MEAN RADIUS	:	.951	.861	.777
MAX RADIUS	:	1.641	1.409	1.352
HORIZONTAL SPREAD	:	2.453	2.146	2.146
VERTICAL SPREAD	:	2.056	1.939	1.626
EXTREME SPREAD	:	2.701	2.243	2.157
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587693

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.648

VS= 2.741

GS= 3.503

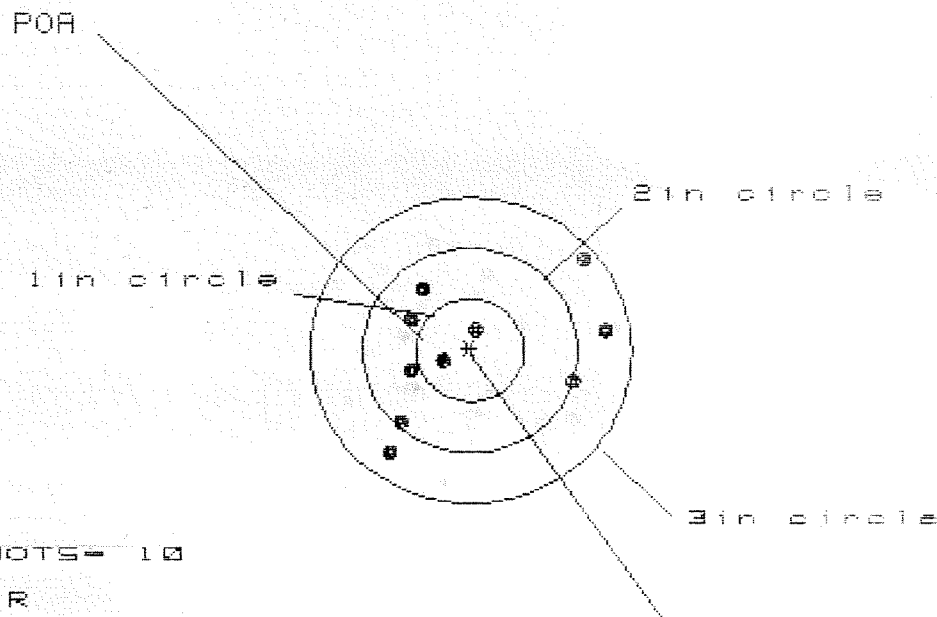
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.172	1.009	.727
MINIMUM X	:	-1.475	-.744	-.618
MAXIMUM Y	:	1.454	1.027	.942
MINIMUM Y	:	-1.288	-1.126	-1.211
CENTROID X	:	-.299	-.136	-.262
CENTROID Y	:	.235	.074	.159
POA TO CENTROID in.	:	.381	.154	.306
MIN RADIUS	:	.402	.544	.428
MEAN RADIUS	:	.986	.862	.798
MAX RADIUS	:	2.071	1.286	1.308
HORIZONTAL SPREAD	:	2.648	1.753	1.345
VERTICAL SPREAD	:	2.741	2.153	2.153
EXTREME SPREAD	:	3.503	2.320	2.320
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587693

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 10

HS = 2.006

VS = 1.845

GS = 2.584

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.240	1.356	1.219
MINIMUM X	-.766	-.650	-.481
MAXIMUM Y	.854	.723	.763
MINIMUM Y	-.991	-.896	-.856
CENTROID X	.247	.131	-.038
CENTROID Y	.097	.002	-.038
POA TO CENTROID in.	.265	.131	.054
MIN RADIUS	.226	.155	.079
MEAN RADIUS	.830	.748	.628
MAX RADIUS	1.348	1.392	1.233
HORIZONTAL SPREAD	2.006	2.006	1.700
VERTICAL SPREAD	1.845	1.619	1.619
EXTREME SPREAD	2.584	2.343	1.828
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

6 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08587693

CENTERFIRE PATTERNS

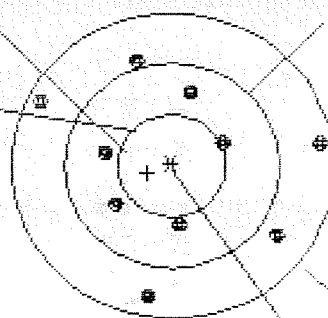
4

POA

1 in circle

2 in circle

3 in circle



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 10

HS = 2.659

VS = 2.283

GS = 2.690

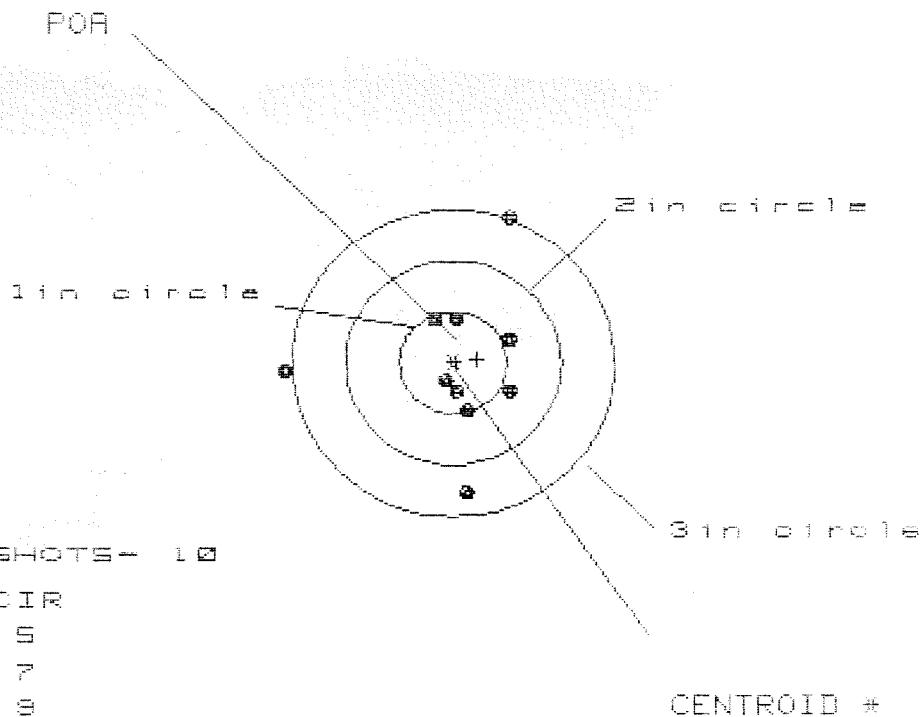
CENTROID *

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.404	1.096	.958
MINIMUM X	-1.254	-1.098	-.633
MAXIMUM Y	.992	1.017	1.099
MINIMUM Y	-1.291	-1.266	-1.184
CENTROID X	.227	.071	.209
CENTROID Y	.071	.046	-.036
POA TO CENTROID in.	.238	.085	.212
MIN RADIUS	.513	.507	.441
MEAN RADIUS	.954	.889	.833
MAX RADIUS	1.422	1.294	1.207
HORIZONTAL SPREAD	2.659	2.194	1.591
VERTICAL SPREAD	2.283	2.283	2.283
EXTREME SPREAD	2.690	2.573	2.285
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS # 5



HS= 2.089
VS= 2.694
GS= 2.730

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.542	.370	.408
MINIMUM X	-1.547	-.382	-.336
MAXIMUM Y	1.398	1.391	.613
MINIMUM Y	-1.296	-1.303	-1.129
CENTROID X	-.226	-.054	-.100
CENTROID Y	-.030	-.023	-.197
POA TO CENTROID in.	.228	.059	.221
MIN RADIUS	.177	.273	.149
MEAN RADIUS	.726	.625	.492
MAX RADIUS	1.548	1.440	1.129
HORIZONTAL SPREAD	2.089	.752	.744
VERTICAL SPREAD	2.694	2.694	1.742
EXTREME SPREAD	2.730	2.730	1.769
NUMBER IN ONE INCH CIRCLE =		5	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	