

06523310

MODEL 700™ M24

Model **SMS**™

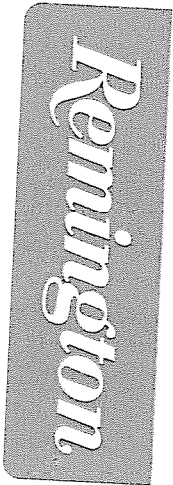
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18222

INITIAL FDC	CUSTOMER ORDER NO. DAAA09-92-C-0834	W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT ATTN: FRED MARTIN				Scope # 90-0620	
DATE RECEIVED 06/10/94	DATE OPENED 06/10/94	DATE CODE	SERIAL NUMBER C6523310	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-D.DL

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA FRT
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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	\$643.42
✓ Stock	471.11
Trigger Assy	173.31
✓ Firing pin Assy	9.96
✓ Mag follower	6.12
✓ Mag Spring	1.20
CTI	50.00
	\$1355.62
REPAIRMAN KW	PROOF ✓
GALLERY TESTER	DATE 6/23/96
CLEAN ✓	DATE 6/23/96
TEST WB	DATE 6/23/96
TARGET WB	DATE 6/23/96
PATTERN	DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 066590005939

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523310

DATE 11-7-95

TESTER JA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.71	2.72	2.79		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.75	2.78		
PULL #3	2.57	2.71	2.78		
PULL #4	2.72	2.71	2.80		
PULL #5	2.73	2.60	2.80		
TOTAL	13.38	13.49	13.95		
AVG.	2.67	2.69	2.79		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.27		
PULL #2	3.23	3.26		
PULL #3	3.27	3.30		
PULL #4	3.00	3.28		
PULL #5	3.25	3.30		
TOTAL	16.03	16.41		
AVG.	3.20	3.28		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.21		4.06
PULL #2	4.25	4.22		4.05
PULL #3	4.03	4.15		4.00
PULL #4	4.23	4.23		4.04
PULL #5	4.19	4.22		4.06
TOTAL	20.92	21.03		20.21
AVG.	4.18	4.20		4.04

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 652 3310

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 0005903

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 3/4	5 3/4	5 3/4			1/25/96	WB
	G) Safety Off Force	2 1/2	3	2 1/2			1/25/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.024	.023	.023			1/25/96	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						1/22/96	WB
	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	2.81	2.81	2.82	2.83	2.85	1/25/96	WB
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523310
1 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	1.22541
1 TO	2	.38334
1 TO	3	.794605
1 TO	4	1.07069
1 TO	5	.313436

$\frac{2}{49.51}$

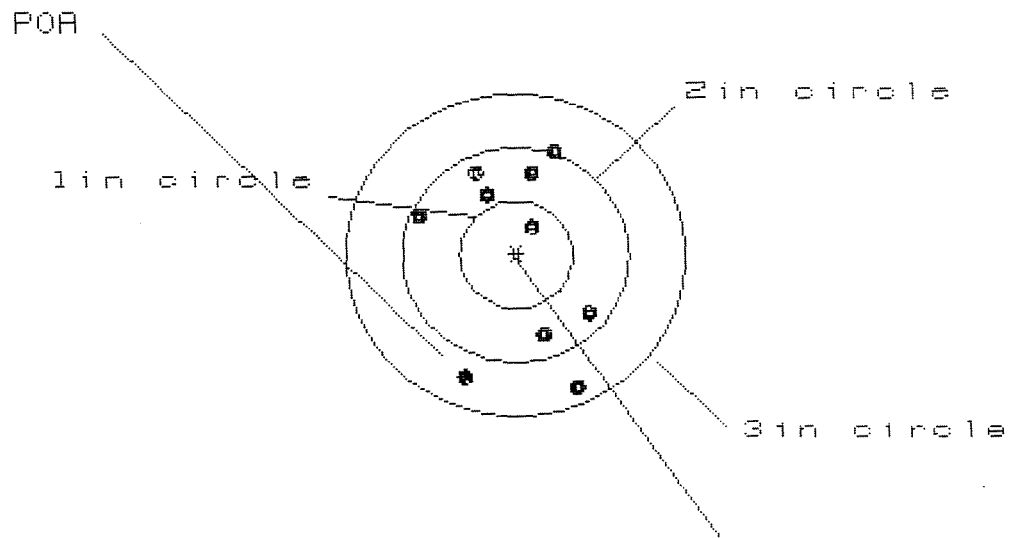
+ (----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0144
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.1444
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.14449
THE AMR FOR THIS RIFLE IS: 1.039

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6523310

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 10

HS= 1.575

VS= 2.124

GS= 2.225

CENTROID #

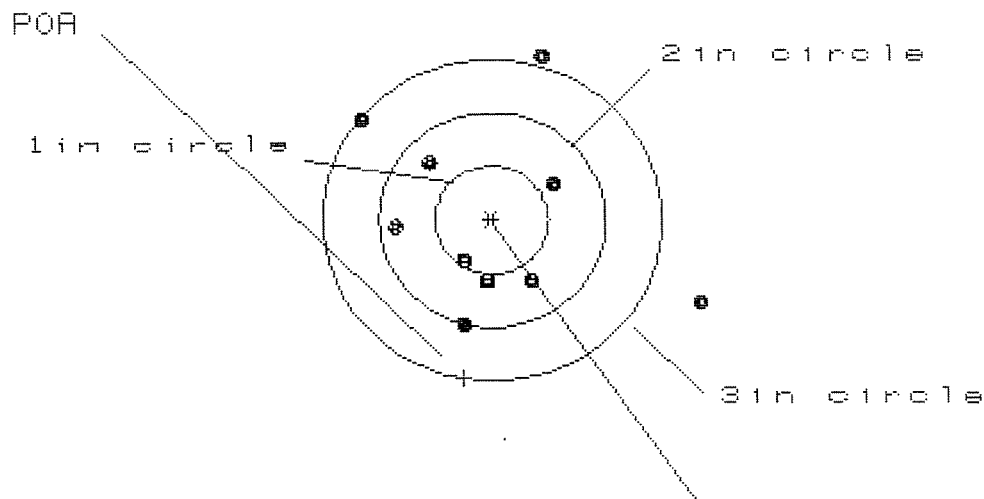
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8

MAXIMUM X	:	.682	.742	.689
MINIMUM X	:	-.893	-.833	-.886
MAXIMUM Y	:	.929	.797	.637
MINIMUM Y	:	-1.195	-1.273	-.991
CENTROID X	:	.457	.397	.450
CENTROID Y	:	1.137	1.269	1.429
POA TO CENTROID in.	:	1.225	1.330	1.498
MIN RADIUS	:	.326	.264	.162
MEAN RADIUS	:	.865	.784	.665
MAX RADIUS	:	1.310	1.342	1.108
HORIZONTAL SPREAD	:	1.575	1.575	1.575
VERTICAL SPREAD	:	2.124	2.070	1.628
EXTREME SPREAD	:	2.225	2.225	1.819
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8523310

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

CENTROID *

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS = 3.006

VS = 2.496

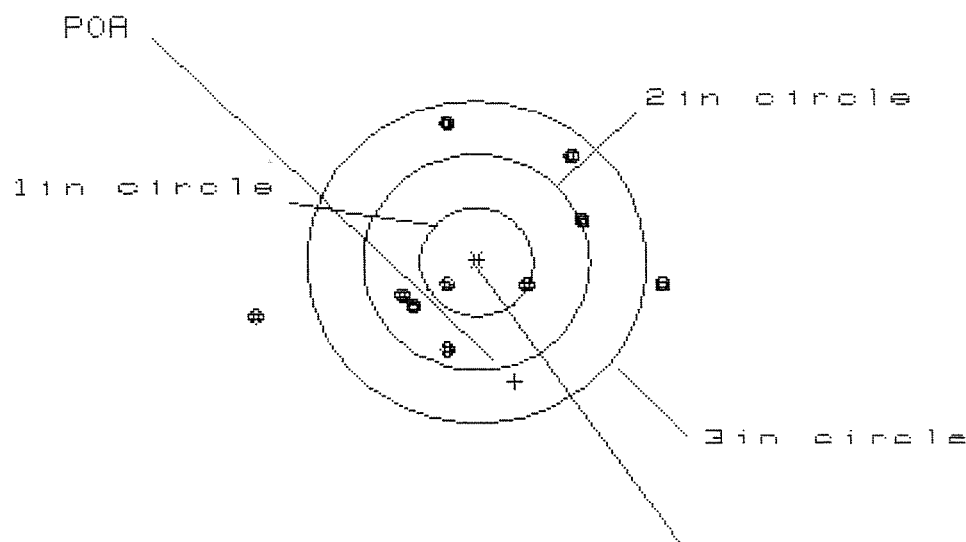
GS = 3.409

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.818	.728	.803
MINIMUM X	:	-1.188	-.986	-.911
MAXIMUM Y	:	1.560	1.480	.992
MINIMUM Y	:	-.936	-1.016	-.831
CENTROID X	:	.252	.050	-.025
CENTROID Y	:	1.468	1.548	1.363
POA TO CENTROID in.	:	1.489	1.549	1.363
MIN RADIUS	:	.421	.439	.260
MEAN RADIUS	:	1.000	.882	.747
MAX RADIUS	:	1.955	1.598	1.347
HORIZONTAL SPREAD	:	3.006	1.714	1.714
VERTICAL SPREAD	:	2.496	2.496	1.823
EXTREME SPREAD	:	3.409	2.569	2.155
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/08523310

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 3.582

VS= 2.068

GS= 3.595

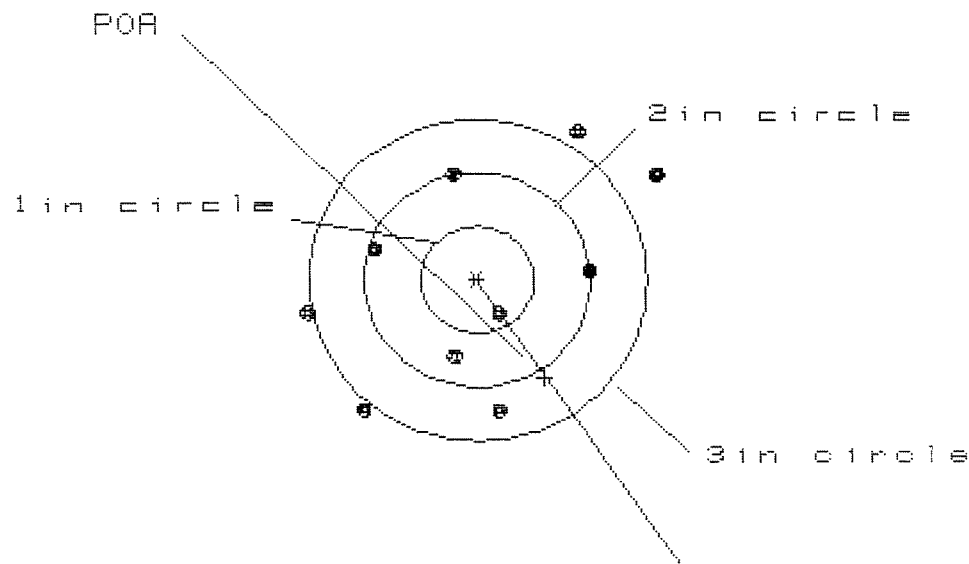
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.660	1.446	.933
MINIMUM X	:	-1.922	-.910	-.729
MAXIMUM Y	:	1.260	1.207	1.180
MINIMUM Y	:	-.808	-.861	-.888
CENTROID X	:	-.337	-.123	-.304
CENTROID Y	:	1.106	1.159	1.186
POA TO CENTROID in.	:	1.157	1.165	1.225
MIN RADIUS	:	.288	.346	.367
MEAN RADIUS	:	1.034	.935	.852
MAX RADIUS	:	1.979	1.463	1.226
HORIZONTAL SPREAD	:	3.582	2.356	1.662
VERTICAL SPREAD	:	2.068	2.068	2.068
EXTREME SPREAD	:	3.595	2.380	2.135
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8523310

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS= 3.126

VS= 2.627

GS= 3.392

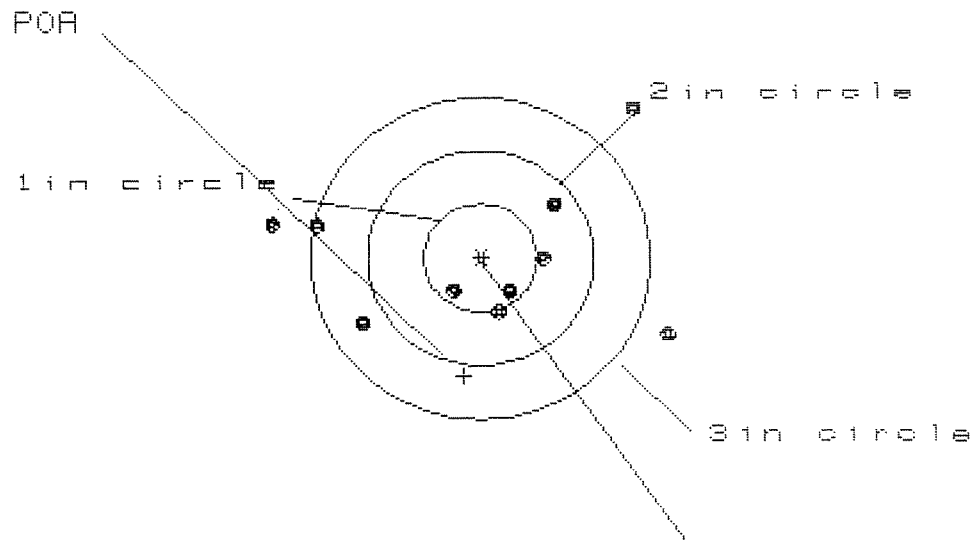
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.621	1.160	1.296
MINIMUM X	:	-1.505	-1.325	-1.189
MAXIMUM Y	:	1.427	1.534	1.308
MINIMUM Y	:	-1.200	-1.093	-.901
CENTROID X	:	-.590	-.770	-.906
CENTROID Y	:	.913	.806	.614
POA TO CENTROID in.	:	1.087	1.115	1.095
MIN RADIUS	:	.397	.446	.443
MEAN RADIUS	:	1.201	1.102	.974
MAX RADIUS	:	1.886	1.881	1.345
HORIZONTAL SPREAD	:	3.126	2.485	2.485
VERTICAL SPREAD	:	2.627	2.627	2.209
EXTREME SPREAD	:	3.392	3.242	2.512
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

1 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/08523310

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 3.537

VS= 2.075

GS= 3.694

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.664	1.818	1.603
MINIMUM X	:	-1.873	-1.719	-1.457
MAXIMUM Y	:	1.359	.607	.669
MINIMUM Y	:	-.716	-.565	-.503
CENTROID X	:	.146	-.008	.207
CENTROID Y	:	1.098	.947	.885
POA TO CENTROID in.	:	1.108	.947	.909
MIN RADIUS	:	.374	.216	.180
MEAN RADIUS	:	1.097	.981	.831
MAX RADIUS	:	1.938	1.904	1.680
HORIZONTAL SPREAD	:	3.537	3.537	3.060
VERTICAL SPREAD	:	2.075	1.172	1.172
EXTREME SPREAD	:	3.694	3.694	3.232
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523310
15 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.176638
1 TO	2	.35958
1 TO	3	.227706
1 TO	4	.179747
1 TO	5	.307104

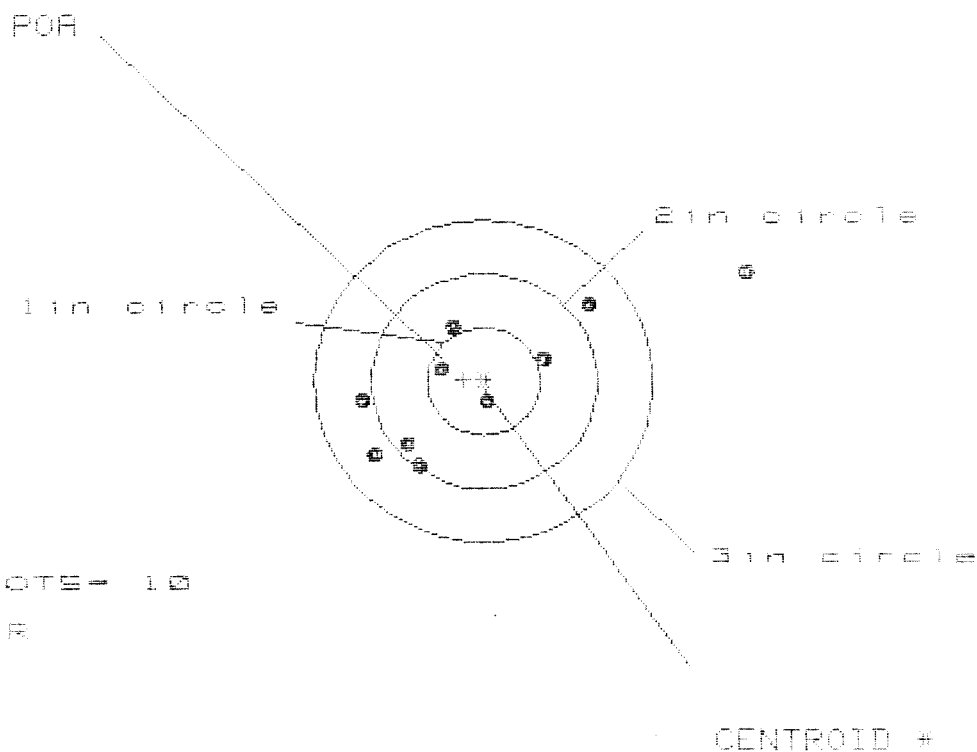
31 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0302
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0352
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0463797
THE AMR FOR THIS RIFLE IS: 1.11

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6523310

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 3.397

VS= 1.844

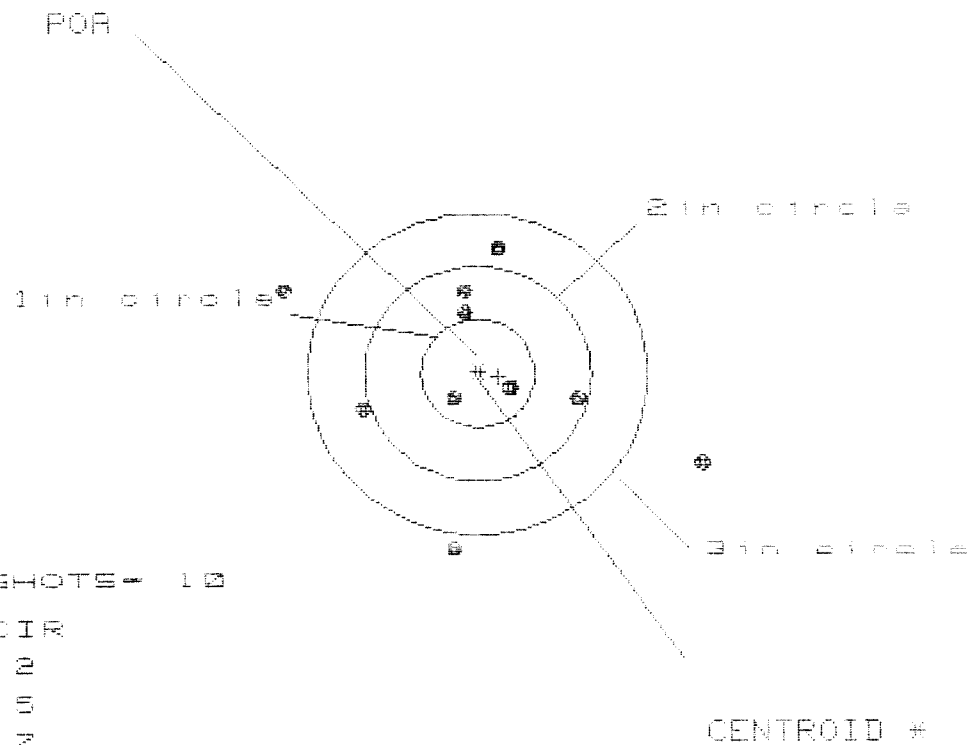
GS= 3.748

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.353	1.206	1.117
MINIMUM X	-1.044	-1.782	-1.871
MAXIMUM Y	1.025	.787	.713
MINIMUM Y	-.819	-.705	-.779
CENTROID X	.176	-.086	.003
CENTROID Y	-.015	-.129	-.055
POA TO CENTROID in.	.177	.155	.055
MIN RADIUS	.232	.240	.264
MEAN RADIUS	.965	.733	.709
MAX RADIUS	2.567	1.440	1.325
HORIZONTAL SPREAD	3.397	1.988	1.988
VERTICAL SPREAD	1.844	1.492	1.492
EXTREME SPREAD	3.748	2.361	2.179
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08523310

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 3.630

VS= 2.758

GS= 3.950

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.941	1.137	.953
MINIMUM X	-1.689	-1.473	-.993
MAXIMUM Y	1.142	1.053	1.137
MINIMUM Y	-1.616	-1.705	-1.621
CENTROID X	-.181	-.397	-.213
CENTROID Y	.028	.117	.033
POA TO CENTROID in.	.183	.414	.216
MIN RADIUS	.324	.327	.307
MEAN RADIUS	1.082	.961	.858
MAX RADIUS	2.100	1.705	1.632
HORIZONTAL SPREAD	3.630	2.610	1.946
VERTICAL SPREAD	2.758	2.758	2.758
EXTREME SPREAD	3.950	2.790	2.790
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8529310

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 3

3 in = 8

HS = 4.164

VS = 3.021

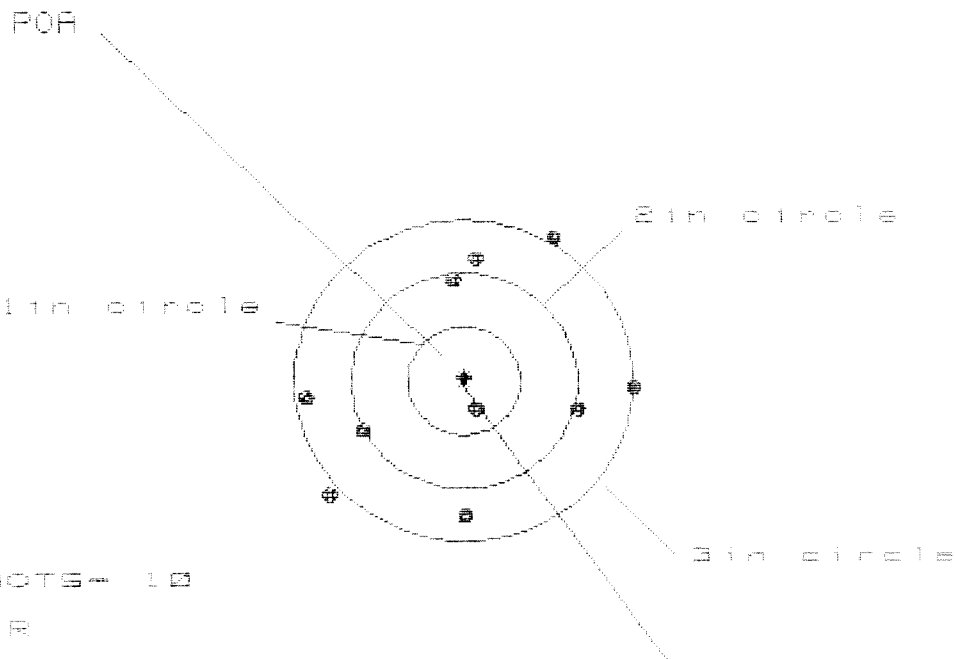
GS = 4.311

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.722	1.160	1.203
MINIMUM X	-1.442	-1.140	-1.097
MAXIMUM Y	1.575	1.485	1.288
MINIMUM Y	-1.446	-1.536	-1.351
CENTROID X	-.013	-.315	-.358
CENTROID Y	-.142	-.052	-.237
POA TO CENTROID in.	.142	.320	.400
MIN RADIUS	.185	.183	.162
MEAN RADIUS	1.304	1.074	1.023
MAX RADIUS	2.841	1.548	1.404
HORIZONTAL SPREAD	4.164	2.300	2.300
VERTICAL SPREAD	3.021	3.021	2.639
EXTREME SPREAD	4.311	3.029	2.704
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		8	

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08523310

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 2

3 in = 8

HS= 2.900

VS= 2.535

GS= 3.045

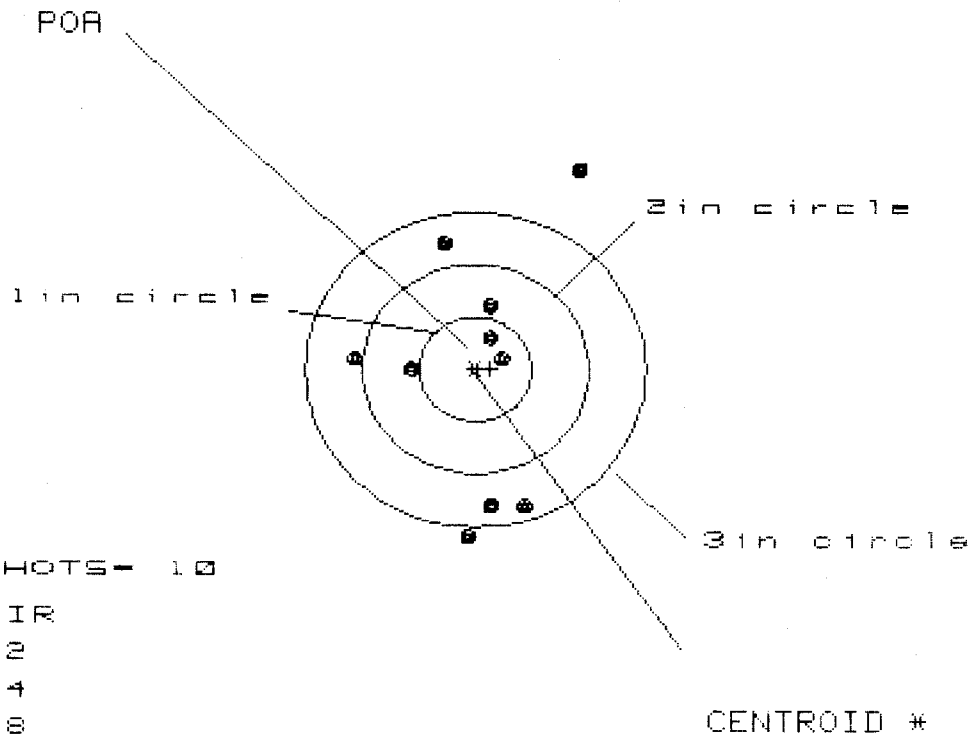
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.476	1.345	1.423
MINIMUM X	-1.424	-1.555	-1.477
MAXIMUM Y	1.318	1.203	1.181
MINIMUM Y	-1.217	-1.332	-1.182
CENTROID X	-.002	.129	.051
CENTROID Y	-.040	.075	-.075
POA TO CENTROID in.	.040	.149	.091
MIN RADIUS	.325	.421	.276
MEAN RADIUS	1.172	1.120	1.073
MAX RADIUS	1.568	1.574	1.480
HORIZONTAL SPREAD	2.900	2.900	2.900
VERTICAL SPREAD	2.535	2.535	2.363
EXTREME SPREAD	3.045	2.902	2.902
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	8		

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6523310

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 4

3 in = 8

HS= 1.963

VS= 3.457

GS= 3.601

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.922
MINIMUM X	-1.041
MAXIMUM Y	1.873
MINIMUM Y	-1.584
CENTROID X	-.131
CENTROID Y	-.007
POA TO CENTROID in.	.131
MIN RADIUS	.243
MEAN RADIUS	1.029
MAX RADIUS	2.088
HORIZONTAL SPREAD	1.963
VERTICAL SPREAD	3.457
EXTREME SPREAD	3.601
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	8

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523310

DATE 1-10-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.50	2.35	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.44	2.38	2.54	
PULL #3	2.45	2.47	2.40	2.43	
PULL #4	2.49	2.47	2.34	2.37	
PULL #5	2.47	2.41	2.39	2.36	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.35		
PULL #2	3.41	3.30		
PULL #3	3.36	3.14		
PULL #4	3.25	3.31		
PULL #5	3.28	3.28		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.29		4.13
PULL #2	4.47	4.45		4.46
PULL #3	4.37	4.32		4.49
PULL #4	4.38	4.26		4.48
PULL #5	4.48	4.36		4.25
TOTAL				
AVG.				

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523310

OP. #	OP. NAME	READINGS	DATE	INI
575 & 580	Assemble Action and Stock	10 9	90	RW
600	Proof	10 9	90	RW
607	Check Headspace	10 9	90	RW
610	Dis-assemble Gun	10 9	90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	YLS
617	Drill and Tap Sight Holes		10/18/90	WB
618	Polish Barrel <i>WB</i>		10/19/90	WB
620	Apply Coatings (Barrel Action)		11-5-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	RW
	C) Inspect Ejector Hole for Chamfer		12/12/90	RW
	D) Oil Firing Pin Ass'y		12/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-10-91	TH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.0	4.0	4.0			1/8/91	KJ
	G) Safety Off Force	2.25	2.25	2.25			1/8/91	KJ
	H) Trigger Pull Test & Retainability						1-9-91	JM
	I) Firing Pin Indent	.020	.020	.020			1/8/91	KJ
	J) Assemble Stock						1/4/91	RW
	K) Assemble Swivel Studs						1-15-91	JM
	L) Attach Front and Rear Sight Assemblies						1/14/91	RW
	M) Iron Sight Alignment						1/14/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/14/91	RW
	O) Attach Scope to Rifle						1/14/91	RW
	P) Detach & Attach Scope 20 Times						1/14/91	RW
640	Gallery Target & Test						1/14/91	KJ
	A) Time							KJ
	B) Malfunctions							KJ
	C) Pierced Primers							KJ
	D) Optical Clarity of Scope							KJ
645	Inspect for Live Ammo						1/14/91	KJ
655	Final Inspection							
	A) Headspace						1-15-91	JM
	B) Trigger Pull	2.55	2.54	2.43	2.37	2.36	1-15-91	JM
	C) Function						1-15-91	JM
660	Pack						3-19-91	NF

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

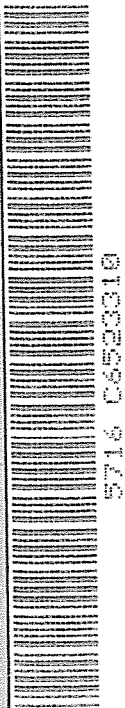
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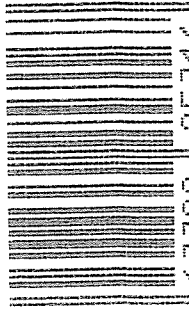
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