

C6611821

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00129621

Serial: C6611821 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/18/1991

Repairman:

Verify Repair

Status:

New 5/22/2007 11:38:35 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DODDAAC W81F64

DODDAAC W81F64

Address 1: CAMP ROBERTS MATES

CAMP ROBERTS MATES

Address 2: EAST GARRISON BLDG 25021

PO Box:

EAST GARRISON BLDG 25021

PO Box:

City: SAN MIGUEL

SAN MIGUEL

State: CA

Zip Code: 93451

Country: US

State: CA

Zip Code: 93451

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

5/23/2007

7:39 AM

CAPS

NUM

INS

SCRL



7:39 AM

Serial Number: C6611821

Model: M24 SWS



RE00129621

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611821.___0
FILE DATE AND TIME: 07/05/2007 15:03

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.050
The Average Y Centroid of the Five Target Set:	-0.086
The Average Point of Impact of the Five Target Set:	0.099
The Average Mean Radius of the Five Target Set:	0.782
The Distance from POA to Centroid Target #1:	0.161
The Distance from Centroid Target #2 to Centroid Target #1:	0.095
The Distance from Centroid Target #3 to Centroid Target #1:	0.268
The Distance from Centroid Target #4 to Centroid Target #1:	0.199
The Distance from Centroid Target #5 to Centroid Target #1:	0.142

SERIAL NUMBER: C6611821. __0

TARGET NUMBER: 1

FILE DATE: 07/05/2007

FILE TIME: 15:03

X CENTROID: -0.161

Y CENTROID: -0.001

POA TO CENTROID: 0.161

HORZ SPREAD: 1.545

VERT SPREAD: 2.261

GROUP SPREAD: 2.265

MIN RADIUS: 0.167

MAX RADIUS: 1.283

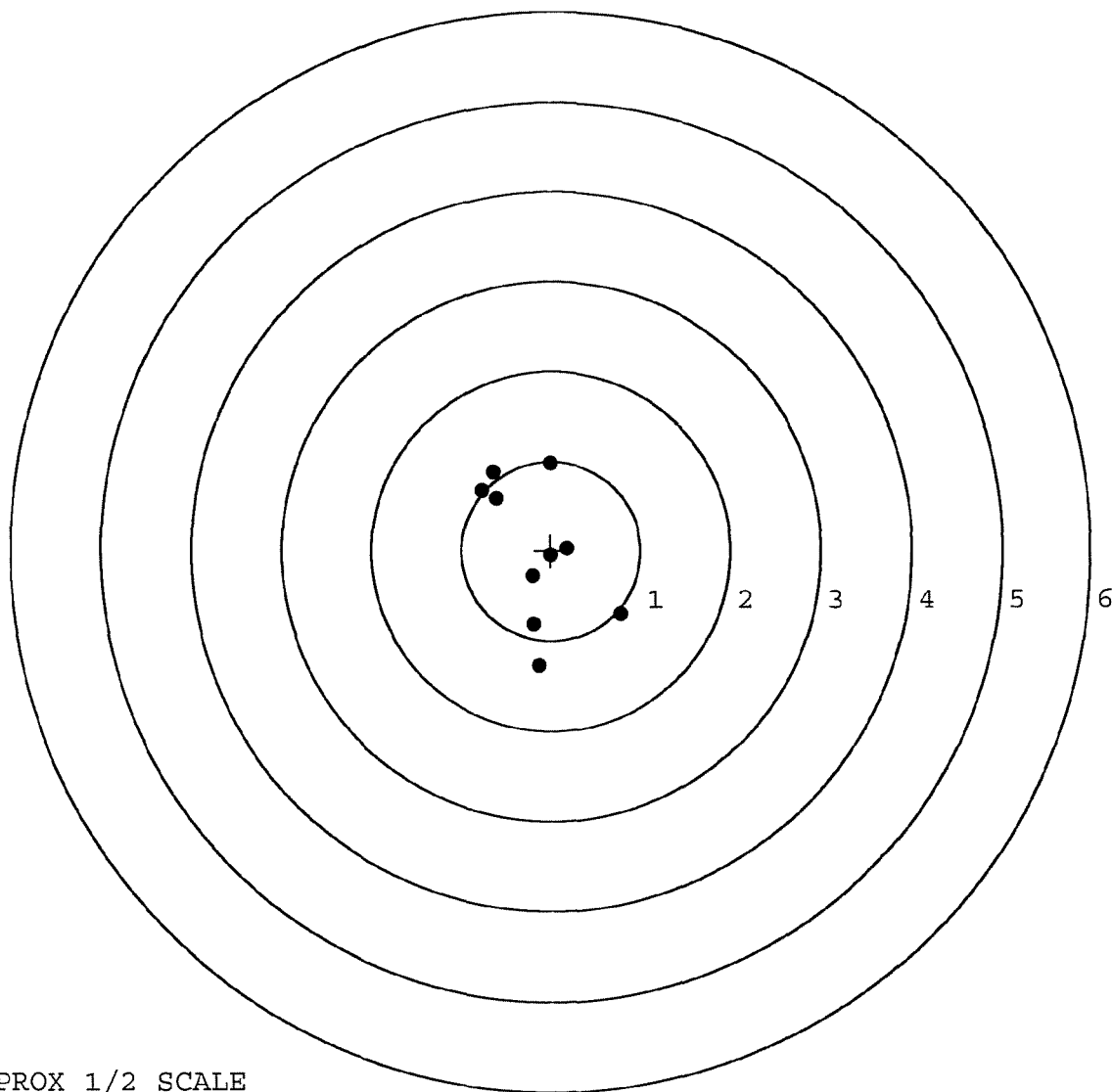
MEAN RADIUS: 0.773

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.776	-0.710
2:	-0.135	-1.283
3:	-0.200	-0.821
4:	-0.212	-0.288
5:	-0.004	-0.055
6:	0.183	0.025
7:	0.001	0.978
8:	-0.645	0.882
9:	-0.769	0.676
10:	-0.609	0.589



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611821. 0

TARGET NUMBER: 2

FILE DATE: 07/05/2007

FILE TIME: 15:03

X CENTROID: -0.079

Y CENTROID: -0.048

POA TO CENTROID: 0.093

HORZ SPREAD: 1.979

VERT SPREAD: 3.151

GROUP SPREAD: 3.152

MIN RADIUS: 0.387

MAX RADIUS: 1.673

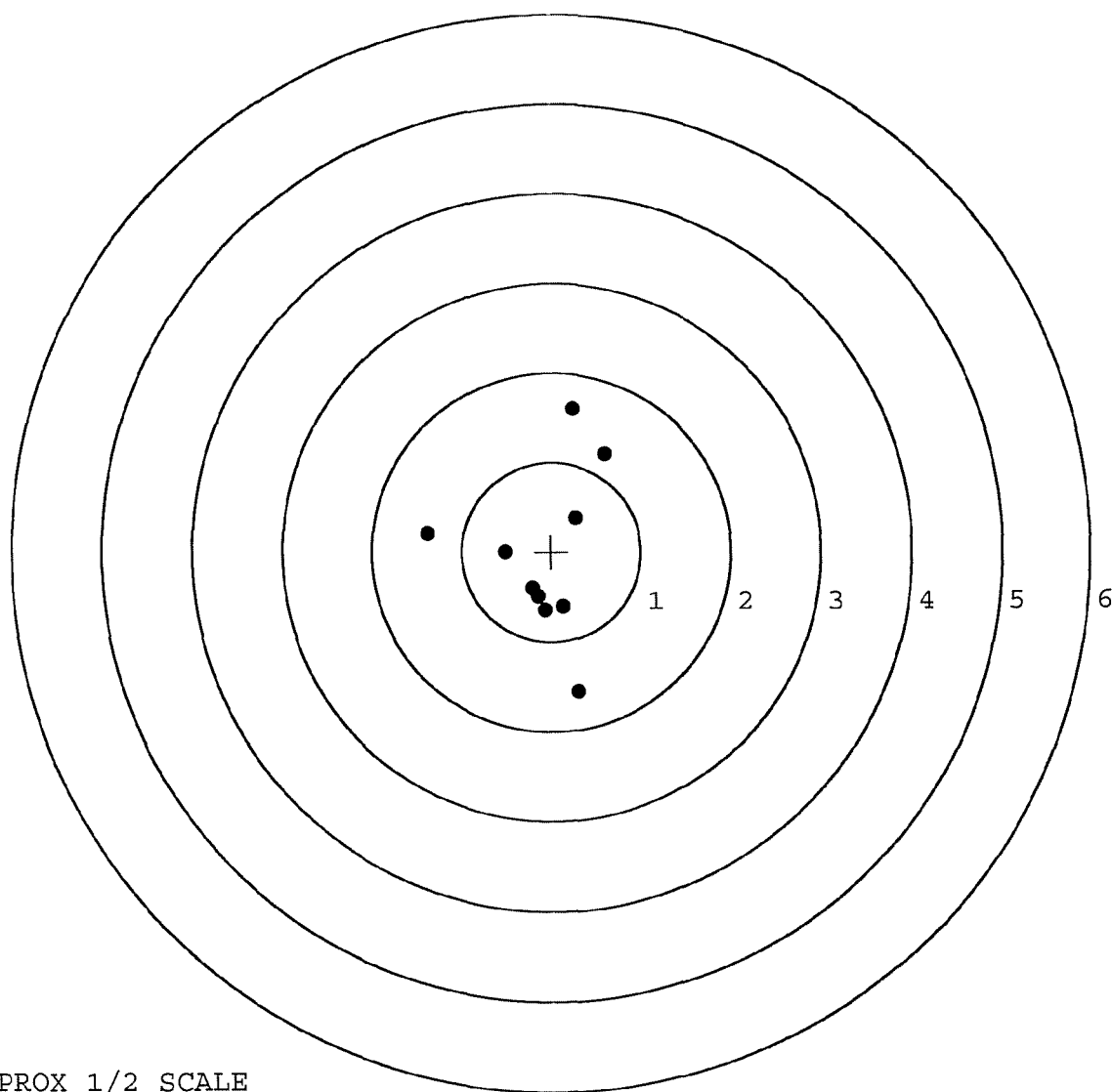
MEAN RADIUS: 0.893

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.306	-1.558
2:	0.132	-0.615
3:	-0.076	-0.656
4:	-0.220	-0.409
5:	-0.519	-0.003
6:	-1.379	0.202
7:	0.271	0.371
8:	0.600	1.092
9:	0.246	1.593
10:	-0.151	-0.500



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611821. 0

TARGET NUMBER: 3

FILE DATE: 07/05/2007

FILE TIME: 15:03

X CENTROID: 0.038

Y CENTROID: -0.179

POA TO CENTROID: 0.184

HORZ SPREAD: 1.443

VERT SPREAD: 3.436

GROUP SPREAD: 3.587

MIN RADIUS: 0.152

MAX RADIUS: 1.941

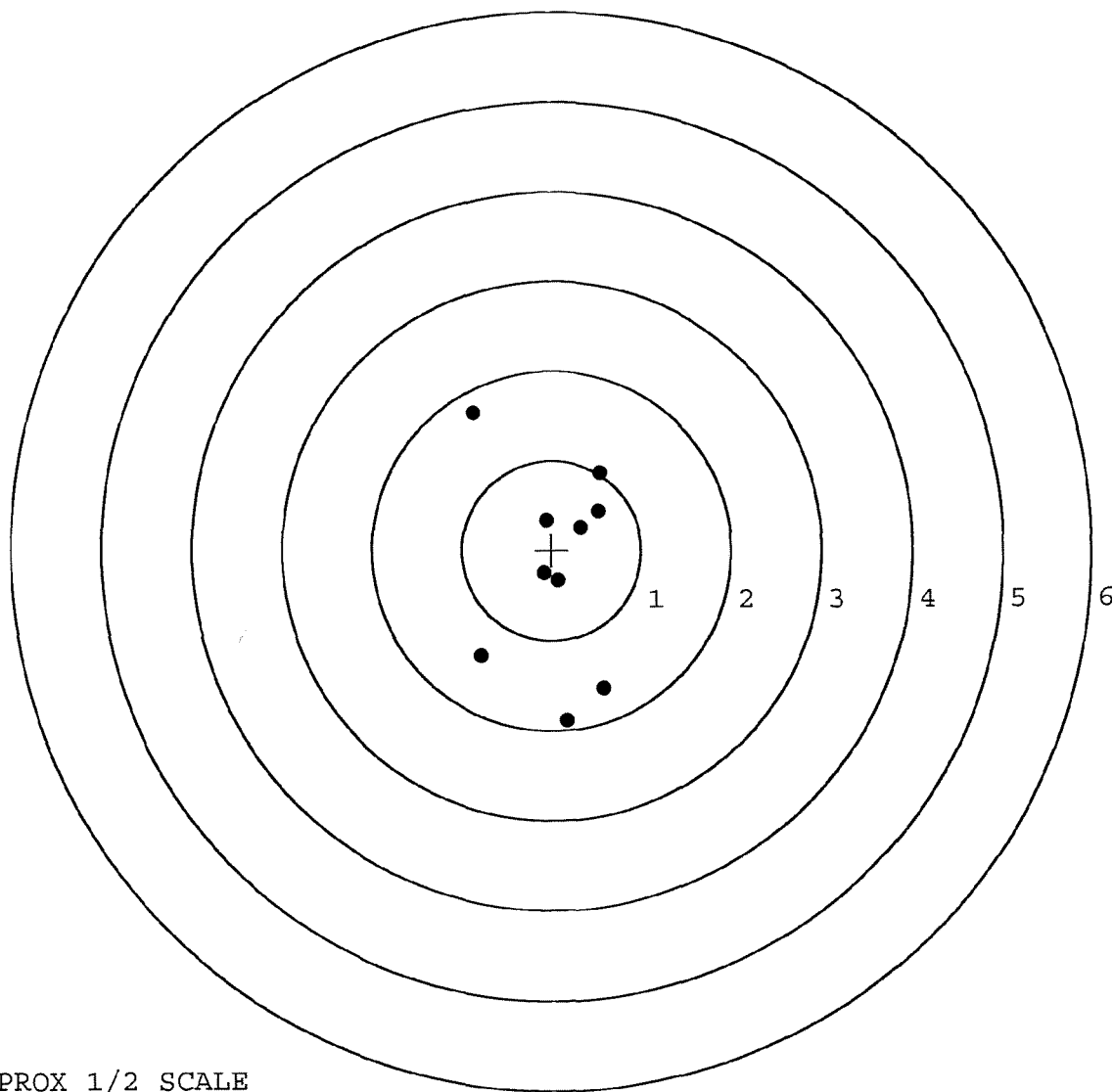
MEAN RADIUS: 0.973

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.574	-1.537
2:	0.162	-1.900
3:	-0.793	-1.173
4:	0.069	-0.346
5:	-0.087	-0.265
6:	0.521	0.437
7:	0.326	0.254
8:	-0.061	0.333
9:	0.541	0.866
10:	-0.869	1.536



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611821. __0

TARGET NUMBER: 4

FILE DATE: 07/05/2007

FILE TIME: 15:03

X CENTROID: -0.005

Y CENTROID: -0.123

POA TO CENTROID: 0.123

HORZ SPREAD: 1.602

VERT SPREAD: 2.343

GROUP SPREAD: 2.395

MIN RADIUS: 0.257

MAX RADIUS: 1.284

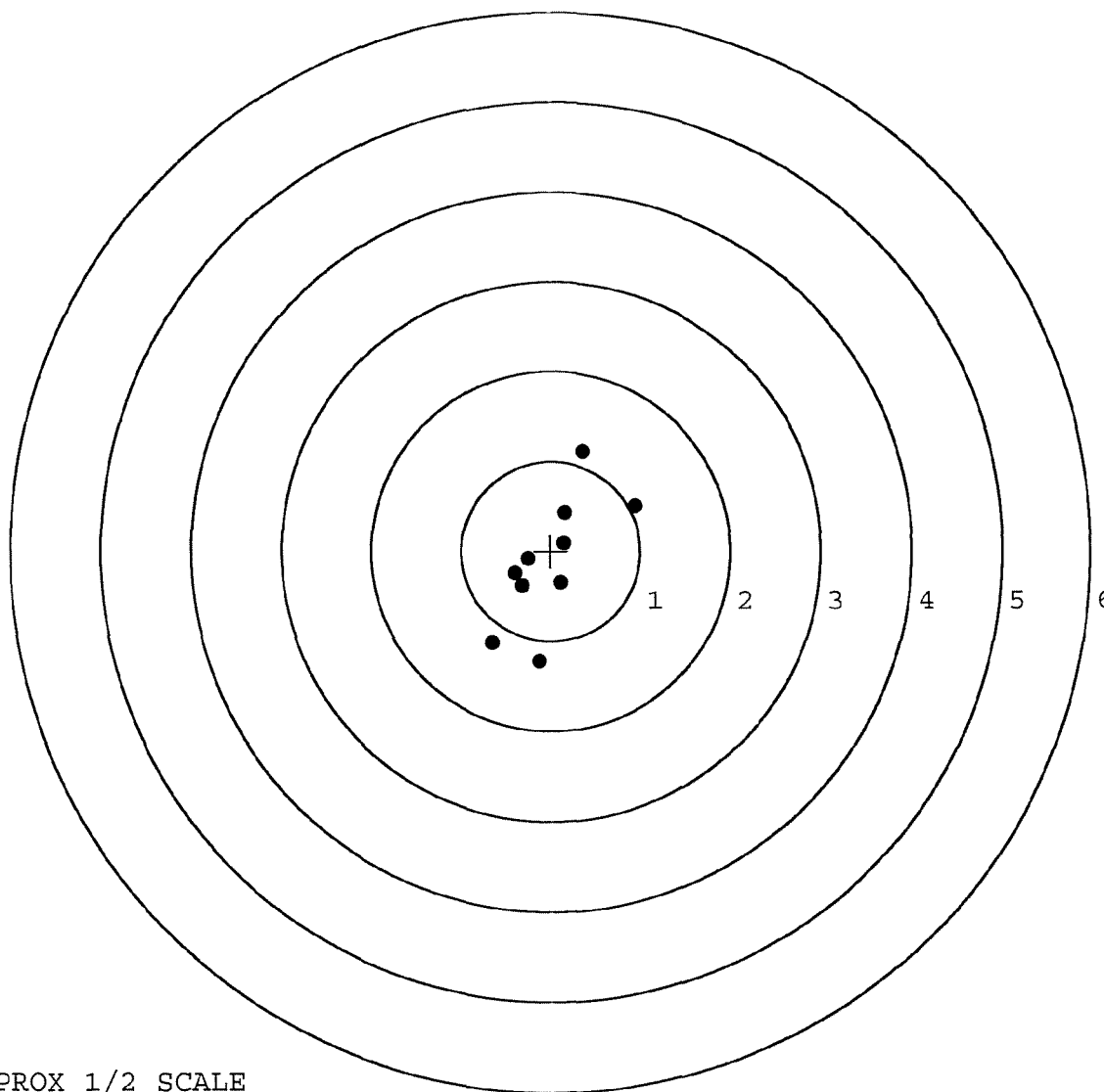
MEAN RADIUS: 0.685

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.945	0.502
2:	0.365	1.107
3:	0.159	0.432
4:	0.147	0.087
5:	0.110	-0.358
6:	-0.129	-1.236
7:	-0.657	-1.026
8:	-0.326	-0.391
9:	-0.402	-0.253
10:	-0.260	-0.093

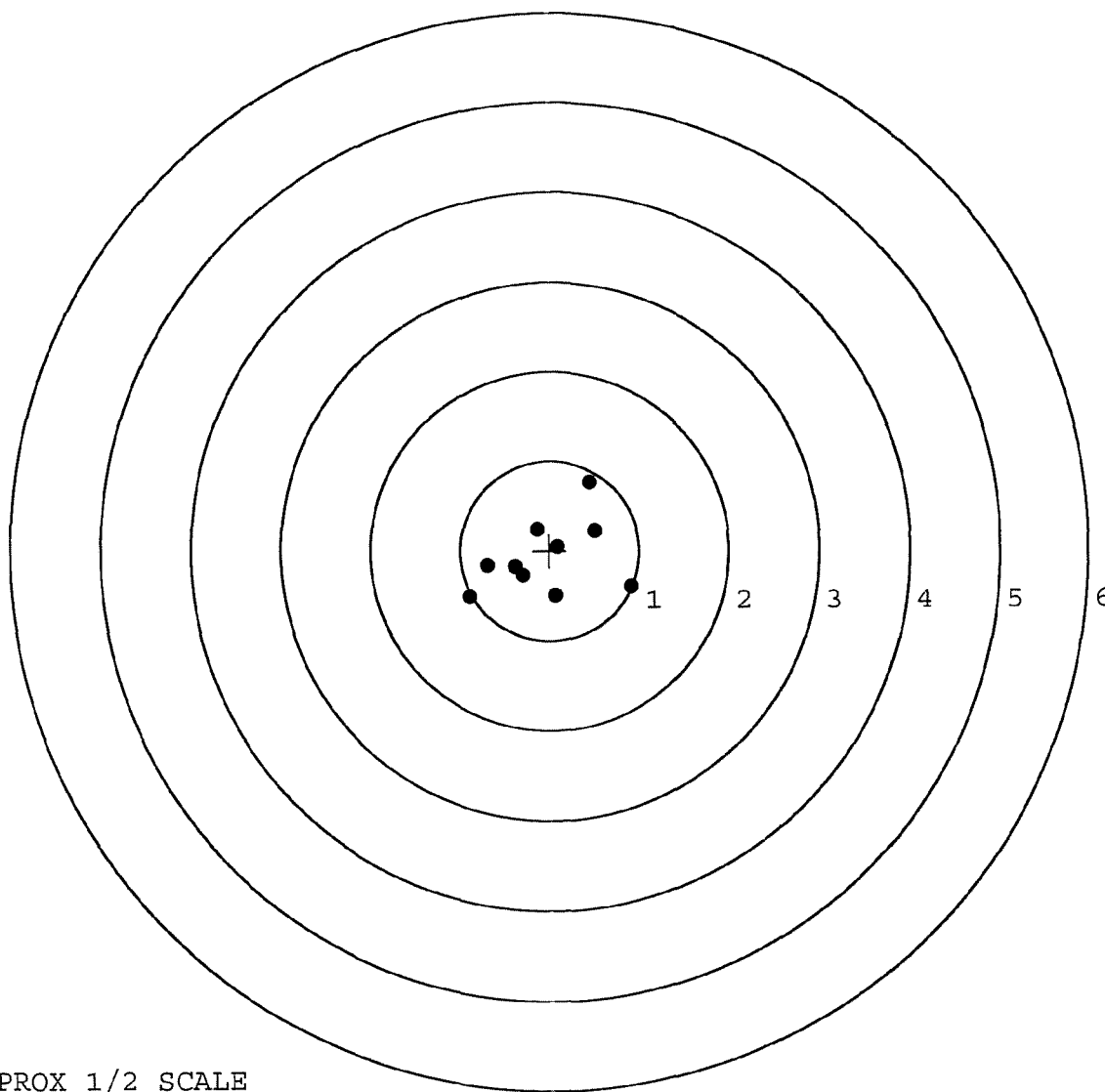


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611821. __0
 TARGET NUMBER: 5
 FILE DATE: 07/05/2007
 FILE TIME: 15:03

POINT#	X	Y
1:	0.911	-0.401
2:	0.061	-0.506
3:	-0.896	-0.509
4:	-0.694	-0.161
5:	-0.305	-0.278
6:	-0.392	-0.175
7:	-0.135	0.239
8:	0.087	0.040
9:	0.507	0.224
10:	0.448	0.763

X CENTROID: -0.041
 Y CENTROID: -0.076
 POA TO CENTROID: 0.087
 HORZ SPREAD: 1.807
 VERT SPREAD: 1.272
 GROUP SPREAD: 1.810
 MIN RADIUS: 0.173
 MAX RADIUS: 1.006
 MEAN RADIUS: 0.586
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	129621		
SERIAL NUMBER	C6611821		
LOG-IN DATE	5-22-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-19-07	RTZ
505	RE-BARREL	6-22-07	RTZ
560	ASSEMBLE	6-22-07	RTZ
600	PROOF	6-22-07	TRW
605	CHECK HEADSPACE	6-22-07	TRW
610	DIS-ASSEMBLE GUN	6-22-07	RTZ
612	MAGNAFLUX	6-25-07	WMS
510	DRILL AND TAP	6-22-07	SD
615	ROLLMARK CALIBER	6-26-07	CW
618	ROTO-BLAST	6-26-07	CB
620	APPLY COATINGS	6-28-07	CM
625	FINAL ASSEMBLY	7-3-07	PPD
640	FUNCTION TEST AND	(PASS) FAIL	7-5-07 TRW
650	TARGET	(PASS) FAIL	7-5-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	7-5-07 MAD
670	FINAL INSPECTION	7-6-07	DA
	A) HEADSPACE	PASS FAIL	7-6-07 DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.27 2.25 2.26 2.29 2.28 7-6-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.2 5.2 5.2 7-6-07 DA
	G) SAFETY OFF FORCE	2 LBS MIN	3.2 3.2 3.2 7-6-07 DA
	I) FIRING PIN INDENT	.020	.021 .021 .022 7-6-07 DA
690	PACK		7-10-07 DA

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18726

INITIAL CUSTOMER ORDER NO.

JJM DAAA09-92-C-0834

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

ATTN FRED MARTIN

Scope S/N 89-0504

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

06/14/94

06/15/94

C6611821

700 7.62

NATO

ACCESSORIES

HARD CASE

SCOPE MNTS

SCOPE BASE

SLING STRAP

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

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

✓ New Barrel, Trigger

Assy,

✓ Front + Rear Sight Assy

✓ Component Carrying Case Assy 96069

✓ Scope Case 96081

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 M2400036558

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611821

DATE 7-24-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.71	2.78	2.92		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.72	2.80	2.94		
PULL #3	2.70	2.79	2.98		
PULL #4	2.67	2.79	2.88		
PULL #5	2.76	2.80	2.85		
TOTAL	13.56	13.96	14.57		
AVG.	2.71	2.79	2.91		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.09	3.20		
PULL #2	3.05	3.39		
PULL #3	3.06	3.21		
PULL #4	3.07	3.21		
PULL #5	3.11	3.28		
TOTAL	15.38	16.29		
AVG.	3.07	3.25		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.04	4.19		4.35
PULL #2	4.03	4.00		4.32
PULL #3	4.13	4.01		4.37
PULL #4	4.07	4.01		4.38
PULL #5	4.08	4.04		4.36
TOTAL	20.35	20.25		21.78
AVG.	4.07	4.05		4.35

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			
	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. #	BARBER - M24 0036522 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			8/22/96	RW
	G) Safety Off Force	3	4	4			8/22/96	RW
	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	2.40	2.40	2.24	2.37	2.30	8/23/96	RW
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611821
8 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	.0736614
1 TO	2	.236231
1 TO	3	.370473
1 TO	4	.0690507
1 TO	5	.0658559

-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: 1.013
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.013
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0681563

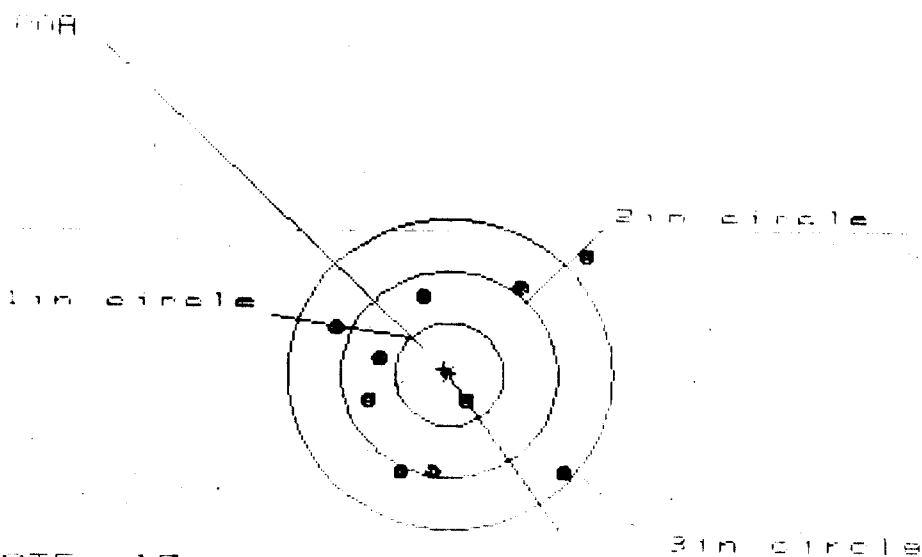
THE AMR FOR THIS RIFLE IS: 1.013

5 Jan 1968

FILE: PATTERNING/CENTERFIRE_PATT-06E11921

CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIR

1in - 1

2in - 5

3in - 9

HS - 2.299

VS - 2.131

ES - 2.727

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID IN.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

10

1.293

-1.006

1.141

-.990

.049

-.055

.073

.278

.972

1.724

2.299

2.131

2.727

=

=

=

4

1.006

-.717

.867

-.965

-.240

-.080

.253

.362

.767

1.254

1.623

1.832

2.447

=

=

=

9

1.306

.717

.867

.965

.240

.080

.253

.362

.767

1.254

1.623

1.832

2.099

=

=

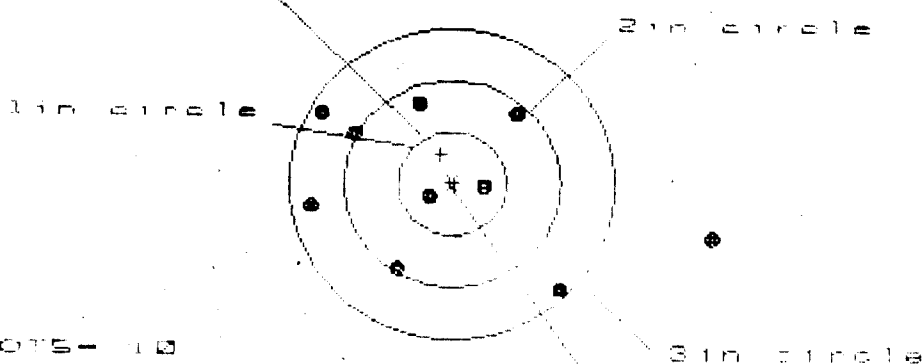
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8 Jan 1900

FILE: PATTERNING/CENTERFIRE_PATT/06611821

CENTERFIRE PATTERNS # 2

POA



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 6

3 in - 9

MS - 3.289

VS - 1.862

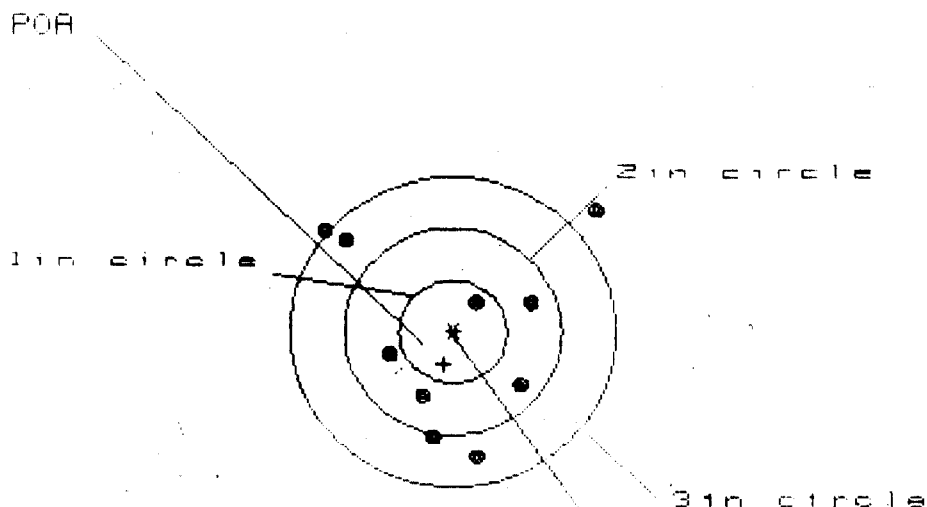
GS - 3.878

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.433	1.330	1.011
MINIMUM X	-1.296	-1.025	-0.863
MAXIMUM Y	.828	.770	.633
MINIMUM Y	-1.034	-1.092	-1.016
CENTROID X	.107	-.164	-.326
CENTROID Y	-.284	-.226	-.089
POA TO CENTROID in.	.303	.279	.338
MIN RADIUS	.219	.240	.444
MEAN RADIUS	1.101	.918	.809
MAX RADIUS	2.488	1.699	1.139
HORIZONTAL SPREAD	3.729	2.327	1.874
VERTICAL SPREAD	1.862	1.862	1.649
EXTREME SPREAD	3.878	2.867	2.074
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

8 Jan 1988

FILE: PATTERNING/CENTERFIRE_PATT/06611821

CENTERFIRE PATTERNS # 3



* OF SHOTS - 10

IN CIR

1 in - 1

2 in - 5

3 in - 0

MEAN - 0.542

MODE - 2.403

MODE - 2.693

PATTERN #

SHOTS (BEST OF)

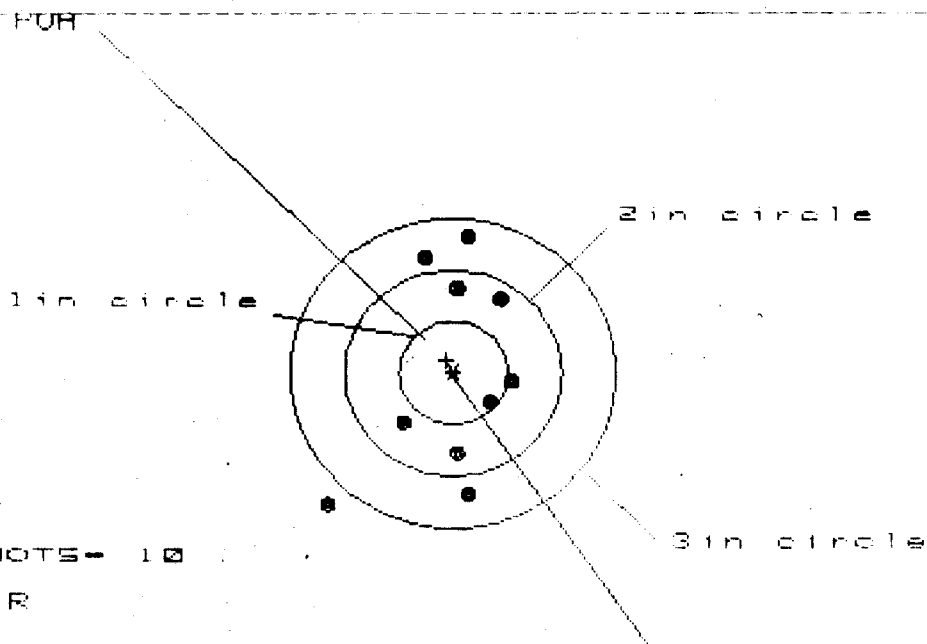
	10	9	8
MAXIMUM X	1.359	.904	.775
MINIMUM X	-1.183	-1.032	-.962
MAXIMUM Y	1.187	1.162	1.186
MINIMUM Y	-1.216	-1.084	-.938
CENTROID X	.082	-.069	.060
CENTROID Y	.314	.182	.036
POA TO CENTROID in.	.324	.194	.070
MIN RADIUS	.352	.420	.471
MEAN RADIUS	1.030	.925	.817
MAX RADIUS	1.805	1.555	1.527
HORIZONTAL SPREAD	2.542	1.936	1.737
VERTICAL SPREAD	2.403	2.246	2.124
EXTREME SPREAD	2.693	2.659	2.452
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

8 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6611821

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in - 1

2in - 6

3in - 3

HS- 1.717

VS- 2.559

GS- 2.884

CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.571	.443	.450
MINIMUM X	:	-1.146	-.557	-.550
MAXIMUM Y	:	1.312	1.174	1.156
MINIMUM Y	:	-1.247	-1.301	-1.155
CENTROID X	:	.061	.189	.182
CENTROID Y	:	-.123	.015	-.131
POA TO CENTROID in.	:	.138	.189	.224
MIN RADIUS	:	.411	.424	.312
MEAN RADIUS	:	.941	.836	.778
MAX RADIUS	:	1.694	1.302	1.214
HORIZONTAL SPREAD	:	1.717	1.000	1.000
VERTICAL SPREAD	:	2.559	2.475	2.311
EXTREME SPREAD	:	2.884	2.475	2.344
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6611821

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

CENTROID *

HS= 1.961

VS= 3.106

GS= 3.297

PATTERN #

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.970	1.042	.993
MINIMUM X	-.991	-.919	-.968
MAXIMUM Y	1.560	1.619	1.447
MINIMUM Y	-1.546	-1.373	-1.063
CENTROID X	.005	-.067	-.018
CENTROID Y	-.006	-.179	-.007
POA TO CENTROID in.	.007	.191	.019
MIN RADIUS	.157	.343	.164
MEAN RADIUS	1.020	.958	.865
MAX RADIUS	1.687	1.621	1.448
HORIZONTAL SPREAD	1.961	1.961	1.961
VERTICAL SPREAD	3.106	2.992	2.510
EXTREME SPREAD	3.297	3.029	2.510
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

Remington[®]

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

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

MODEL 700TM M24

SERIAL NO.
C6611821

ORDER NO.
5716

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

20



5716 C6611821



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611821

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/24/91	KS
600	Proof		1/24/91	KS
607	Check Headspace		1/24/91	KS
610	Dis-assemble Gun		1/24/91	KS
612	Magnaflux Barrel Action		1/29/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	LS.
617	Drill and Tap Sight Holes	2 2 91		FB
618	Polish Barrel <i>ABB</i>	2 2 91		WB
620	Apply Coatings (Barrel Action)		2-11-91	FB
	Apply Coating (Bolt)			FB
625	Final Assembly A) Clean inside of Bolt Assembly		2/18/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	KA
	C) Inspect Ejector Hole for Chamfer		2/18/91	KA
	D) Oil Firing Pin Ass'y		2/18/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/20/91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4/2	4/2	4/2			2/20/91	WB
	G) Safety Off Force	3	3	3			2/20/91	WB
	H) Trigger Pull Test & Retainability						2/20/91	W
	I) Firing Pin Indent	10205	10205	10205			2/20/91	WB
	J) Assemble Stock						2/21/91	Kef
	K) Assemble Swivel Studs						3/21/91	WB
	L) Attach Front and Rear Sight Assemblies						2/21/91	Kef
	M) Iron Sight Alignment						2/21/91	RS
	N) Detach Front & Rear Sights & place in numbered container						2/21/91	Kef
	O) Attach Scope to Rifle						2/21/91	Kef
	P) Detach & Attach Scope 20 Times						2/21/91	Kef
640	Gallery Target & Test						2-25-91	AF
	A) Time						"	AF
	B) Malfunctions	ROUGH CHAMBER - REPAIRED					"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						2-25-91	AF
655	Final Inspection							
	A) Headspace						3/2/91	WB
	B) Trigger Pull	2.48	2.40	2.44	2.45	2.42	2/26/91	W
	C) Function						3/2/91	WB
660	Pack						3/24/91	WB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C 6611821DATE 2/20/91TESTER JP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.51	2.42	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.43	2.40	2.40	
PULL #3	2.39	2.45	2.49	2.44	
PULL #4	2.39	2.49	2.49	2.45	
PULL #5	2.42	2.51	2.50	2.42	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.31		
PULL #2	3.49	3.30		
PULL #3	3.36	3.27		
PULL #4	3.29	3.19		
PULL #5	3.32	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.44		4.50
PULL #2	4.19	4.50		4.51
PULL #3	4.30	4.49		4.51
PULL #4	4.36	4.36		4.49
PULL #5	4.36	4.50		4.53
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611821
26 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.0735527
1 TO	2	.189579
1 TO	3	.14904
1 TO	4	.0822253
1 TO	5	.193838

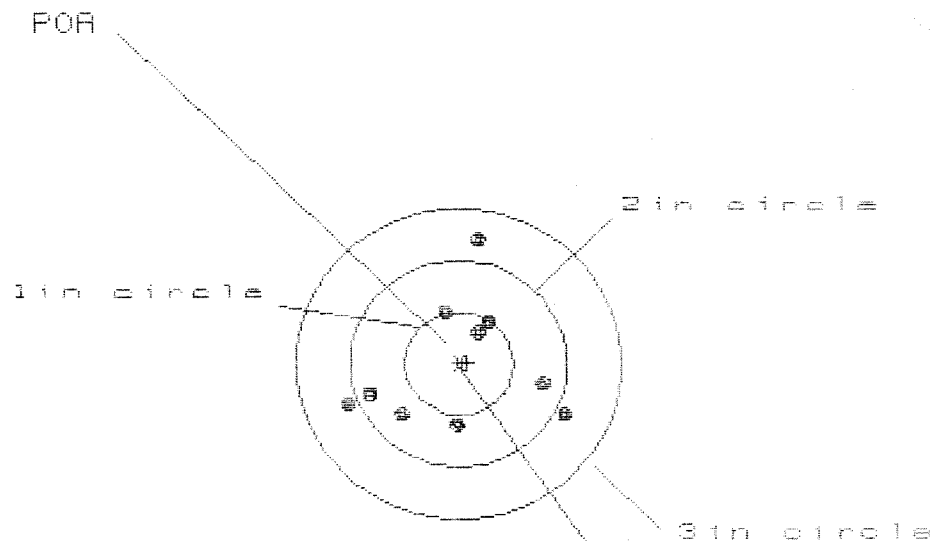
* (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .021
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0218
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0302695
THE AMR FOR THIS RIFLE IS: .9318

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811021

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 1.999

VS = 1.889

GS = 2.061

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.018	1.041	.922
MINIMUM X	-.981	-.958	-.827
MAXIMUM Y	1.248	.601	.558
MINIMUM Y	-.641	-.502	-.545
CENTROID X	-.073	-.096	-.227
CENTROID Y	-.009	-.147	-.104
POA TO CENTROID in.	.073	.176	.249
MIN RADIUS	.315	.453	.476
MEAN RADIUS	.771	.717	.658
MAX RADIUS	1.267	1.098	.923
HORIZONTAL SPREAD	1.999	1.999	1.749
VERTICAL SPREAD	1.889	1.103	1.103
EXTREME SPREAD	2.061	2.000	1.772
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611021

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in - 3

2in - 8

3in = 8

HS= 1.607

VS= 3.122

GS= 3.301

CENTROID #

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	.890
MINIMUM X	-.717
MAXIMUM Y	1.333
MINIMUM Y	-1.789
CENTROID X	.096
CENTROID Y	.005
POA TO CENTROID in.	.096
MIN RADIUS	.224
MEAN RADIUS	.794
MAX RADIUS	1.824
HORIZONTAL SPREAD	1.607
VERTICAL SPREAD	3.122
EXTREME SPREAD	3.301
NUMBER IN ONE INCH CIRCLE	3
NUMBER IN TWO INCH CIRCLE	8
NUMBER IN THREE INCH CIRCLE	8

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11821

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 0

2in = 7

3in = 9

HS = 1.527

VS = 2.812

GS = 2.929

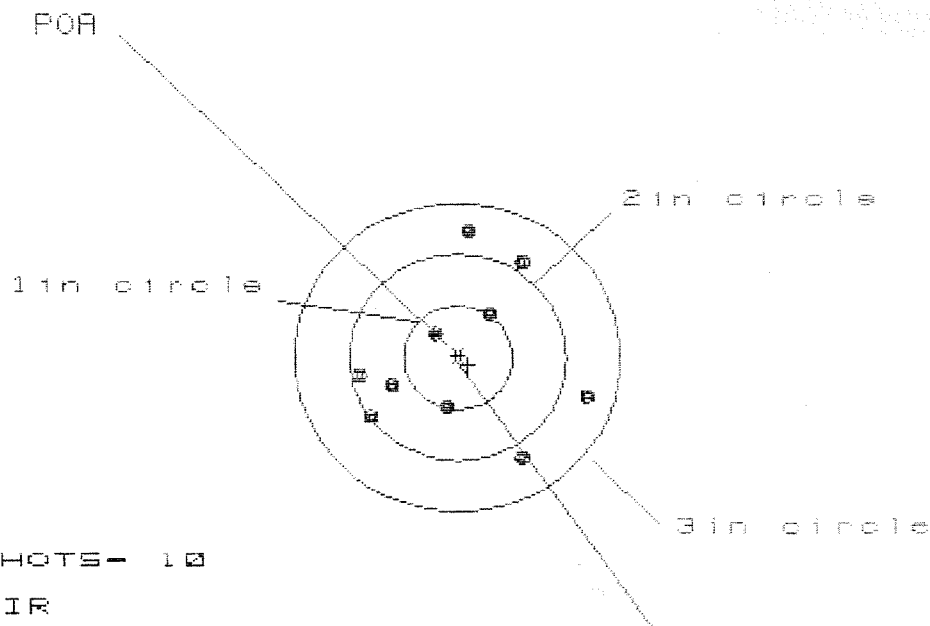
CENTROID #

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.617	.607	.592
MINIMUM X	:	-.910	-.841	-.856
MAXIMUM Y	:	1.344	1.181	.979
MINIMUM Y	:	-1.468	-1.621	-1.016
CENTROID X	:	.054	-.015	0.000
CENTROID Y	:	.069	.232	.434
POA TO CENTROID in.	:	.087	.232	.434
MIN RADIUS	:	.580	.464	.264
MEAN RADIUS	:	1.008	.916	.778
MAX RADIUS	:	1.592	1.625	1.144
HORIZONTAL SPREAD	:	1.527	1.448	1.448
VERTICAL SPREAD	:	2.812	2.802	1.995
EXTREME SPREAD	:	2.929	2.802	2.105
NUMBER IN ONE INCH CIRCLE	=		8	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/CGB11821

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 2.031

VS = 2.287

GS = 2.357

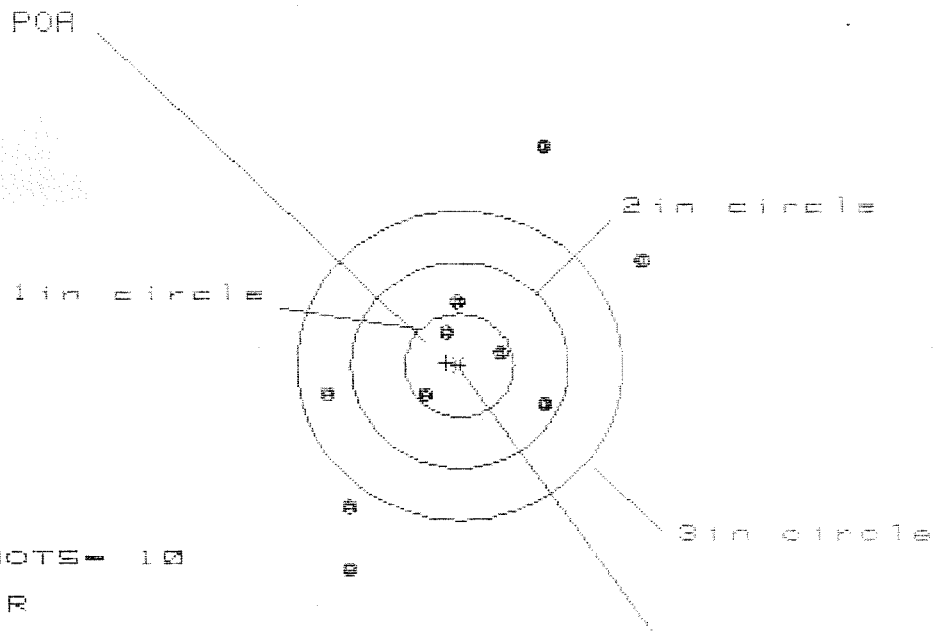
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.166	1.172	.783
MINIMUM X	-.865	-.859	-.712
MAXIMUM Y	1.274	1.055	1.030
MINIMUM Y	-1.013	-.871	-.896
CENTROID X	-.092	-.098	-.245
CENTROID Y	.071	-.071	-.046
POA TO CENTROID in.	.116	.121	.249
MIN RADIUS	.306	.351	.346
MEAN RADIUS	.871	.820	.744
MAX RADIUS	1.275	1.205	1.262
HORIZONTAL SPREAD	2.031	2.031	1.495
VERTICAL SPREAD	2.287	1.926	1.926
EXTREME SPREAD	2.357	2.087	2.087
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

25 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611821

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 6

HS = 3.879

VS = 4.113

GS = 4.492

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.699
MINIMUM X	-1.180
MAXIMUM Y	2.160
MINIMUM Y	-1.953
CENTROID X	.120
CENTROID Y	-.027
POA TO CENTROID in.	.123
MIN RADIUS	.367
MEAN RADIUS	1.215
MAX RADIUS	2.303
HORIZONTAL SPREAD	2.879
VERTICAL SPREAD	4.113
EXTREME SPREAD	4.492
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	6