

C6594521

MODEL 700™ M24

Model **SMS**™

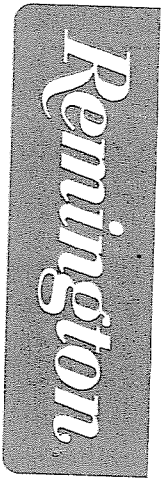
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00129624**

Serial: C6594521 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/18/1991

Repairman:

Status:

New 5/22/2007 11:42:49 AM

Verify Repair

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

start

3 Mi...

Arms ...

Part ...

6 In...

3 Mi...

Stock...

7:39 AM

Serial Number: **C6594521**
Model: **M24 SWS**

RE00129624

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ~~0648990~~18573

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594521.___0
FILE DATE AND TIME: 07/09/2007 14:56

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

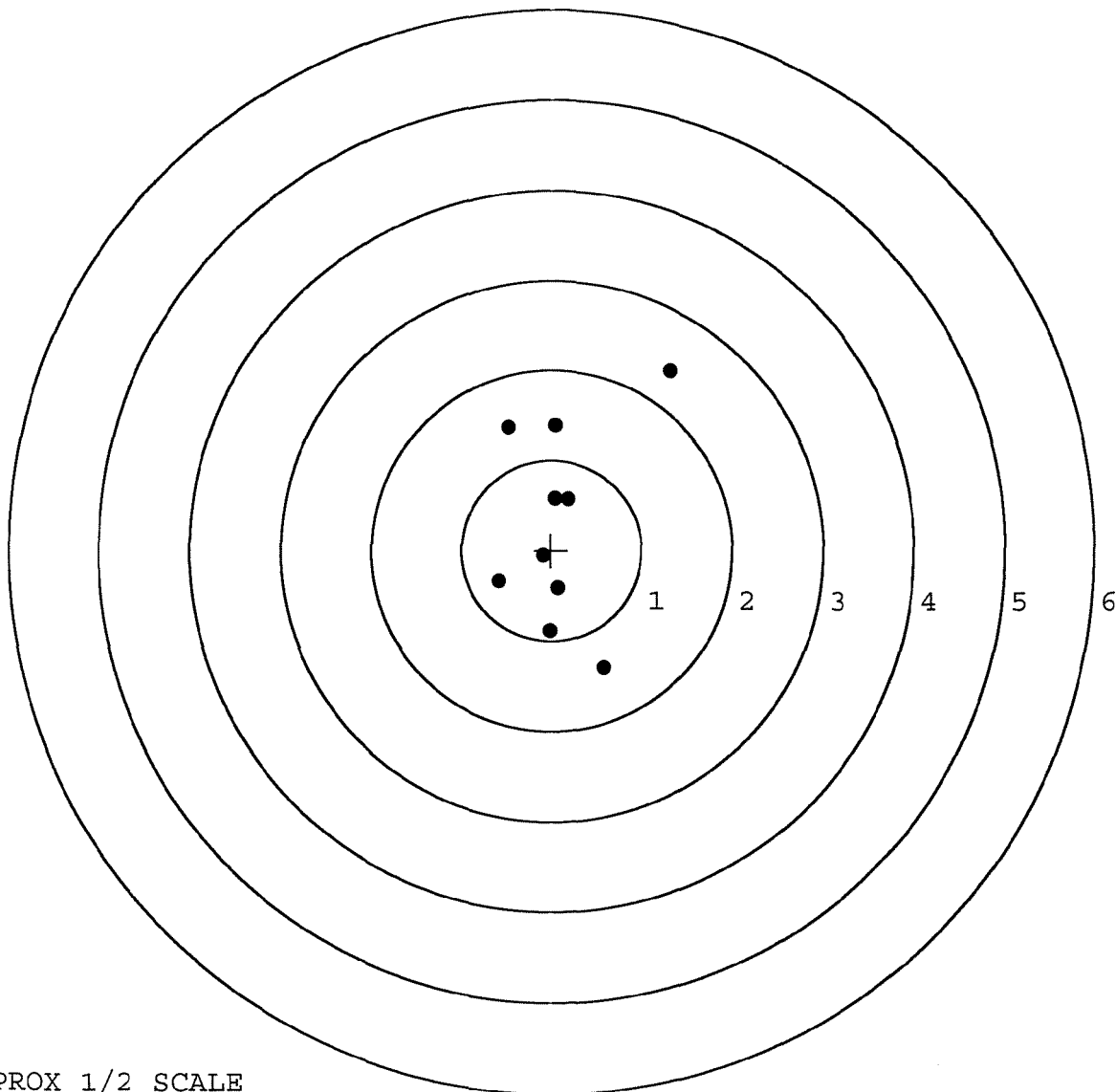
The Average X Centroid of the Five Target Set:	-0.010
The Average Y Centroid of the Five Target Set:	0.046
The Average Point of Impact of the Five Target Set:	0.047
The Average Mean Radius of the Five Target Set:	0.670
The Distance from POA to Centroid Target #1:	0.306
The Distance from Centroid Target #2 to Centroid Target #1:	0.234
The Distance from Centroid Target #3 to Centroid Target #1:	0.328
The Distance from Centroid Target #4 to Centroid Target #1:	0.387
The Distance from Centroid Target #5 to Centroid Target #1:	0.407

BARBER - M24 0018536

SERIAL NUMBER: C6594521. __0
TARGET NUMBER: 1
FILE DATE: 07/09/2007
FILE TIME: 14:56

POINT#	X	Y
1:	0.590	-1.306
2:	-0.016	-0.894
3:	0.079	-0.425
4:	-0.584	-0.343
5:	-0.089	-0.062
6:	0.043	0.574
7:	0.193	0.570
8:	-0.482	1.365
9:	0.043	1.386
10:	1.320	1.987

X CENTROID: 0.110
Y CENTROID: 0.285
POA TO CENTROID: 0.306
HORZ SPREAD: 1.904
VERT SPREAD: 3.293
GROUP SPREAD: 3.373
MIN RADIUS: 0.296
MAX RADIUS: 2.088
MEAN RADIUS: 0.991
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8



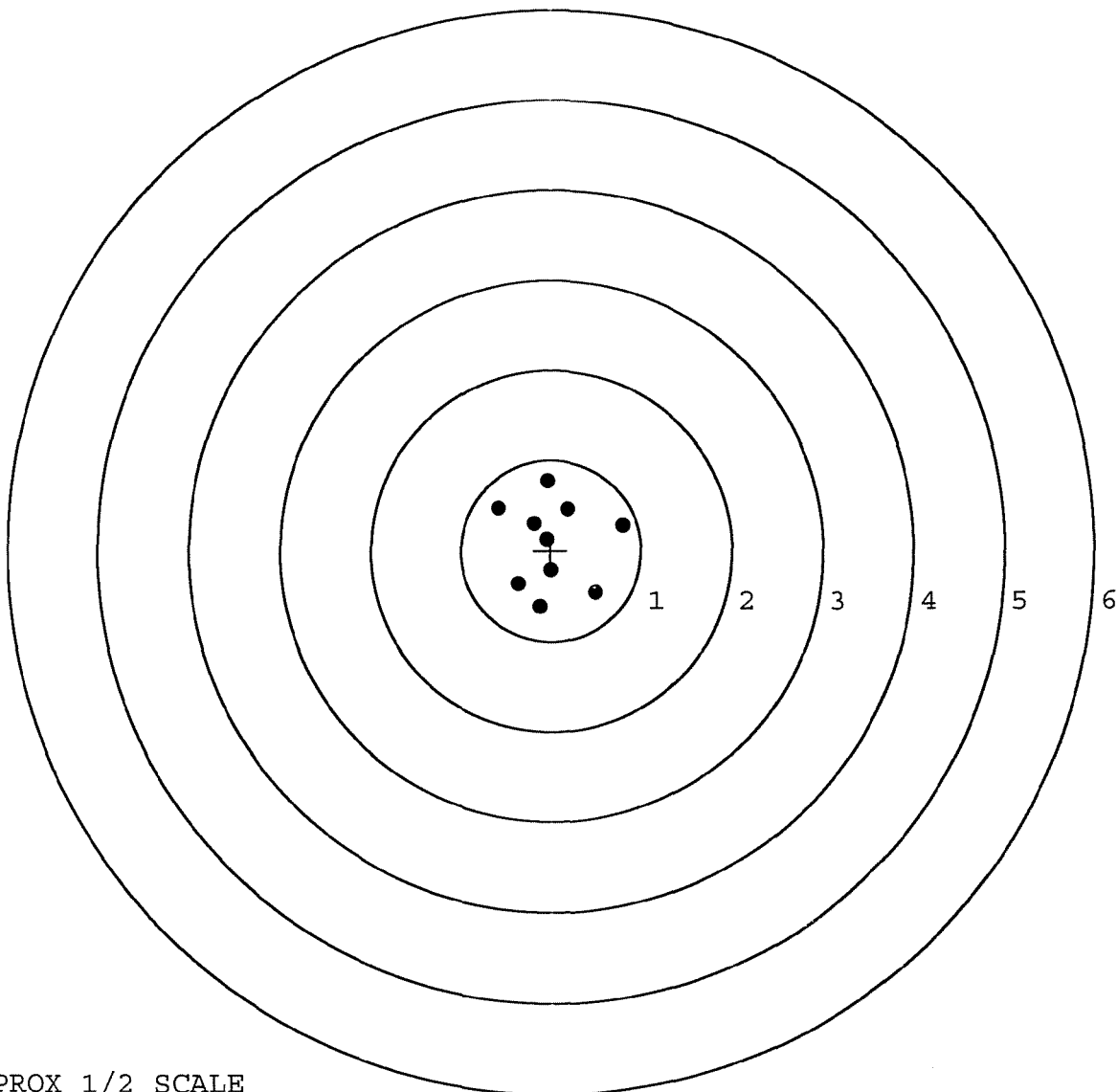
TARGET APPROX 1/2 SCALE

BARBER - M24 0018537

SERIAL NUMBER: C6594521. __0
TARGET NUMBER: 2
FILE DATE: 07/09/2007
FILE TIME: 14:56

X CENTROID: 0.014
Y CENTROID: 0.072
POA TO CENTROID: 0.073
HORZ SPREAD: 1.379
VERT SPREAD: 1.388
GROUP SPREAD: 1.392
MIN RADIUS: 0.078
MAX RADIUS: 0.807
MEAN RADIUS: 0.532
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.497	-0.464
2:	0.795	0.278
3:	0.190	0.457
4:	-0.039	0.767
5:	-0.189	0.297
6:	-0.045	0.122
7:	0.003	-0.218
8:	-0.584	0.467
9:	-0.362	-0.368
10:	-0.122	-0.621



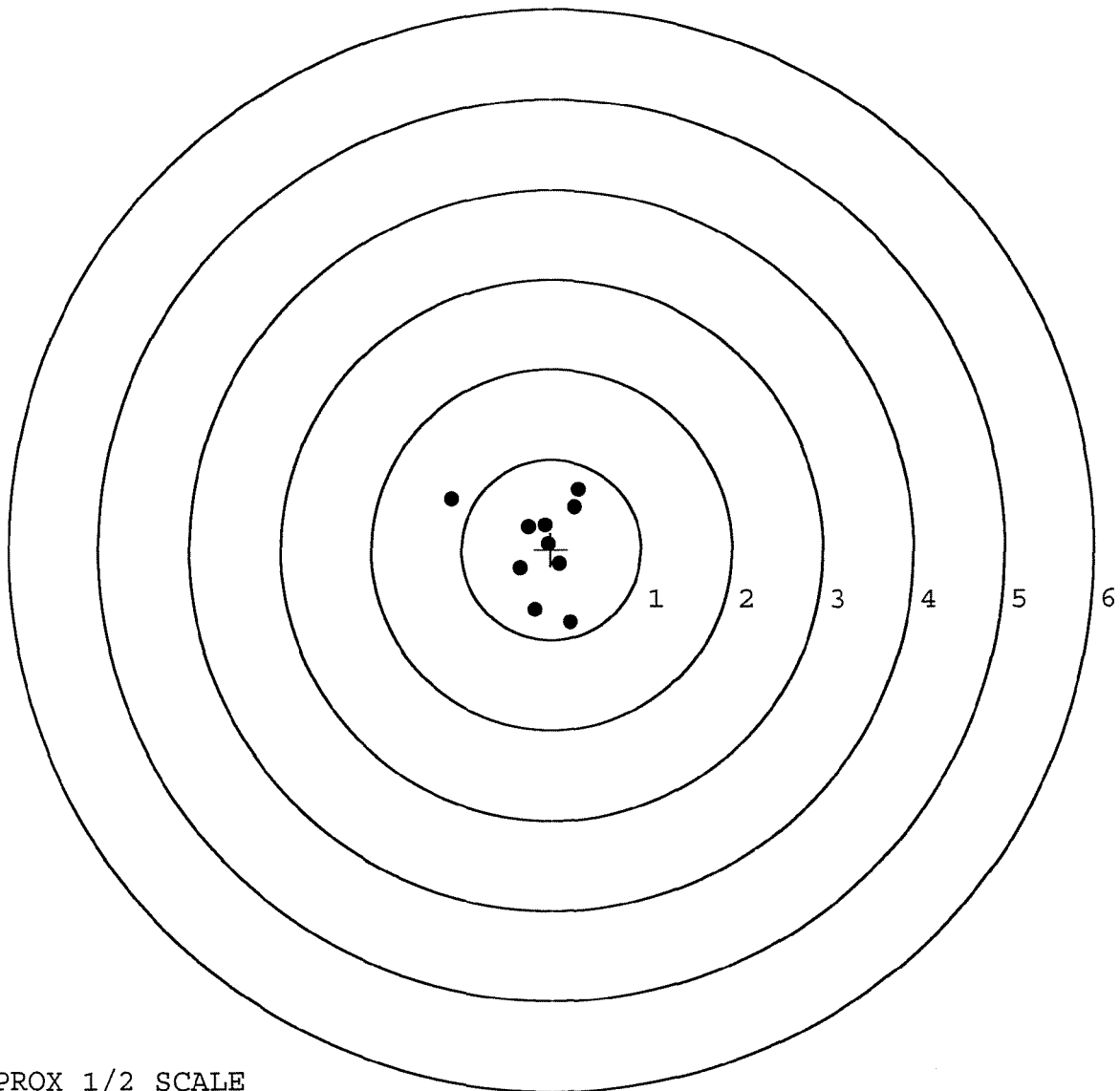
TARGET APPROX 1/2 SCALE

BARBER - M24 0018538

SERIAL NUMBER: C6594521. __0
TARGET NUMBER: 3
FILE DATE: 07/09/2007
FILE TIME: 14:56

POINT#	X	Y
1:	0.215	-0.820
2:	-0.186	-0.676
3:	0.096	-0.161
4:	-0.344	-0.210
5:	-1.110	0.564
6:	0.308	0.670
7:	0.262	0.479
8:	-0.028	0.062
9:	-0.067	0.268
10:	-0.259	0.253

X CENTROID: -0.111
Y CENTROID: 0.043
POA TO CENTROID: 0.119
HORZ SPREAD: 1.418
VERT SPREAD: 1.490
GROUP SPREAD: 1.916
MIN RADIUS: 0.085
MAX RADIUS: 1.126
MEAN RADIUS: 0.531
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



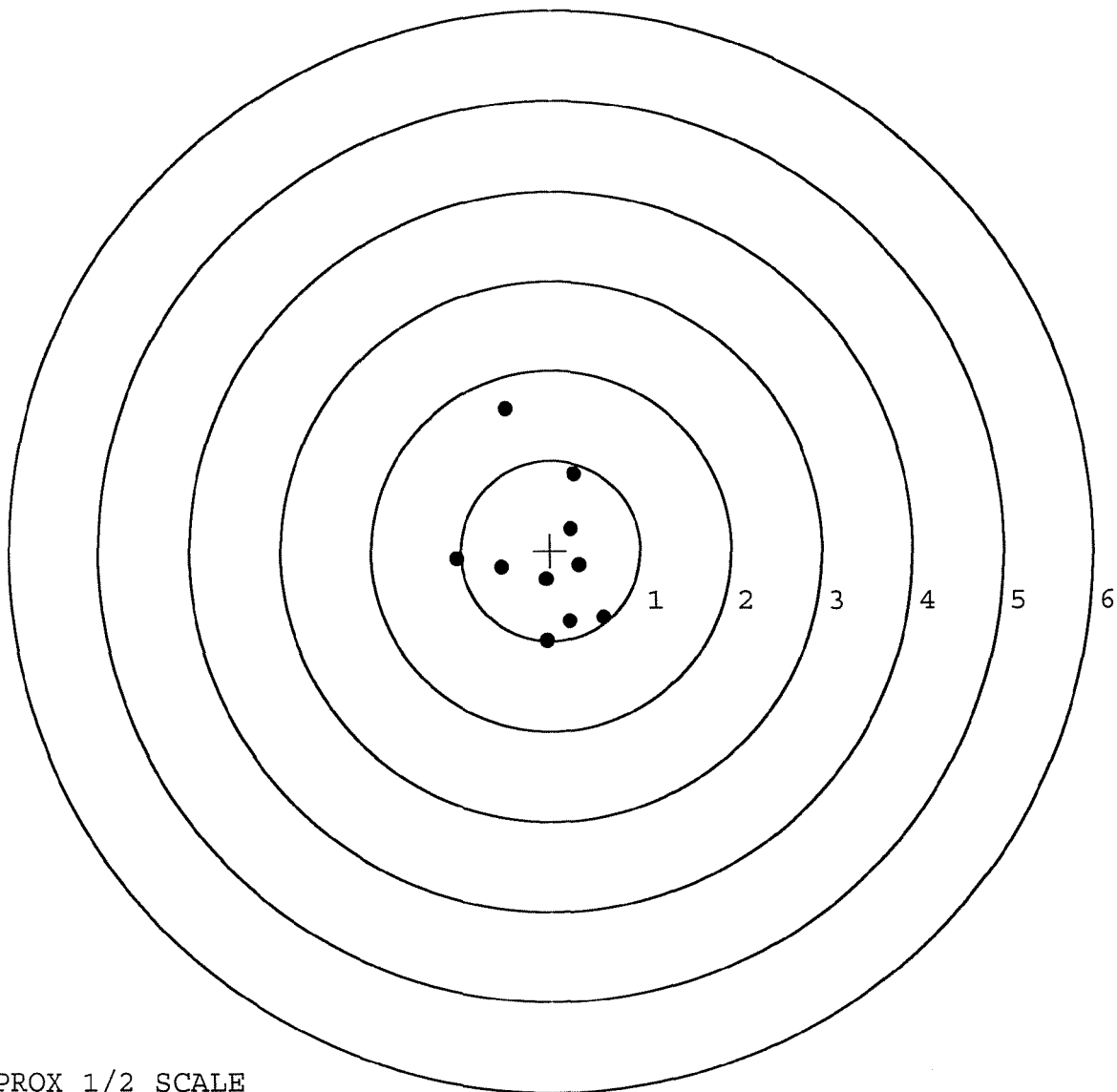
TARGET APPROX 1/2 SCALE

BARBER - M24 0018539

SERIAL NUMBER: C6594521. __0
TARGET NUMBER: 4
FILE DATE: 07/09/2007
FILE TIME: 14:56

POINT#	X	Y
1:	0.590	-0.743
2:	0.218	-0.786
3:	-0.040	-1.005
4:	0.324	-0.165
5:	-0.050	-0.324
6:	0.225	0.243
7:	-0.544	-0.193
8:	-1.040	-0.094
9:	0.262	0.852
10:	-0.500	1.568

X CENTROID: -0.056
Y CENTROID: -0.065
POA TO CENTROID: 0.085
HORZ SPREAD: 1.630
VERT SPREAD: 2.573
GROUP SPREAD: 2.614
MIN RADIUS: 0.259
MAX RADIUS: 1.692
MEAN RADIUS: 0.787
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9



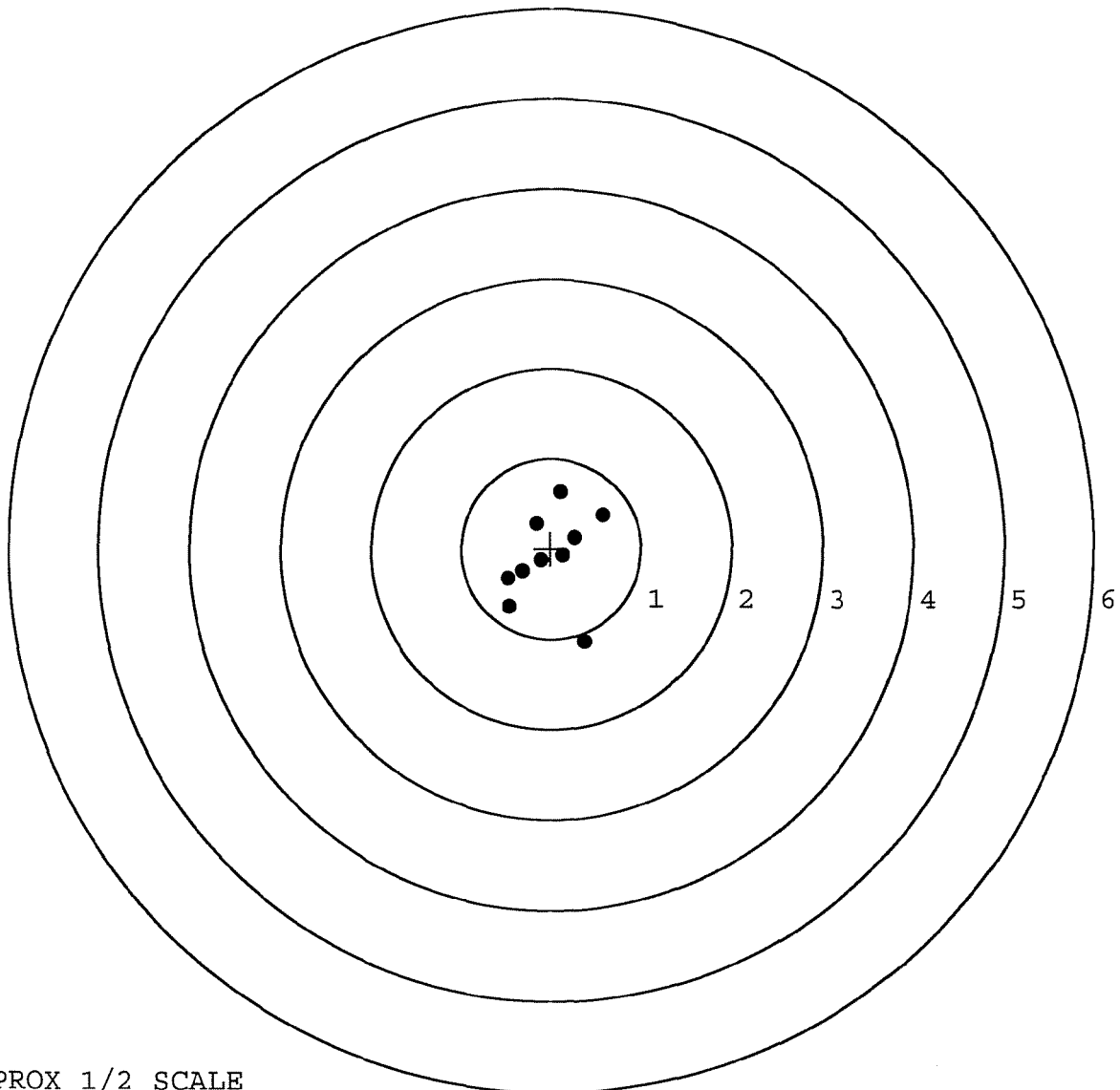
TARGET APPROX 1/2 SCALE

BARBER - M24 0018540

SERIAL NUMBER: C6594521. __0
TARGET NUMBER: 5
FILE DATE: 07/09/2007
FILE TIME: 14:56

POINT#	X	Y
1:	0.378	-1.027
2:	-0.464	-0.646
3:	0.577	0.378
4:	0.112	0.628
5:	0.263	0.127
6:	0.135	-0.077
7:	-0.163	0.276
8:	-0.112	-0.133
9:	-0.319	-0.247
10:	-0.477	-0.331

X CENTROID: -0.007
Y CENTROID: -0.105
POA TO CENTROID: 0.105
HORZ SPREAD: 1.054
VERT SPREAD: 1.655
GROUP SPREAD: 1.676
MIN RADIUS: 0.109
MAX RADIUS: 0.999
MEAN RADIUS: 0.509
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER		129624	
SERIAL NUMBER		C6594521	
LOG-IN DATE		5-22-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-19-07	RR
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	6-22-07	unus
510	DRILL AND TAP	6-22-07	SD
615	ROLLMARK CALIBER	6-26-07	CW
618	ROTO-BLAST	6-26-07	LB
620	APPLY COATINGS	6-28-07	CW
625	FINAL ASSEMBLY	7-6-07	S.P.D.
640	FUNCTION TEST AND	PASS FAIL	7-9-07 TRW
650	TARGET	PASS FAIL	7-9-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		7-9-07 WR
	A) HEADSPACE	PASS FAIL	7-10-07 DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.31 2.35 2.38 2.25 2.33 7-10-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 5.5 4.5 7-10-07 DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.2 2.2 7-10-07 DA
	I) FIRING PIN INDENT	.020	.021 .021 .021 7-10-07 DA
690	PACK		7-10-07 DA

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18725

INITIAL CUSTOMER ORDER NO.

JJM DAAA09-92-C-0834

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

ATTN FRED MARTIN

Scope S/N 90 0275

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

06/14/94

06/15/94

C6594521

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

CUST NO: 098397 C.O.D.

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 Assem.

✓ Front & Rear Sight Assy

✓ Component Carrying Case Assy 06069

✓ Scope Case 96081

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

8/2/96

8/2/96

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 M2400018581

op. #	BARBER - M24 0018543 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	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	2.71	2.70	2.65	2.74	2.85	8/23/96	RW
	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			
	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			

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594521DATE 7-25-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.68	2.69	2.81	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.60	2.89	2.78	
PULL #3	2.78	2.78	2.54	
PULL #4	2.68	2.89	2.60	
PULL #5	2.80	2.76	2.82	
TOTAL	13.54	14.01	13.55	
AVG.	2.70	2.80	2.71	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.09	3.14	
PULL #2	3.22	3.01	
PULL #3	3.30	3.25	
PULL #4	3.23	3.38	
PULL #5	3.28	3.21	
TOTAL	16.12	15.99	
AVG.	3.22	3.19	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.15		4.18
PULL #2	4.02	4.23		4.07
PULL #3	4.27	4.12		4.28
PULL #4	4.20	4.06		4.30
PULL #5	4.28	4.29		4.25
TOTAL	21.01	20.85		21.08
AVG.	4.20	4.17		4.21

CENTROIDAL DISTANCE CALCULATION
FOR RIFLE # 06594521
8 Jan 1980

CENTROIDAL DISTANCES

0 TO	1	.411118
1 TO	2	.46456
1 TO	3	.53525
1 TO	4	.659019
1 TO	5	.417027

FOR

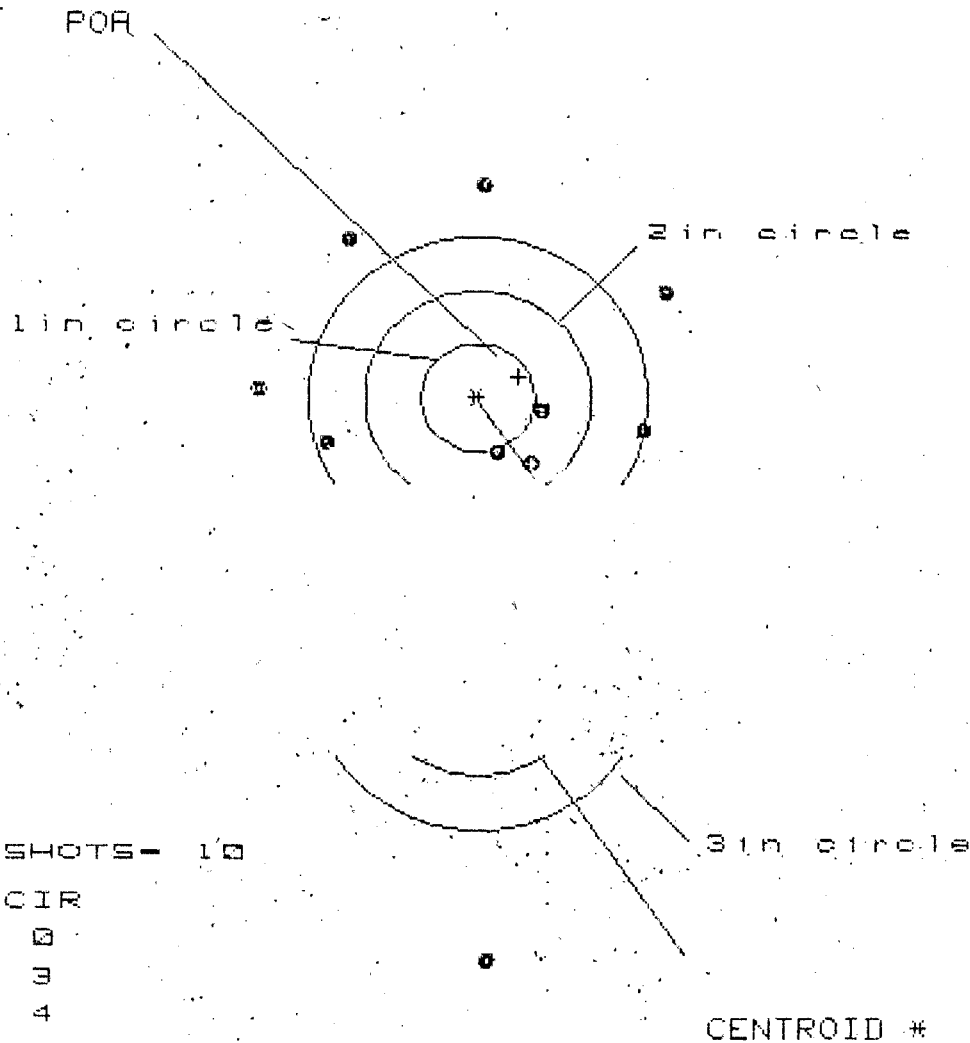
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0204
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0342
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0441905
THE HMR FOR THIS RIFLE IS: 1.178

8 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6584521

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 4

HS= 3.593

VS= 4.757

GS= 4.757

PATTERN #

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.667	1.674	1.678
MINIMUM X	-1.926	-1.919	-1.915
MAXIMUM Y	2.010	1.705	1.442
MINIMUM Y	-2.747	-0.868	-0.655
CENTROID X	-0.363	-0.370	-0.374
CENTROID Y	-0.193	0.112	-0.101
FOR TO CENTROID in.	0.411	0.387	0.387
MIN RADIUS	0.547	0.710	0.617
MEAN RADIUS	1.539	1.427	1.344
MAX RADIUS	2.748	1.936	1.916
HORIZONTAL SPREAD	3.593	3.593	3.593
VERTICAL SPREAD	4.757	2.573	2.097
EXTREME SPREAD	4.757	3.720	3.720
NUMBER IN ONE INCH CIRCLE	= 0		
NUMBER IN TWO INCH CIRCLE	= 3		
NUMBER IN THREE INCH CIRCLE	= 4		

8 Jan 1908

FILE:/PATTERNING/CENTERFIRE_PATT/C6534521

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS= 4.582

VS= 2.483

GS= 4.653

PATTERN #

724

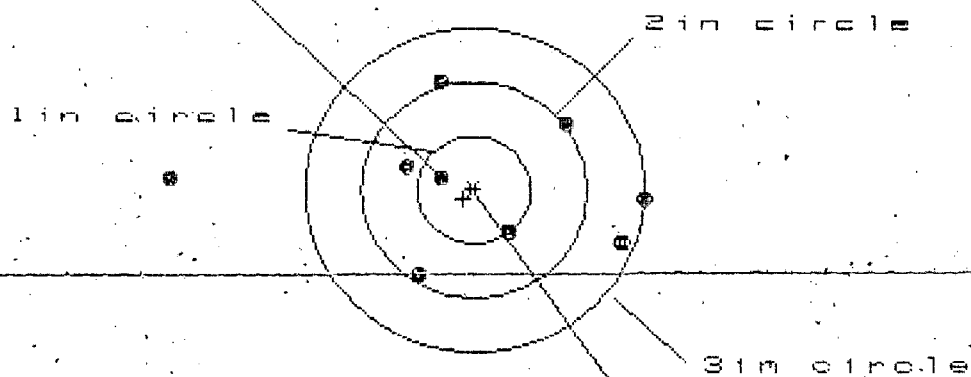
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.479	1.592	1.363
MINIMUM X	-2.103	-1.827	-1.240
MAXIMUM Y	1.450	1.344	1.312
MINIMUM Y	-1.033	-1.139	-1.171
CENTROID X	.083	-.193	.036
CENTROID Y	-.063	.043	.075
POA TO CENTROID in.	.104	.197	.083
MIN RADIUS	.409	.322	.374
MEAN RADIUS	1.289	1.110	1.010
MAX RADIUS	2.657	1.845	1.467
HORIZONTAL SPREAD	4.582	3.419	2.603
VERTICAL SPREAD	2.483	2.483	2.483
EXTREME SPREAD	4.653	3.422	2.659
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		7	

8 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06594521

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 4.157

VS= 1.874

GS= 4.162

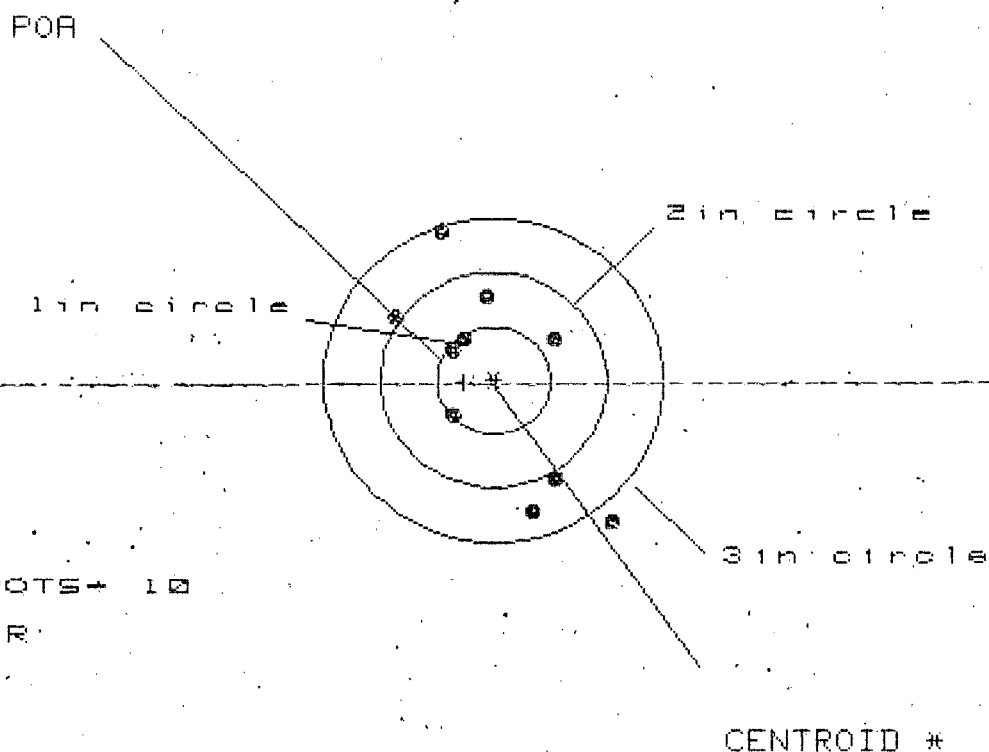
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.509	1.214	1.206
MINIMUM X	-2.648	-.881	-.729
MAXIMUM Y	1.049	1.059	1.048
MINIMUM Y	-.825	-.815	-.826
CENTROID X	.095	.390	.238
CENTROID Y	.084	.074	.085
POA TO CENTROID in.	.127	.397	.253
MIN RADIUS	.297	.352	.379
MEAN RADIUS	1.052	.857	.794
MAX RADIUS	2.650	1.219	1.286
HORIZONTAL SPREAD	4.157	2.095	1.935
VERTICAL SPREAD	1.874	1.874	1.874
EXTREME SPREAD	4.162	2.232	2.232
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

8 Jan 1908

FILE:/PATTERNING/CENTERFIRE_PATT/C6594521

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 1.991

VS = 2.679

GS = 3.114

PATTERN #

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 =
4	10	1.087	-.904	1.378	-1.301	.262	.016	.262	.442	.943	1.695	1.991	2.679	3.114	2	5	9
9	9	.684	-.783	1.233	-1.381	.141	.161	.214	.254	.811	1.448	1.467	2.614	2.739	2	5	9
8	8	.636	-.831	.829	-1.226	.189	.006	.189	.393	.774	1.287	1.467	2.055	2.168	2	5	9

8 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/06594521

CENTERFIRE PATTERNS # 5

POA

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 10

HS= 2.461

VS= 2.026

GS= 2.848

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.089	.937	1.053
MINIMUM X	-1.372	-1.437	-1.321
MAXIMUM Y	.977	1.036	.929
MINIMUM Y	-1.049	-.990	-1.097
CENTROID X	.025	.177	.061
CENTROID Y	-.040	-.099	.008
POA TO CENTROID in.	.047	.203	.062
MIN RADIUS	.587	.572	.568
MEAN RADIUS	1.067	1.008	.966
MAX RADIUS	1.472	1.525	1.458
HORIZONTAL SPREAD	2.461	2.374	2.374
VERTICAL SPREAD	2.026	2.026	2.026
EXTREME SPREAD	2.848	2.574	2.574
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	3	
NUMBER IN THREE INCH CIRCLE	=	10	

Remington®
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

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

SERIAL NO.
C6594521

ORDER NO.
5716

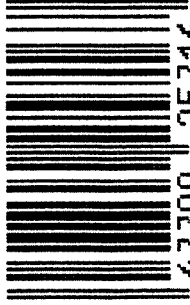
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6594521

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594521

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/30/90	Kd
600	Proof		10/30/90	Kd
607	Check Headspace		10/30/90	Kd
610	Dis-assemble Gun		10/30/90	Kd
612	Magnaflux Barrel Action		11/1/90	KCR
	Magnaflux Bolt		11/1/90	KCR
615	Rollmark Caliber		11/1/90	GS
617	Drill and Tap Sight Holes		11/6/90	FB
618	Polish Barrel AB		11/7/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/17/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/17/91	KS
	C) Inspect Ejector Hole for Chamfer		1/17/91	KS
	D) Oil Firing Pin Ass'y		1/17/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/21/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1/22/91	WB
	G) Safety Off Force	2	2	2			1/22/91	WB
	H) Trigger Pull Test & Retainability						1/21/91	W.
	I) Firing Pin Indent	.020	.0205	.0205			1/22/91	WB
	J) Assemble Stock						1/23/91	KS
	K) Assemble Swivel Studs						2-6-91	DH
	L) Attach Front and Rear Sight Assemblies						1/23/91	KS
	M) Iron Sight Alignment						1/23/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/23/91	KS
	O) Attach Scope to Rifle						1/23/91	KS
	P) Detach & Attach Scope 20 Times						1/23/91	KS
640	Gallery Target & Test						1-23-91	DH
	A) Time						1-23-91	DH
	B) Malfunctions						1-23-91	DH
	C) Pierced Primers						1-23-91	DH
	D) Optical Clarity of Scope						1-23-91	DH
645	Inspect for Live Ammo						1-23-91	DH
655	Final Inspection							
	A) Headspace						2-6-91	DH
	B) Trigger Pull	2.44	2.44	2.41	2.41	2.32	2-1-91	W.
	C) Function						2-6-91	DH
660	Pack						3/14/91	WB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6594521DATE 1/21/91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.30	2.40	2.44	MIN. SETTING,
PULL #2	2.32	2.31	2.49	2.44	NO AVG. OF 5
PULL #3	2.40	2.37	2.40	2.41	READINGS ACCEPT-
PULL #4	2.32	2.36	2.56	2.41	ABLE LESS THAN 2#
PULL #5	2.32	2.44	2.58	2.32	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.29		
PULL #2	3.32	3.22		
PULL #3	3.31	3.23		
PULL #4	3.26	3.28		
PULL #5	3.24	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	4.28	4.21		4.24
PULL #2	4.19	4.28		4.26
PULL #3	4.23	4.32		4.35
PULL #4	4.20	4.30		4.34
PULL #5	4.20	4.31		4.34
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594521
24 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.180422
1 TO	2	.196023
1 TO	3	.210772
1 TO	4	.281555
1 TO	5	.282816

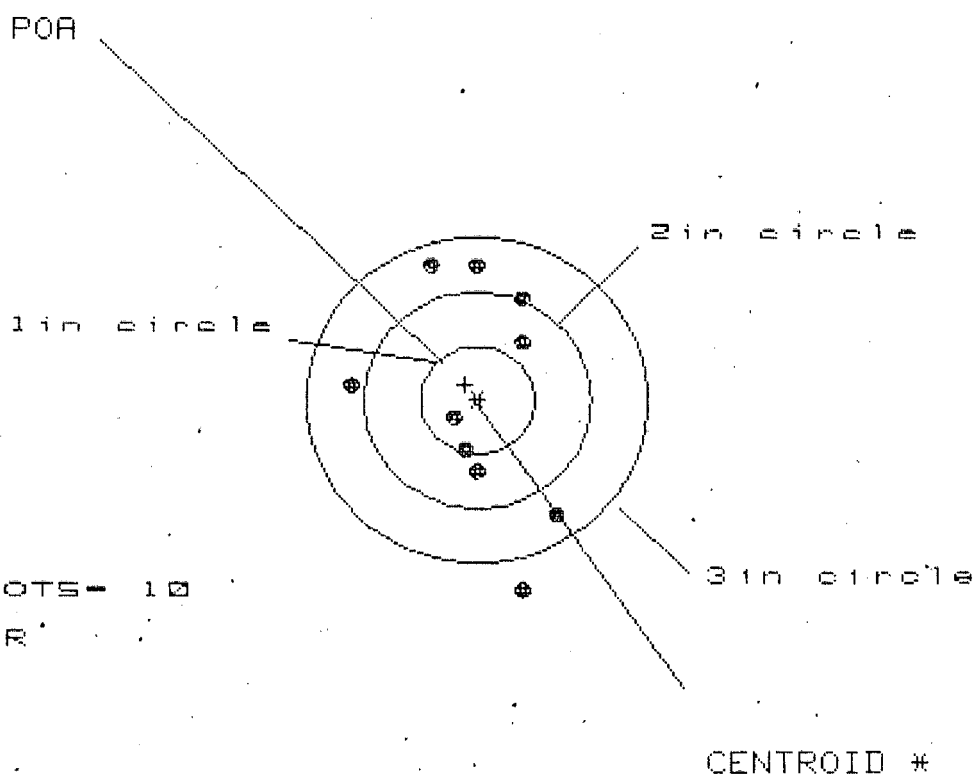
4th <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1538
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0854
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .175919
THE AMR FOR THIS RIFLE IS: .9548

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594521

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 1.841

VS= 2.974

GS= 3.024

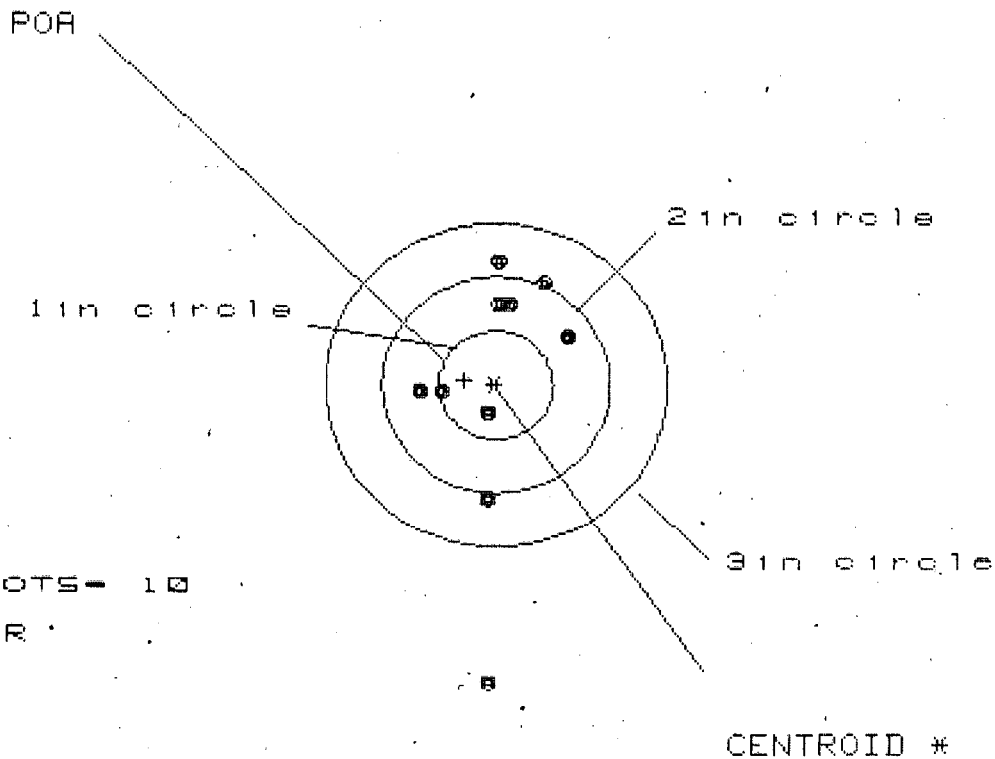
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.714	.754	.714
MINIMUM X	-1.127	-1.087	-1.127
MAXIMUM Y	1.248	1.056	1.183
MINIMUM Y	-1.726	-1.230	-1.103
CENTROID X	.106	.066	.106
CENTROID Y	-.146	.046	-.081
POA TO CENTROID in.	.180	.081	.133
MIN RADIUS	.237	.385	.287
MEAN RADIUS	.962	.874	.831
MAX RADIUS	1.763	1.443	1.314
HORIZONTAL SPREAD	1.841	1.841	1.841
VERTICAL SPREAD	2.974	2.286	2.286
EXTREME SPREAD	3.024	2.492	2.405
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594521

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 1.253

VS = 3.886

GS = 3.887

CENTROID *

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.576	.572	.576
MINIMUM X	-.677	-.681	-.677
MAXIMUM Y	1.157	.854	.751
MINIMUM Y	-2.729	-1.326	-1.219
CENTROID X	.274	.278	.274
CENTROID Y	-.045	.258	.151
POA TO CENTROID in.	.278	.379	.313
MIN RADIUS	.219	.423	.413
MEAN RADIUS	.961	.710	.694
MAX RADIUS	2.729	1.328	1.221
HORIZONTAL SPREAD	1.253	1.253	1.253
VERTICAL SPREAD	3.886	2.180	1.970
EXTREME SPREAD	3.887	2.183	2.038
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

24 Jan 1991

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 7

3in = 10

HS= 1.979

VS= 1.657

GS= 2.198

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.991	.887	.812
MINIMUM X	:	-.988	-1.092	-.981
MAXIMUM Y	:	.754	.799	.771
MINIMUM Y	:	-.903	-.819	-.847
CENTROID X	:	.186	.290	.179
CENTROID Y	:	.049	-.035	-.007
POA TO CENTROID in.	:	.193	.292	.179
MIN RADIUS	:	.613	.485	.599
MEAN RADIUS	:	.836	.776	.762
MAX RADIUS	:	1.200	1.121	1.006
HORIZONTAL SPREAD	:	1.979	1.979	1.793
VERTICAL SPREAD	:	1.657	1.618	1.618
EXTREME SPREAD	:	2.198	2.035	1.795
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

24 Jan 1991

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CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.603

VS= 3.104

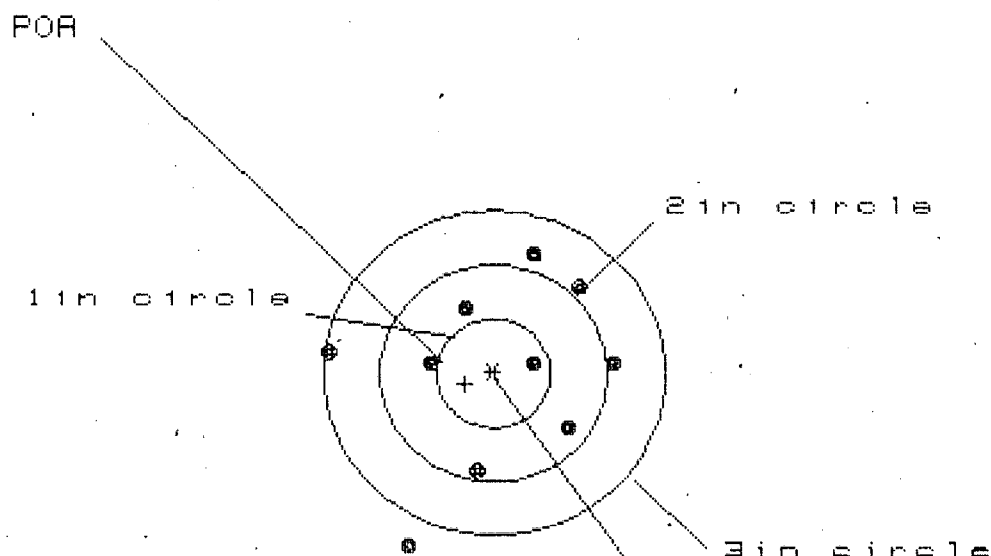
GS= 3.311

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.166	1.061	.968
MINIMUM X	:	-1.437	-1.542	-1.021
MAXIMUM Y	:	1.319	1.121	1.086
MINIMUM Y	:	-1.785	-.955	-.990
CENTROID X	:	-.046	.059	.252
CENTROID Y	:	-.383	-.185	-.150
POA TO CENTROID in.	:	.386	.194	.293
MIN RADIUS	:	.348	.331	.161
MEAN RADIUS	:	1.050	.904	.801
MAX RADIUS	:	2.017	1.567	1.316
HORIZONTAL SPREAD	:	2.603	2.603	1.889
VERTICAL SPREAD	:	3.104	2.076	2.076
EXTREME SPREAD	:	3.311	2.688	2.336
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594521

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.433

VS= 2.762

GS= 3.003

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.010	.924	.735
MINIMUM X	:	-1.423	-1.509	-.781
MAXIMUM Y	:	1.145	.966	.968
MINIMUM Y	:	-1.617	-1.040	-1.038
CENTROID X	:	.249	.336	.525
CENTROID Y	:	.098	.277	.275
POA TO CENTROID in.	:	.268	.436	.593
MIN RADIUS	:	.311	.241	.110
MEAN RADIUS	:	.965	.846	.736
MAX RADIUS	:	1.795	1.509	1.120
HORIZONTAL SPREAD	:	2.433	2.433	1.516
VERTICAL SPREAD	:	2.762	2.006	2.006
EXTREME SPREAD	:	3.003	2.437	2.078
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		