

05225330

MODEL 700TM M24

Model 700 M24TM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

BARBER - M24 ~~0012944~~ 12983

BARBER - M24 0012944

Smead[®]

No. 2-152-5L

HASTINGS, MN
LOS ANGELES-CHICAGO-LOGAN, OH
MCGREGOR, TX-LOCUST GROVE, GA
U.S.A.

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

88299

5081

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C6225330*

OPERATION		DATE	INT
#	NAME		
575-580	ASSEMBLY	<i>2-26</i>	<i>FB</i>
600	PROOF	<i>2-29</i>	<i>RL</i>
615	MAGNAFLUX BARREL	<i>5/13/88</i>	<i>pk</i>
	MAGNAFLUX BOLT	<i>5/13/88</i>	<i>p/c</i>
620	COATING	<i>8/11/88</i>	<i>JA</i>
625-630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

M-24

CONTRACT # DAAA21-87-C-0086

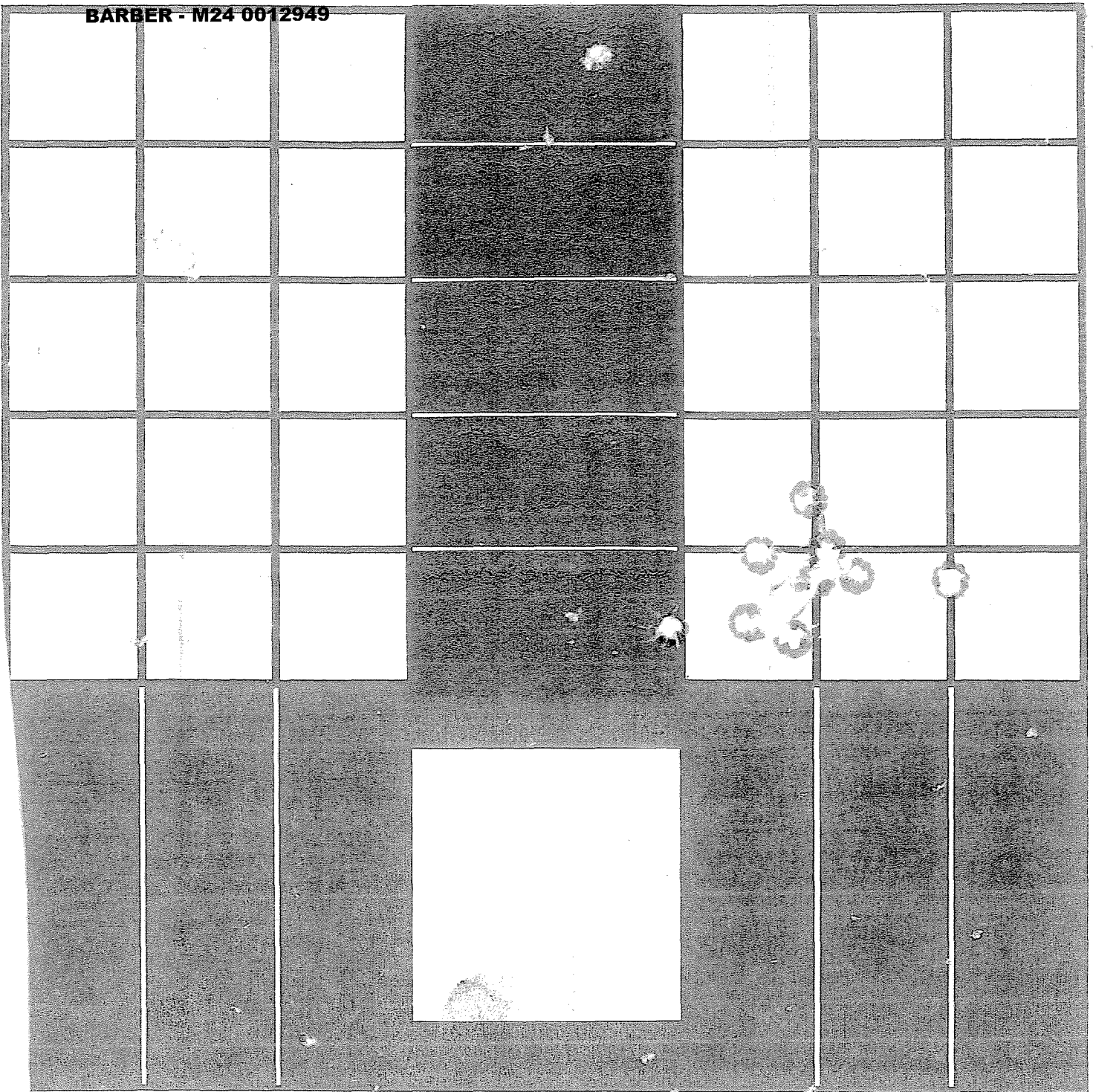
GUN SERIAL # C6225330

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 & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coatings (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/26/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/26/88	RW
	C) Inspect Ejector Hole for Chamfer		8/26/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		8/26/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		26 Aug 88	W.B.
	F) Safety on Force	6 $\frac{3}{4}$ 6 $\frac{3}{4}$ 6 $\frac{3}{4}$	26 Aug 88	W.B.
	G) Safety off Force	4 3 $\frac{3}{4}$ 3 $\frac{3}{4}$	26 Aug 88	W.B.
	H) Trigger Pull Test & Retainability		26 Aug 88	W.B.
	I) Firing Pin Indent	.023 .0225 .023	26 Aug 88	W.B.
	J) Assemble Stock		9/26/88	RW
	K) Assemble Swivel Studs		10-6-88	JS
	L) Attach Front & Rear Sight Assemblies		9/26/88	RW
	M) Iron Sight Alignment		9/26/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/26/88	RW
	O) Attach Scope to Rifle		10/3/88	RW
	P) Detach & Attach Scope 20 times		10/3/88	JS
640	Gallery Target & Test	69 R 86 L	10-5-88	AC
	A) Optical Clarity of Scope	OK	10-5-88	AC
645	Inspect for Live Ammo	NONE	10-5-88	AC
655	Final Inspection			
	A) Headspace		10-6-88	JS
	B) Trigger Pull		10-6-88	JS
	C) Function		10-6-88	JS
660	Pack		10-21-88	JS

BARBER - M24 0012949



AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6775330

DATE 26 Aug 88

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.57	2.41	2.65	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.43	2.33	2.64	
PULL #3	2.46	2.44	2.32	2.68	
PULL #4	2.47	2.41	2.32	2.73	
PULL #5	2.42	2.41	2.35	2.75	
TOTAL	12.39	12.26	11.73	13.45	
AVG.	2.48	2.45	2.34	2.69	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.04		
PULL #2	3.12	3.02		
PULL #3	3.09	2.97		
PULL #4	3.11	3.03		
PULL #5	2.97	3.02		
TOTAL	15.35	15.08		
AVG.	3.07	3.02		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.13		4.22
PULL #2	4.17	4.14		4.18
PULL #3	4.19	4.15		4.06
PULL #4	4.20	4.14		4.23
PULL #5	4.22	4.15		4.23
TOTAL	20.99	20.71		20.92
AVG.	4.20	4.14		4.18

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225330

CENTROIDAL DISTANCES

0 TO	1	1.18082
1 TO	2	1.53349
1 TO	3	1.13818
1 TO	4	.5578
1 TO	5	1.71626

5 4
3 1 <----POA
2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2868
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .229
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .367009
THE AMR FOR THIS RIFLE IS: .827

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225330

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 2.233

VS = 3.323

GS = 3.325

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.837	.896	.989
MINIMUM X	:	-1.396	-1.337	-1.244
MAXIMUM Y	:	1.306	1.082	.680
MINIMUM Y	:	-2.017	-.643	-.587
CENTROID X	:	1.157	1.098	1.065
CENTROID Y	:	.236	.460	.324
POA TO CENTROID in.	:	1.181	1.190	1.056
MIN RADIUS	:	.353	.362	.411
MEAN RADIUS	:	.939	.787	.726
MAX RADIUS	:	2.087	1.409	1.283
HORIZONTAL SPREAD	:	2.233	2.233	2.233
VERTICAL SPREAD	:	3.323	1.725	1.187
EXTREME SPREAD	:	3.325	2.577	2.244
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225330

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 6

HS = 4.053

VS = 3.399

GS = 4.115

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.772	1.519	1.519
MINIMUM X	:	-2.281	-.980	-.980
MAXIMUM Y	:	1.926	1.833	1.335
MINIMUM Y	:	-1.473	-1.566	-1.336
CENTROID X	:	-.060	.193	.193
CENTROID Y	:	-.697	-.604	-.834
POA TO CENTROID in.	:	.700	.635	.856
MIN RADIUS	:	.325	.444	.250
MEAN RADIUS	:	1.253	1.129	1.013
MAX RADIUS	:	2.429	1.833	1.519
HORIZONTAL SPREAD	:	4.053	2.499	2.499
VERTICAL SPREAD	:	3.399	3.399	2.671
EXTREME SPREAD	:	4.115	3.424	2.702
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225330

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 10

HS = 2.724

VS = 1.923

GS = 2.776

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.272
MINIMUM X	-1.452
MAXIMUM Y	.643
MINIMUM Y	-1.280
CENTROID X	.019
CENTROID Y	.256
POA TO CENTROID in.	.257
MIN RADIUS	.075
MEAN RADIUS	.752
MAX RADIUS	1.460
HORIZONTAL SPREAD	2.724
VERTICAL SPREAD	1.923
EXTREME SPREAD	2.776
NUMBER IN ONE INCH CIRCLE =	4
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	10

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225830

CENTERFIRE PATTERNS # 4

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.026

VS = 1.046

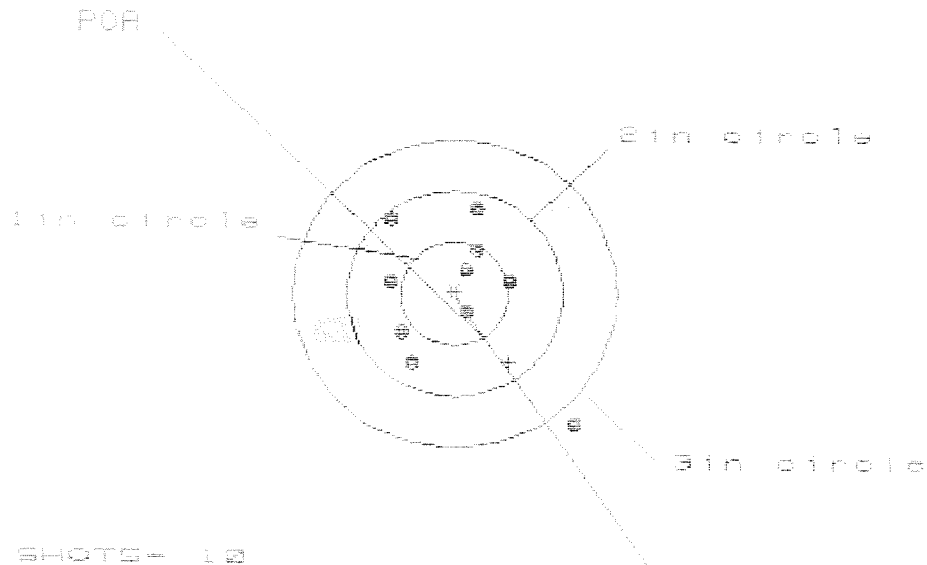
CS = 2.053

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.060	.526	.420
MINIMUM X	-.966	-.848	-.421
MAXIMUM Y	.594	.597	.560
MINIMUM Y	-.452	-.449	-.486
CENTROID X	.822	.704	.810
CENTROID Y	.682	.679	.716
POR TO CENTROID in.	1.068	.978	1.081
MIN RADIUS	.117	.090	.127
MEAN RADIUS	.495	.434	.361
MAX RADIUS	1.061	.898	.562
HORIZONTAL SPREAD	2.026	1.374	.841
VERTICAL SPREAD	1.046	1.046	1.046
EXTREME SPREAD	2.053	1.419	1.048
NUMBER IN ONE INCH CIRCLE =		6	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225330

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 4

2in = 8

3in = 10

HE = 1.700

VS = 2.121

GS = 2.620

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.086	.603	.540
MINIMUM X	-.622	-.501	-.510
MAXIMUM Y	.857	.716	.700
MINIMUM Y	-1.264	-.837	-.764
CENTROID X	-.504	-.625	-.563
CENTROID Y	.668	.809	.736
POA TO CENTROID IN.	.837	1.022	.926
MIN RADIUS	.219	.204	.208
MEAN RADIUS	.696	.573	.538
MAX RADIUS	1.667	.879	.839
HORIZONTAL SPREAD	1.708	1.104	1.050
VERTICAL SPREAD	2.121	1.553	1.553
EXTREME SPREAD	2.620	1.671	1.671
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	9		

ORDER
R 94-21804

TIAL	CUSTOMER ORDER NO.
------	--------------------

M-24 ATTN: FRED MARTIN

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
7/21/94	07/22/94	KI 5-68	C6225330		700 7.62 NATO
ACCESSORIES	W/STUDE				

DM:

SHIP TO:

COMMANDER
7TH SOSO
ATTN: PBD CW2 CMR. 445
APO AE NY

09046

COMMANDER
7TH SOSC
ATTN: PBO CW2 CNR. 445
APO AE NY

99046

CUST NO: 196374 C.G.D L

COUNT NUMBER	ACCOUNT NUMBER N/C	WRITE		PROM. DATE	ESTIMATED	VIA
--------------	--------------------	-------	--	------------	-----------	-----

NEW
 LIGHTLY WORN
 WORN
 VERY WORN
 UNREPAIRABLE
 MARRED

REPAIR CHARGE
EXCISE
TAX
INSURANCE
UPS
PARCEL POST
TOTAL

STOMEB CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
----------------	------	----------	--------	----------	-----	---------

CLE	B1				
GGER GROUP	B2			E1	
LT ASSY.	B3			E2	
RREL ASSY.	B4		D1	E3	
C. ASSY.	B5		D2	E4	
OD		C1	D3	E5	
TAL		C2			
N FAULT					

I rigger Broken

TS

DATE	TIME	LOCATION	REMARKS
11/11/78	1400	1000	COMMENTS

Trigger Assy	-	96024
Bolt	-	96003

Refrigerator Coat Barreled
Action Trigger Guard Assy,
Front & Rear Sight Bases
Rezinc - Swivel Studs

WSZ #09422/H329

REPAIRMAN RWT	PROOF ✓	CLEAN ✓	TEST ✓	TARGET ✓	PATTERN
GALLERY TESTER RWT	DATE 9/1/94	DATE 8/15/94	DATE 8/16/94	DATE 9/13/94	DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 **064293712996**

SEAL # 157992, 157993

DA FORM 5504 SEP 88

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

DA FORM 2404
1 APR 79

Replaces edition of 1 Jan 64, which will be used

BARBER - M24 ~~0042989~~ **M2400012999**

Final Inspection

In: C6225330

DATE REC'D: 7/21/94

DATE RET'D:

EDITOR: RW

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Scope Assy.

- ☐ Scope
- ☐ Scope Rings
- ☐ Mounting Screws
- ☐ Mounting Base
- ☐ Screws
- ☐ Finish
- ☐ Looseness
- ☐ Clarity

Misc.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

Stock Assy.

- ☒ STOCK
- ☒ SLING SWIVEL STUDS
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☐ Scope Case
- ☐ IRON SIGHTS
- ☐ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET

Comments:

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C622533.0DATE 8/17/94TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.45		2.57	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.57	2.47		2.54	
PULL #3	2.50	2.47		2.55	
PULL #4	2.36	2.51		2.57	
PULL #5	2.59	2.46		2.58	
TOTAL	12.58	12.36		12.81	
AVG.	2.52	2.47		2.56	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.24		
PULL #2	3.15	3.24		
PULL #3	3.19	3.21		
PULL #4	3.23	3.13		
PULL #5	3.21	3.29		
TOTAL	15.98	16.11		
AVG.	3.20	3.22		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.22		
PULL #2	4.09	4.15		
PULL #3	4.03	4.22		
PULL #4	4.00	4.18		
PULL #5	4.02	4.10		
TOTAL	20.25	20.87		
AVG.	4.05	4.17		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225330
15 Sep 1994

CENTROIDAL DISTANCES

0 TO	1	.0530377
1 TO	2	.191708
1 TO	3	.184261
1 TO	4	.290396
1 TO	5	.188664

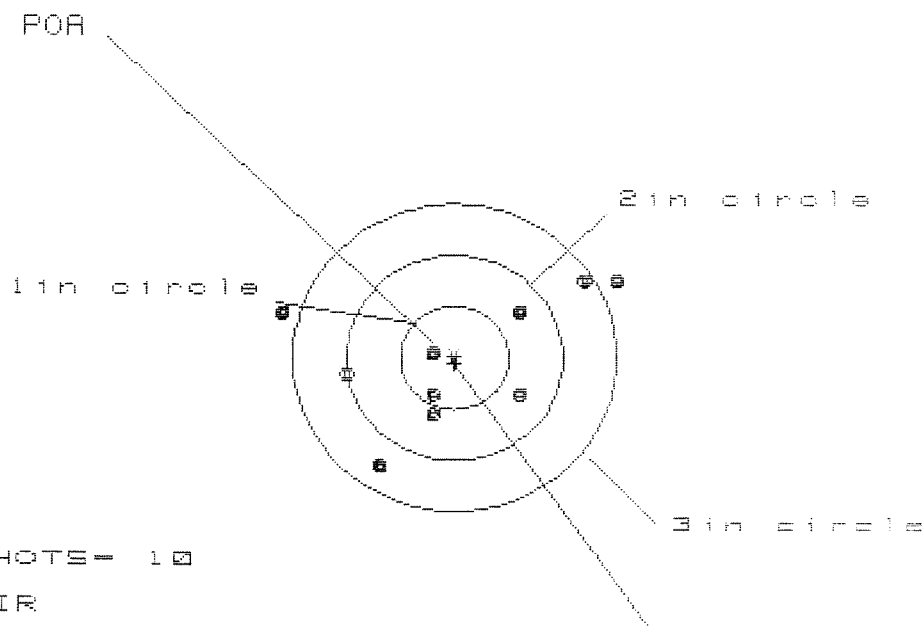
24
b <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0672
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0546
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0865852
THE AMR FOR THIS RIFLE IS: .9734

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C8225330

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 3.044

VS = 1.874

GS = 3.056

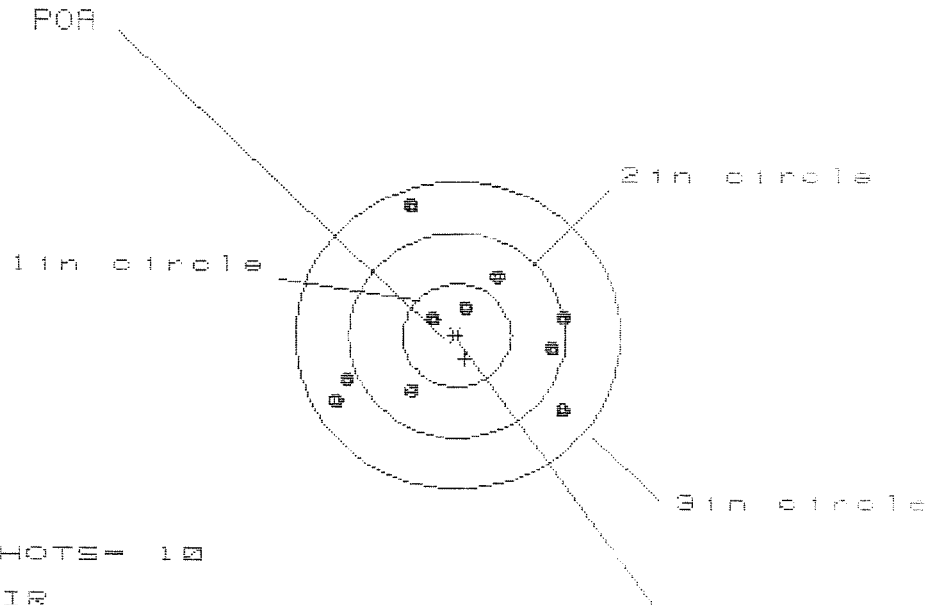
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.454	1.277	1.168
MINIMUM X	-1.591	-1.168	-1.089
MAXIMUM Y	.791	.845	.945
MINIMUM Y	-1.083	-1.029	-1.929
CENTROID X	-.002	.175	.016
CENTROID Y	.053	-.001	-.101
POA TO CENTROID in.	.053	.175	.102
MIN RADIUS	.246	.430	.307
MEAN RADIUS	.977	.899	.786
MAX RADIUS	1.661	1.507	1.503
HORIZONTAL SPREAD	3.044	2.445	2.177
VERTICAL SPREAD	1.874	1.874	1.874
EXTREME SPREAD	3.056	2.839	2.678
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/CS225330

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 2.114

VS = 1.996

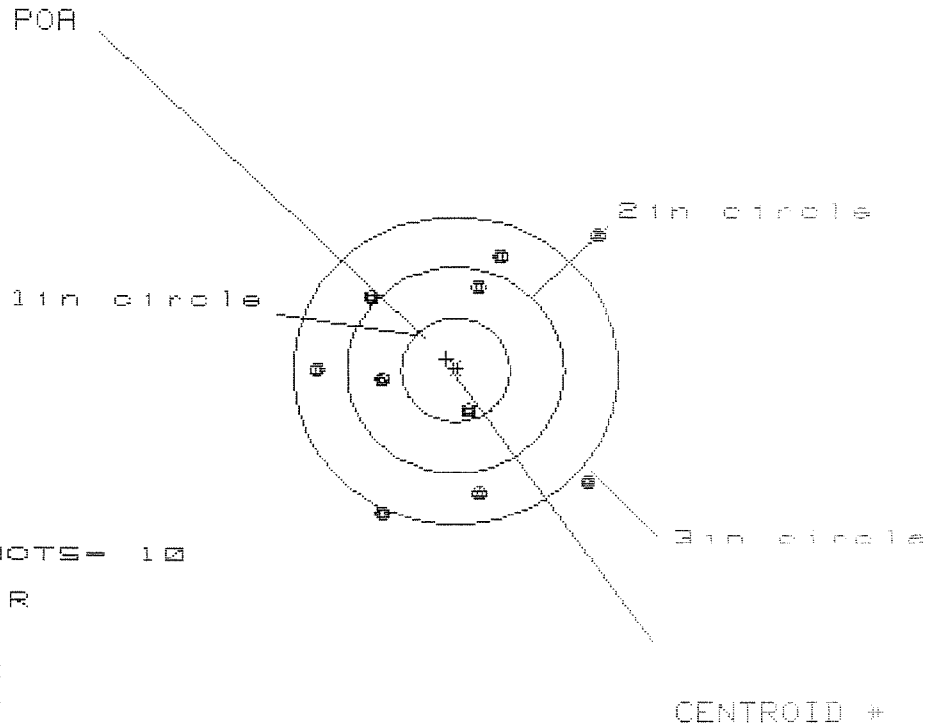
GS = 2.410

PATTERN #	2	3	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.016	.971	.828
MINIMUM X	-1.098	-1.143	-1.259
MAXIMUM Y	1.260	.689	.630
MINIMUM Y	-.736	-.596	-.655
CENTROID X	-.078	-.033	.110
CENTROID Y	.229	.089	.148
POA TO CENTROID in.	.242	.095	.184
MIN RADIUS	.260	.380	.394
MEAN RADIUS	.863	.822	.756
MAX RADIUS	1.324	1.234	1.296
HORIZONTAL SPREAD	2.114	2.114	2.087
VERTICAL SPREAD	1.996	1.285	1.285
EXTREME SPREAD	2.410	2.255	2.163
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/08225330

CENTERFIRE PATTERNS # 3



HS= 2.590

VS= 2.707

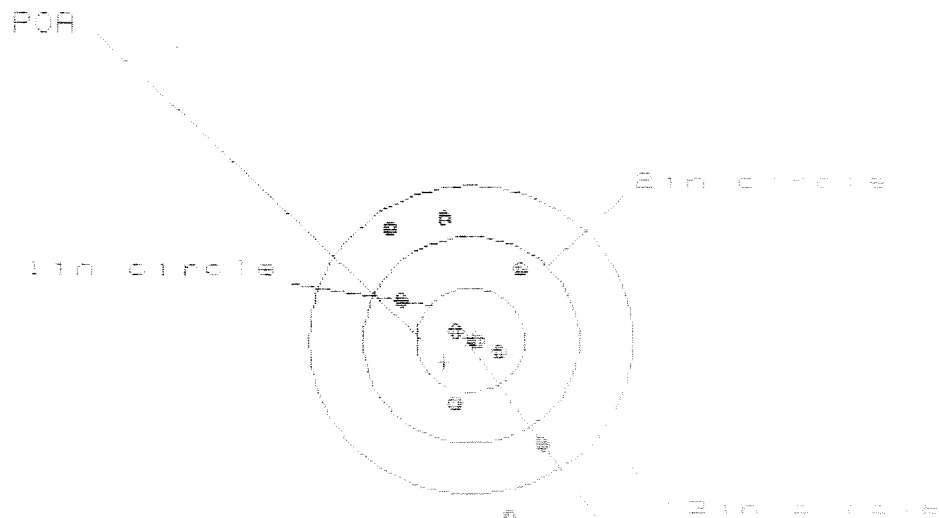
GS= 3.364

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.314	1.403	.723
MINIMUM X	-1.276	-1.130	-.955
MAXIMUM Y	1.352	1.306	1.194
MINIMUM Y	-1.355	-1.205	-1.317
CENTROID X	.082	-.064	-.239
CENTROID Y	-.111	-.261	-.149
POA TO CENTROID in.	.138	.268	.282
MIN RADIUS	.363	.333	.400
MEAN RADIUS	1.179	1.077	.981
MAX RADIUS	1.885	1.662	1.396
HORIZONTAL SPREAD	2.590	2.533	1.678
VERTICAL SPREAD	2.707	2.511	2.511
EXTREME SPREAD	3.364	2.741	2.736
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

15 Sep 1984

FILE:/PATTERNING/CE. /CFIRE_PATT/08225330

CENTERFIRE PATTERNS # 4



CF SHOTS = 10

INCHES

1 IN = 6

2 IN = 6

3 IN = 6

HSE = 1.469

VSE = 2.945

ESE = 3.046

CENTROID

PATTERN #	4		
SHOTS (BBS) OF	10	9	8
MAXIMUM X	.689	.733	.641
MINIMUM X	-.780	-.736	-.661
MAXIMUM Y	1.213	1.020	1.131
MINIMUM Y	-1.732	-1.170	-1.059
CENTROID X	.241	.197	.289
CENTROID Y	.212	.405	.294
POA TO CENTROID IN.	.321	.450	.412
MIN RADIUS	.078	.132	.084
MEAN RADIUS	.818	.717	.635
MAX RADIUS	1.778	1.380	1.238
HORIZONTAL SPREAD	1.469	1.469	1.382
VERTICAL SPREAD	2.945	2.190	2.190
EXTREME SPREAD	3.046	2.525	2.398
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C8225330

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 1.949

VS = 2.742

GS = 2.793

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.023	1.008	1.037
MINIMUM X	:	-.926	-.813	-.784
MAXIMUM Y	:	1.373	1.248	1.094
MINIMUM Y	:	-1.369	-1.494	-1.338
CENTROID X	:	.093	-.020	-.049
CENTROID Y	:	-.110	.015	-.141
POA TO CENTROID in.	:	.144	.025	.150
MIN RADIUS	:	.400	.569	.496
MEAN RADIUS	:	1.030	.967	.915
MAX RADIUS	:	1.520	1.494	1.339
HORIZONTAL SPREAD	:	1.949	1.821	1.821
VERTICAL SPREAD	:	2.742	2.742	2.432
EXTREME SPREAD	:	2.793	2.749	2.512
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6225330

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		9/1/94	RW
600	Proof		9/1/94	RW
607	Check Headspace		9/1/94	RW
610	Dis-assemble Gun		9/1/94	RW
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		9/13/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/13/94	RW
	C) Inspect Ejector Hole for Chamfer		9/13/94	RW
	D) Oil Firing Pin Ass'y		9/13/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	BARBER - M24 0012970 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						9/13/94	WB
	A) Time						9/13	WB
	B) Malfunctions						9/13 OK	WB
	C) Pierced Primers						9/13 OK	WB
	D) Optical Clarity of Scope						9/13 OK	WB
645	Inspect for Live Ammo						9/13/94	RW
655	Final Inspection							
	A) Headspace						9/14/94	RW
	B) Trigger Pull	2.43	2.49	2.41	2.49	2.46	9/14/94	RW
	C) Function						9/14/94	RW
660	Pack							

C.6225330

Final Inspection

S.N. C6225330

DATE REC'D: 5-11-00

DATE RET'D:

Auditor: RW

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☐ SCOPE☐ SCOPE RINGS☐ MOUNTING SCREWS☒ MOUNTING BASE☒ SCREWS☐ FINISH☐ LOOSENESS☐ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ SCOPE CASE☐ IRON SIGHTS☐ DEPLOYMENT KIT

Trigger

☒ SAFETY OPERATION☒ SET

Comments:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER			
SERIAL NUMBER C6225330			
LOG-IN DATE 5-11-00			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-15-00	RW
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	5-22-00	RW
605	CHECK HEADSPACE	5-22-00	RW
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	7-21-00	RW
655	FINAL INSPECT	7-25-00	RW
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

BARBER - M24 0012974

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225330
19 Jul 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1206
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0108
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .121083

THE AMR FOR THIS RIFLE IS: 1.248

CENTROIDAL DISTANCES

0 TO	1	.231931
1 TO	2	.374712
1 TO	3	.358666
1 TO	4	.509071
1 TO	5	.543838

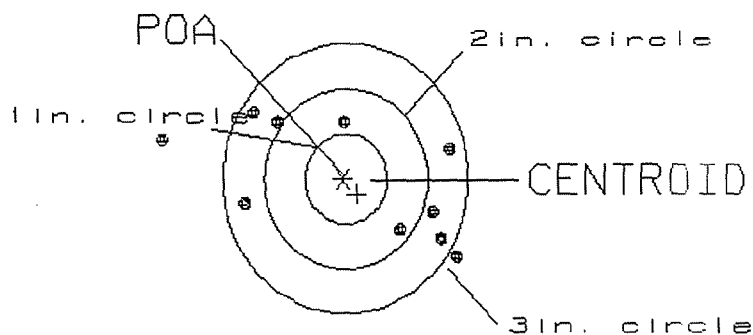
$\begin{matrix} 1 \\ +3 \end{matrix} \begin{matrix} 24 \\ 5 \end{matrix} \leftarrow \text{POA}$

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .232
 MIN RADIUS : .645
 MEAN RADIUS : 1.273
 MAX RADIUS : 2.294
 CENTROID X : -.164
 CENTROID Y : .164

19 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225330

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.62
 VS= 1.58
 GS= 3.85

0
 2
 8

BARBER - M24 0012976

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .239

MIN RADIUS : .115

MEAN RADIUS : 1.047

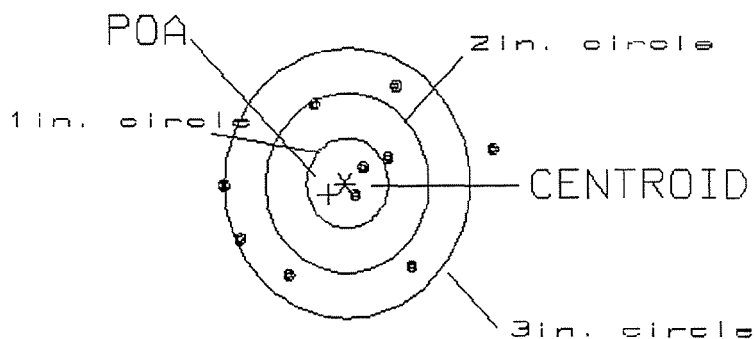
MAX RADIUS : 1.838

CENTROID X : .208

CENTROID Y : .119

19 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225330

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 3.30

2

VS= 2.07

3

GS= 3.32

9

BARBER - M24 0012977

REMINGTON CENTERFIRE ACCURACY TEST

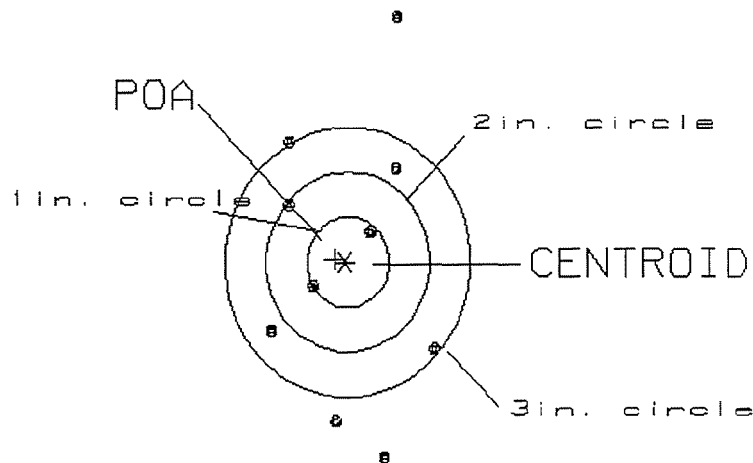
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 3
 POA TO CENTROID: .137
 MIN RADIUS : .374
 MEAN RADIUS : 1.411
 MAX RADIUS : 2.807
 CENTROID X : .131
 CENTROID Y : -.040

19 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225330

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.00
 VS= 4.95
 GS= 4.95

2
 2
 6

BARBER - M24 0012978

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .368

MIN RADIUS : .486

MEAN RADIUS : 1.467

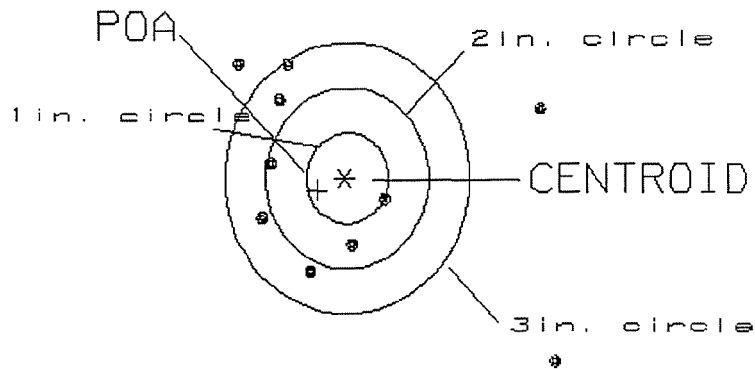
MAX RADIUS : 3.279

CENTROID X : .344

CENTROID Y : .131

19 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225330

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 3.96

1

VS= 3.32

3

GS= 5.17

7

BARBER - M24 0012979

REMINGTON CENTERFIRE ACCURACY TEST

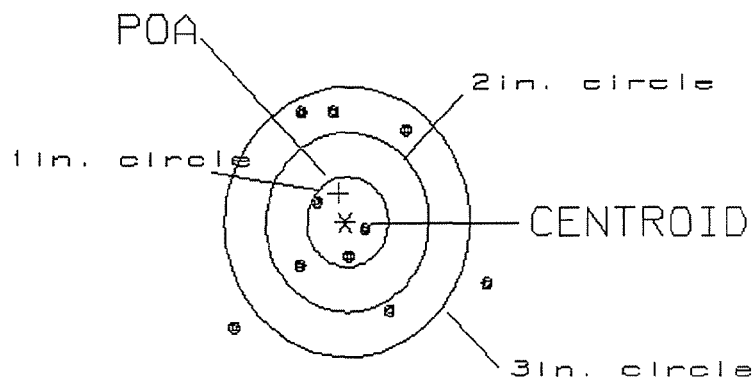
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .331
 MIN RADIUS : .225
 MEAN RADIUS : 1.040
 MAX RADIUS : 1.875
 CENTROID X : .084
 CENTROID Y : -.320

19 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/a6225330

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.12
 VS= 2.40
 GS= 3.15

3
 4
 8

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: RE00131891

Serial: C6225330 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 7/30/2007 10:54:52 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: A CO 1/10SF BN

A CO 1/10SF BN

Address 1: PANZER KASERNE

PANZER KASERNE

Address 2: APO

PO Box:

APO

PO Box:

City: W H O 9 A 0

W H O 9 A 0

State: AE

Zip Code: 09107

Country: IT

State: AE

Zip Code: 09107

Country: IT

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
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

7/30/2007

12:51 PM

CAPS

NUM

INS

SCRL

start

4 Micro...

6 Inter...

RAC0179...

Part Sear...

Arms Ser...

12:51 PM

Serial Number:

C6225330

Model: M24 SWS



RE00131891

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225330.___0
FILE DATE AND TIME: 09/27/2007 14:40

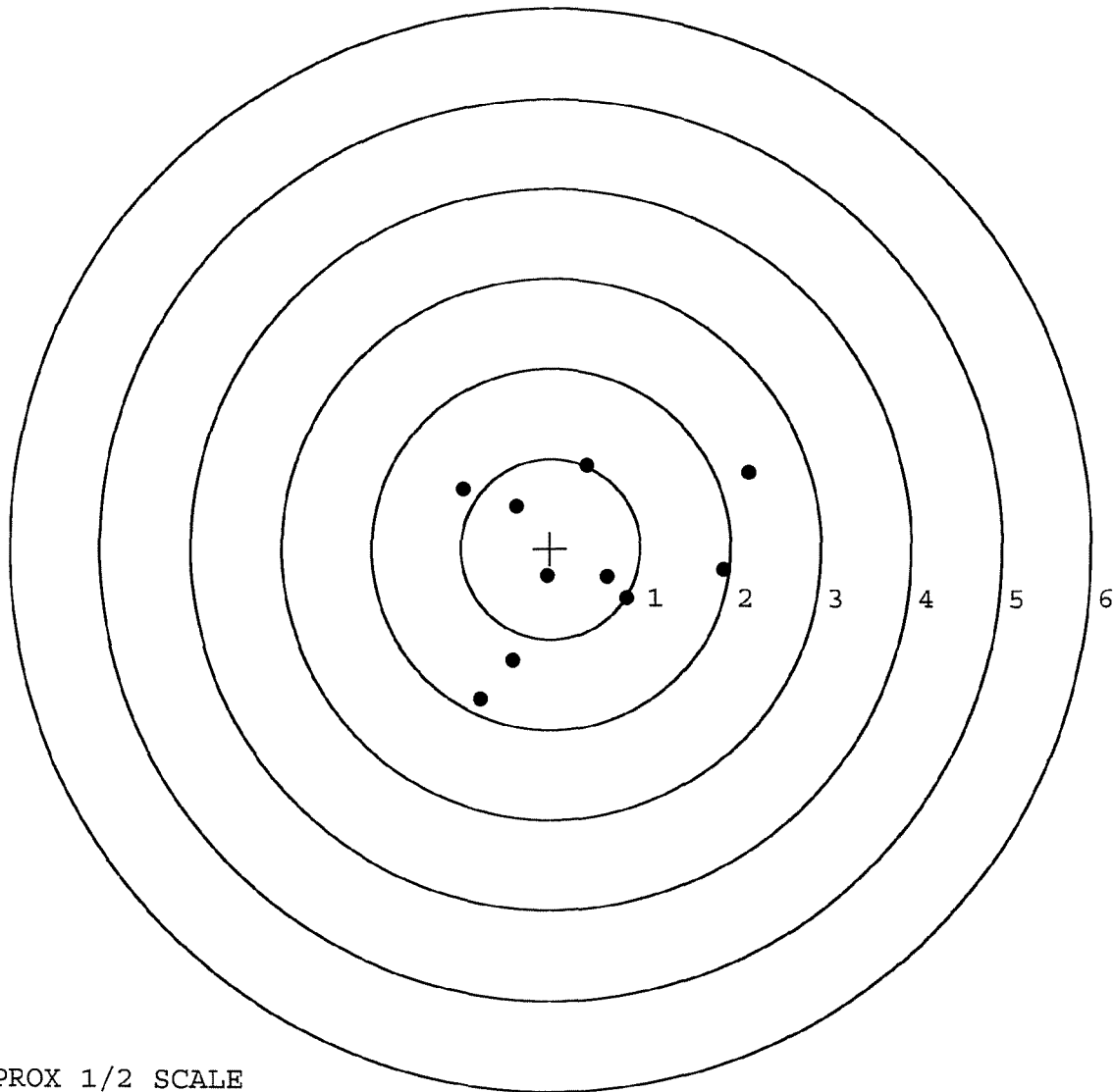
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.042
The Average Y Centroid of the Five Target Set:	-0.160
The Average Point of Impact of the Five Target Set:	0.166
The Average Mean Radius of the Five Target Set:	0.836
The Distance from POA to Centroid Target #1:	0.369
The Distance from Centroid Target #2 to Centroid Target #1:	0.491
The Distance from Centroid Target #3 to Centroid Target #1:	0.308
The Distance from Centroid Target #4 to Centroid Target #1:	0.508
The Distance from Centroid Target #5 to Centroid Target #1:	0.446

SERIAL NUMBER: C6225330. __0
 TARGET NUMBER: 1
 FILE DATE: 09/27/2007
 FILE TIME: 14:40

POINT#	X	Y
1:	2.199	0.852
2:	1.925	-0.234
3:	0.400	0.927
4:	-0.385	0.470
5:	-0.974	0.654
6:	-0.040	-0.311
7:	0.636	-0.319
8:	0.847	-0.558
9:	-0.420	-1.236
10:	-0.784	-1.661

X CENTROID: 0.340
 Y CENTROID: -0.142
 POA TO CENTROID: 0.369
 HORZ SPREAD: 3.173
 VERT SPREAD: 2.588
 GROUP SPREAD: 3.900
 MIN RADIUS: 0.345
 MAX RADIUS: 2.108
 MEAN RADIUS: 1.189
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 6



TARGET APPROX 1/2 SCALE

BARBER - M24 0012983

SERIAL NUMBER: C6225330. __0

TARGET NUMBER: 2

FILE DATE: 09/27/2007

FILE TIME: 14:40

POINT#	X	Y
1:	0.994	-0.577
2:	0.823	-0.633
3:	0.343	-0.785
4:	-0.385	-1.182
5:	0.042	-0.226
6:	-0.347	-0.253
7:	0.038	0.247
8:	0.271	0.816
9:	-1.325	0.123
10:	-1.668	-0.607

X CENTROID: -0.121

Y CENTROID: -0.308

POA TO CENTROID: 0.331

HORZ SPREAD: 2.662

VERT SPREAD: 1.998

GROUP SPREAD: 2.662

MIN RADIUS: 0.183

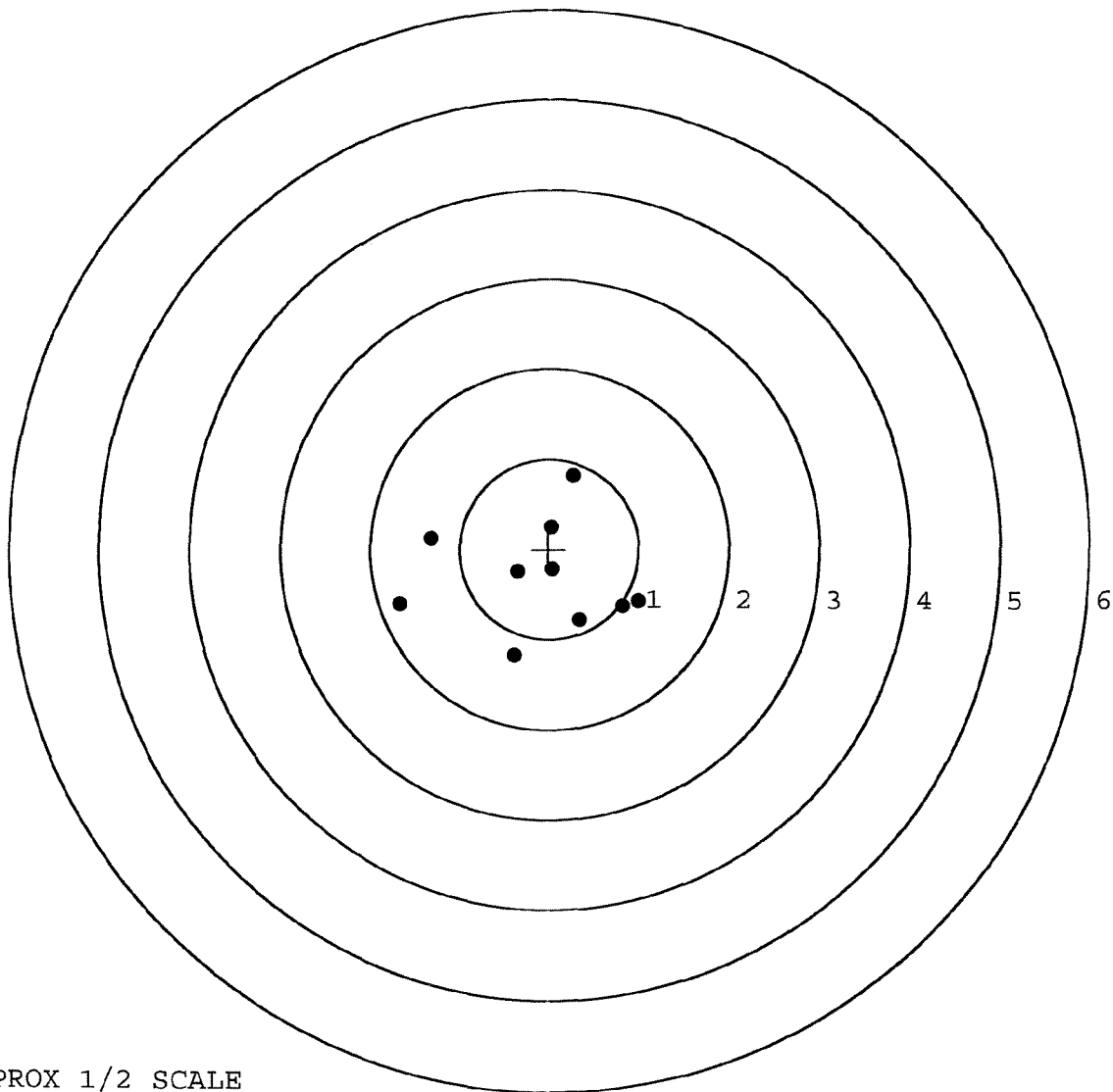
MAX RADIUS: 1.575

MEAN RADIUS: 0.876

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



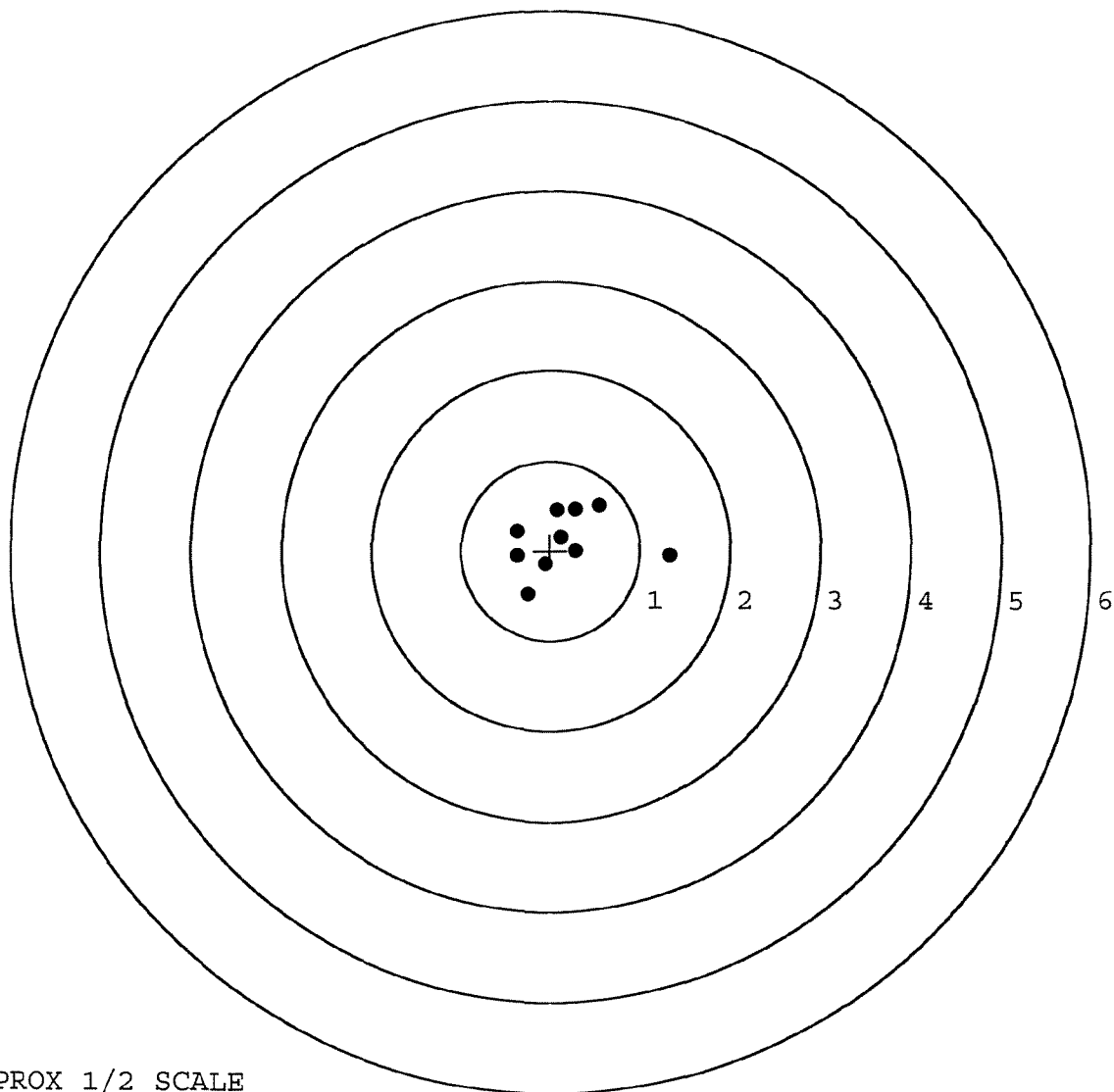
TARGET APPROX 1/2 SCALE

BARBER - M24 0012984

SERIAL NUMBER: C6225330. __0
 TARGET NUMBER: 3
 FILE DATE: 09/27/2007
 FILE TIME: 14:40

POINT#	X	Y
1:	0.546	0.510
2:	0.278	0.470
3:	0.074	0.461
4:	0.283	0.001
5:	0.119	0.154
6:	1.329	-0.056
7:	-0.057	-0.152
8:	-0.369	-0.061
9:	-0.250	-0.483
10:	-0.376	0.218

X CENTROID: 0.158
 Y CENTROID: 0.106
 POA TO CENTROID: 0.190
 HORZ SPREAD: 1.705
 VERT SPREAD: 0.993
 GROUP SPREAD: 1.727
 MIN RADIUS: 0.062
 MAX RADIUS: 1.182
 MEAN RADIUS: 0.487
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



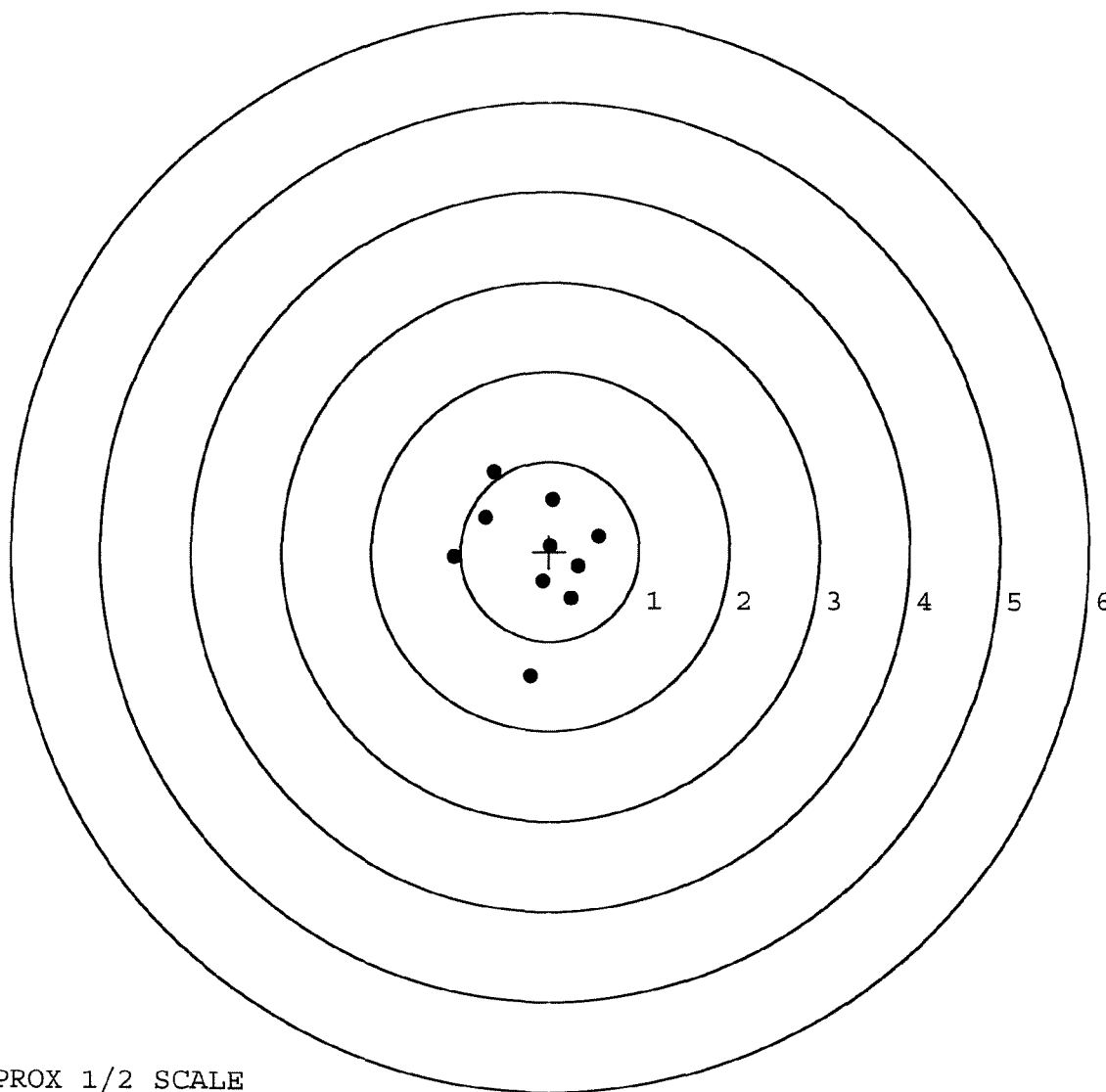
TARGET APPROX 1/2 SCALE

BARBER - M24 0012985

SERIAL NUMBER: C6225330. __0
 TARGET NUMBER: 4
 FILE DATE: 09/27/2007
 FILE TIME: 14:40

POINT#	X	Y
1:	-0.219	-1.387
2:	0.242	-0.525
3:	-0.077	-0.328
4:	0.322	-0.161
5:	0.008	0.064
6:	0.543	0.168
7:	0.038	0.585
8:	-0.633	0.880
9:	-0.722	0.376
10:	-1.073	-0.063

X CENTROID: -0.157
 Y CENTROID: -0.039
 POA TO CENTROID: 0.162
 HORZ SPREAD: 1.616
 VERT SPREAD: 2.267
 GROUP SPREAD: 2.304
 MIN RADIUS: 0.195
 MAX RADIUS: 1.349
 MEAN RADIUS: 0.700
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



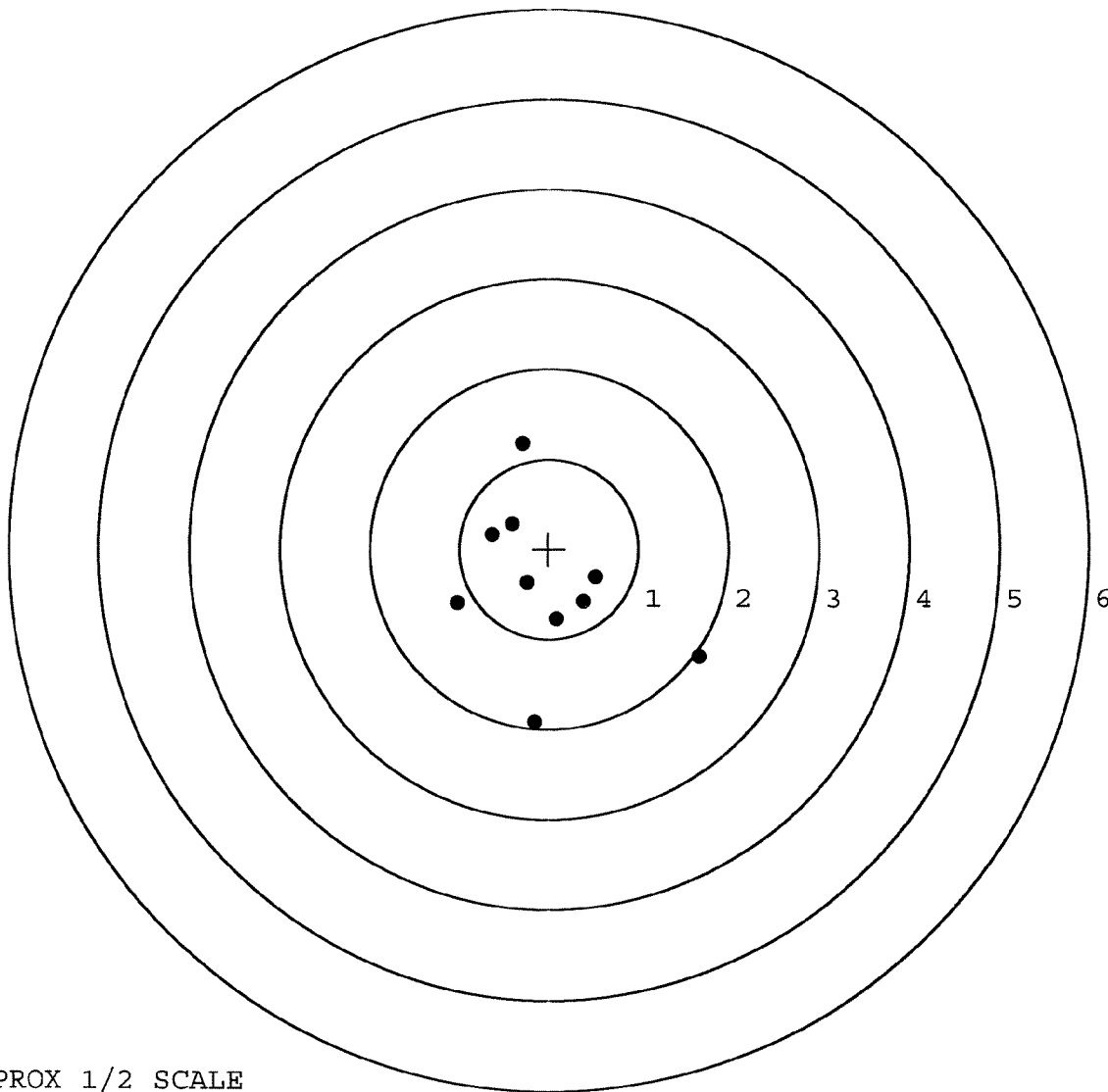
TARGET APPROX 1/2 SCALE

BARBER - M24 0012986

SERIAL NUMBER: C6225330. __0
 TARGET NUMBER: 5
 FILE DATE: 09/27/2007
 FILE TIME: 14:40

POINT#	X	Y
1:	1.673	-1.204
2:	-0.160	-1.932
3:	0.523	-0.314
4:	0.387	-0.590
5:	0.089	-0.786
6:	-0.241	-0.379
7:	-1.020	-0.606
8:	-0.639	0.165
9:	-0.411	0.282
10:	-0.296	1.178

X CENTROID: -0.010
 Y CENTROID: -0.419
 POA TO CENTROID: 0.419
 HORZ SPREAD: 2.693
 VERT SPREAD: 3.110
 GROUP SPREAD: 3.090
 MIN RADIUS: 0.235
 MAX RADIUS: 1.857
 MEAN RADIUS: 0.928
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

R & E NUMBER 131891SERIAL NUMBER C6225330LOG-IN DATE 7-30-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-12-07	RTZ
505	RE-BARREL	9-14-07	RTZ
560	ASSEMBLE	9-14-07	RTZ
600	PROOF	9-14-07	mm
605	CHECK HEADSPACE	9-14-07	mm
610	DIS-ASSEMBLE GUN	9-17-07	TRW
612	MAGNAFLUX	9-18-07	ARJ
510	DRILL AND TAP	9-17-07	TRW
615	ROLLMARK CALIBER	9-17-07	CW
618	ROTO-BLAST	9-18-07	CS
620	APPLY COATINGS	9-21-07	mm
625	FINAL ASSEMBLY	9-27-07	RTZ
640	FUNCTION TEST AND	9-28-07	TRW
650	TARGET	9-27-07	TRW
	MALFUNCTION <u>OH</u>	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-27-07	BWD
	A) HEADSPACE	10/2/07	mm
	B) TRIGGER PULL	10/2/07	mm
		252 274 287 283 287 10/1/07	mm
680	F) SAFETY ON FORCE	5.25 5.0 5.0 10/2/07	mm
	G) SAFETY OFF FORCE	3.5 3.25 3.0 10/2/07	mm
	I) FIRING PIN INDENT	.022 .022 .023 10/2/07	mm
690	PACK	10-4-07	DA