

C6523394

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00152584

Serial: C6523394 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/19/1990

Repairman:

Status: Closed 10/2/2008 3:02:40 PM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: 178TH INF BN

178TH INF BN

Address 1: HDQ, MDB BLDG A -6139

HDQ, MDB BLDG A -6139

Address 2: CORNER OF PRATT, GORHAM

PO Box:

CORNER OF PRATT, GORHAM

PO Box:

City: FT. BRAGG

FT. BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

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
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

negleij

10/3/2008

9:12 AM

CAPS

NUM

INS

SCAL

start

6 MI...

MY EX...

7 MI...

Misc PDF

2 SA...

Arms...

9:12 AM

Serial Number:

C6523394

Model: M24 SWS



RE00152584

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

R & E NUMBER 152584
SERIAL NUMBER C6523324
LOG-IN DATE 10-2-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	10-6-08	RTZ
505	RE-BARREL		
560	ASSEMBLE	10-7-08	SPD.
600	PROOF	10-7-08	SPD.
605	CHECK HEADSPACE	10-7-08	SPD.
610	DIS-ASSEMBLE GUN	10-7-08	SPD.
612	MAGNAFLUX	10/11/08	(K)
510	DRILL AND TAP	10-8-08	SP
615	ROLLMARK CALIBER	10/13/08	RT
618	ROTO-BLAST	10/13/08	
620	APPLY COATINGS	7	
625	FINAL ASSEMBLY	10/15	
640	FUNCTION TEST AND	10/17/08	SPD.
650	TARGET	10/17/08	SPD.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10-20-08	RTZ
	A) HEADSPACE	PASS	FAIL
	B) TRIGGER PULL	2.80 2.74 2.82 2.80 2.85	10-20-08 TC
680	F) SAFETY ON FORCE	4.5 4.5 5.0	10-20-08 SPD.
	G) SAFETY OFF FORCE	4.0 4.0 4.5	10-20-08 SPD.
	I) FIRING PIN INDENT	.022 .022 .022	10-20-08 SPD.
690	PACK		10/21/08 FM

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523394.___0
FILE DATE AND TIME: 10/20/2008 05:24

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.076
The Average Y Centroid of the Five Target Set:	0.048
The Average Point of Impact of the Five Target Set:	0.090
The Average Mean Radius of the Five Target Set:	0.873
The Distance from POA to Centroid Target #1:	0.111
The Distance from Centroid Target #2 to Centroid Target #1:	0.214
The Distance from Centroid Target #3 to Centroid Target #1:	0.062
The Distance from Centroid Target #4 to Centroid Target #1:	0.181
The Distance from Centroid Target #5 to Centroid Target #1:	0.044

SERIAL NUMBER: C6523394. 0

TARGET NUMBER: 1

FILE DATE: 10/20/2008

FILE TIME: 05:24

X CENTROID: -0.111

Y CENTROID: -0.008

POA TO CENTROID: 0.111

HORZ SPREAD: 1.449

VERT SPREAD: 1.785

GROUP SPREAD: 2.205

MIN RADIUS: 0.060

MAX RADIUS: 1.124

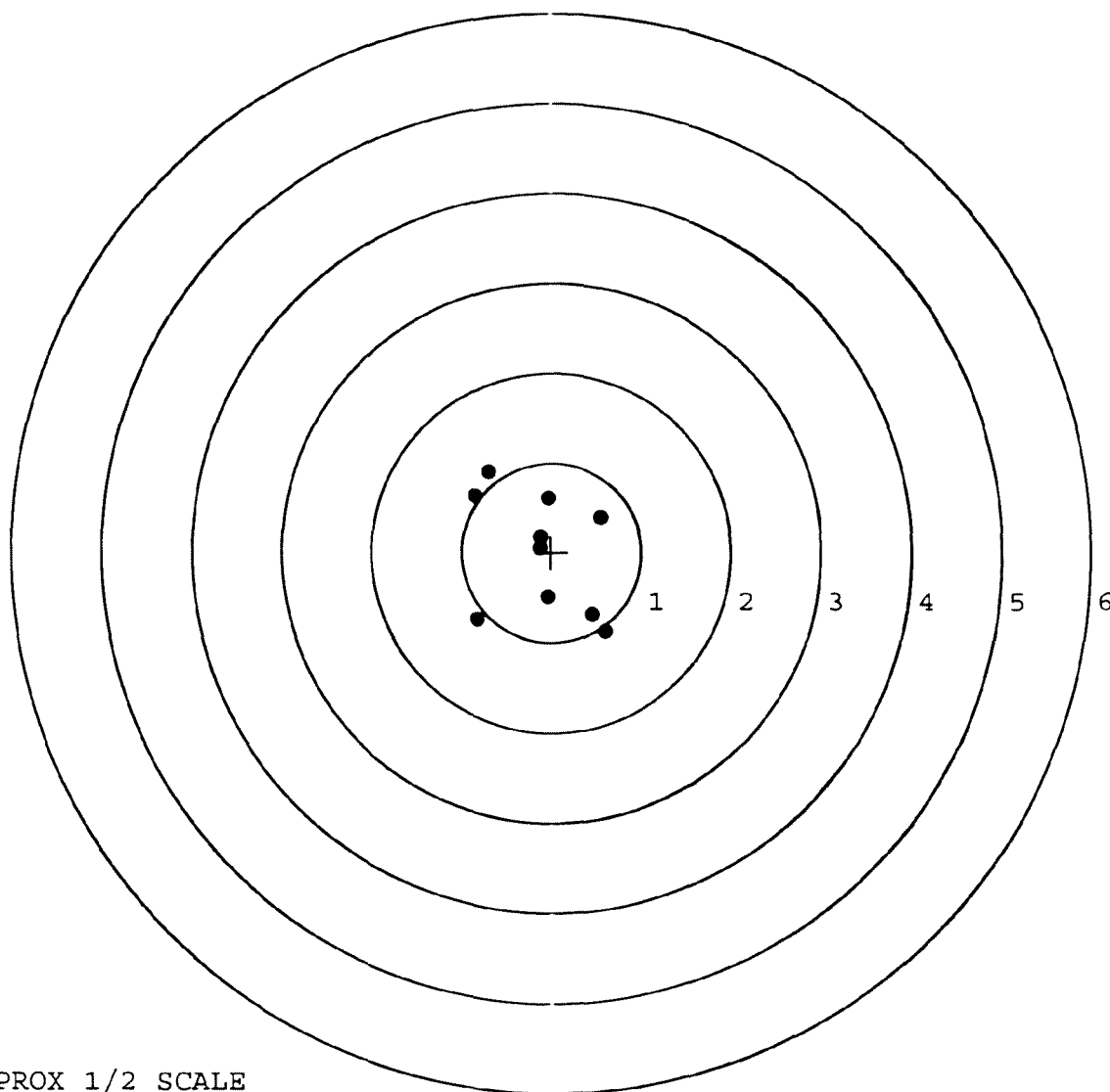
MEAN RADIUS: 0.724

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.697	0.904
2:	-0.852	0.627
3:	-0.828	-0.752
4:	0.597	-0.881
5:	0.452	-0.698
6:	0.547	0.393
7:	-0.041	-0.503
8:	-0.034	0.606
9:	-0.123	0.172
10:	-0.130	0.049



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523394. 0

TARGET NUMBER: 2

FILE DATE: 10/20/2008

FILE TIME: 05:24

X CENTROID: 0.098

Y CENTROID: 0.038

POA TO CENTROID: 0.105

HORZ SPREAD: 1.877

VERT SPREAD: 2.131

GROUP SPREAD: 2.541

MIN RADIUS: 0.381

MAX RADIUS: 1.388

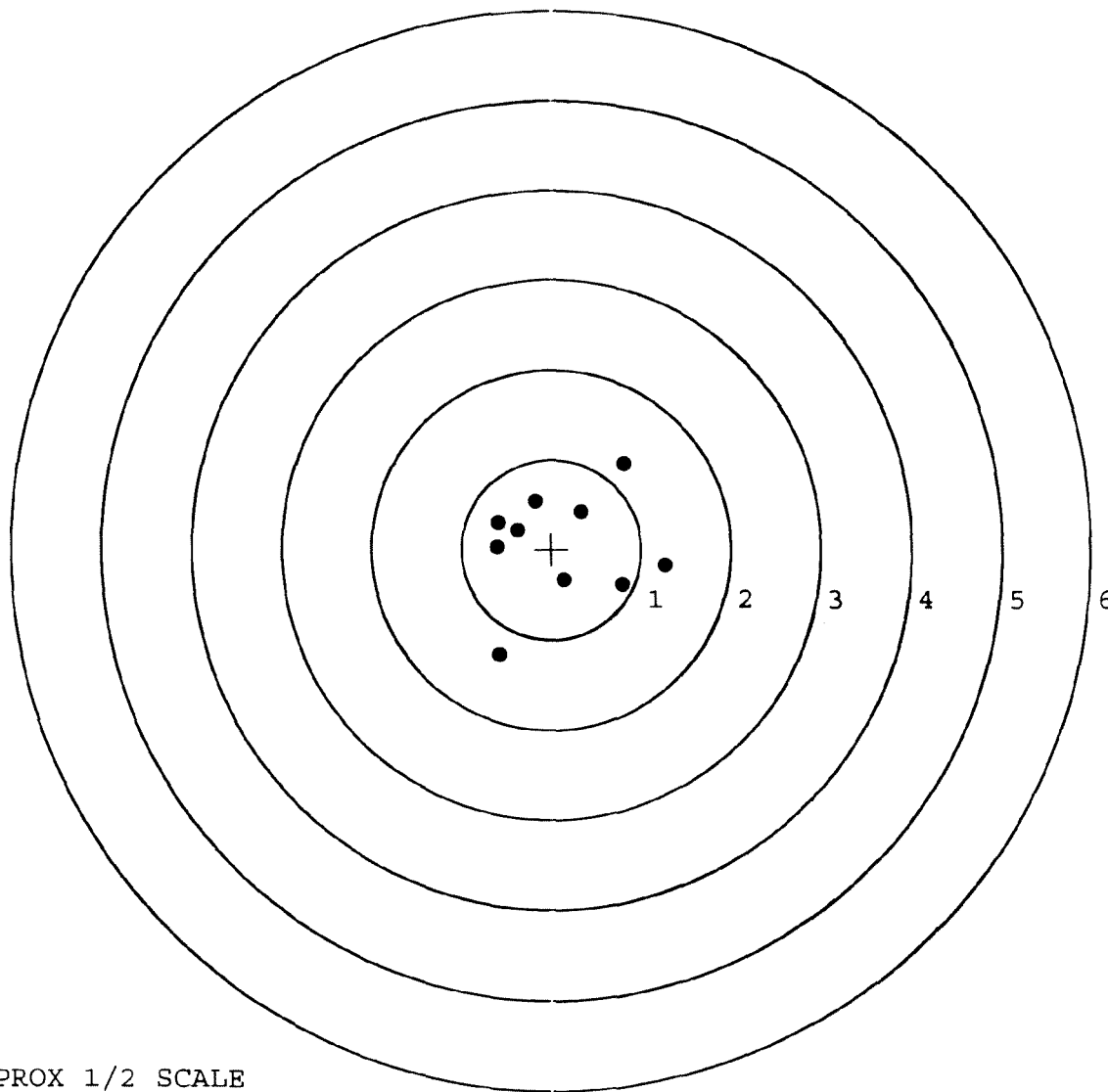
MEAN RADIUS: 0.792

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.582	-1.172
2:	0.802	0.959
3:	1.273	-0.186
4:	0.789	-0.389
5:	0.135	-0.341
6:	0.332	0.421
7:	-0.604	0.030
8:	-0.186	0.536
9:	-0.597	0.306
10:	-0.384	0.214



TARGET APPROX 1/2 SCALE

BARBER - M24 0027315

SERIAL NUMBER: C6523394. __0

TARGET NUMBER: 3

FILE DATE: 10/20/2008

FILE TIME: 05:24

POINT#	X	Y
1:	0.559	1.098
2:	0.629	0.677
3:	-0.153	0.611
4:	-0.523	0.519
5:	0.899	0.012
6:	-0.724	-0.789
7:	-0.204	-0.832
8:	-0.273	-0.593
9:	-0.685	-0.306
10:	-0.231	-0.013

X CENTROID: -0.071

Y CENTROID: 0.038

POA TO CENTROID: 0.080

HORZ SPREAD: 1.623

VERT SPREAD: 1.930

GROUP SPREAD: 2.282

MIN RADIUS: 0.168

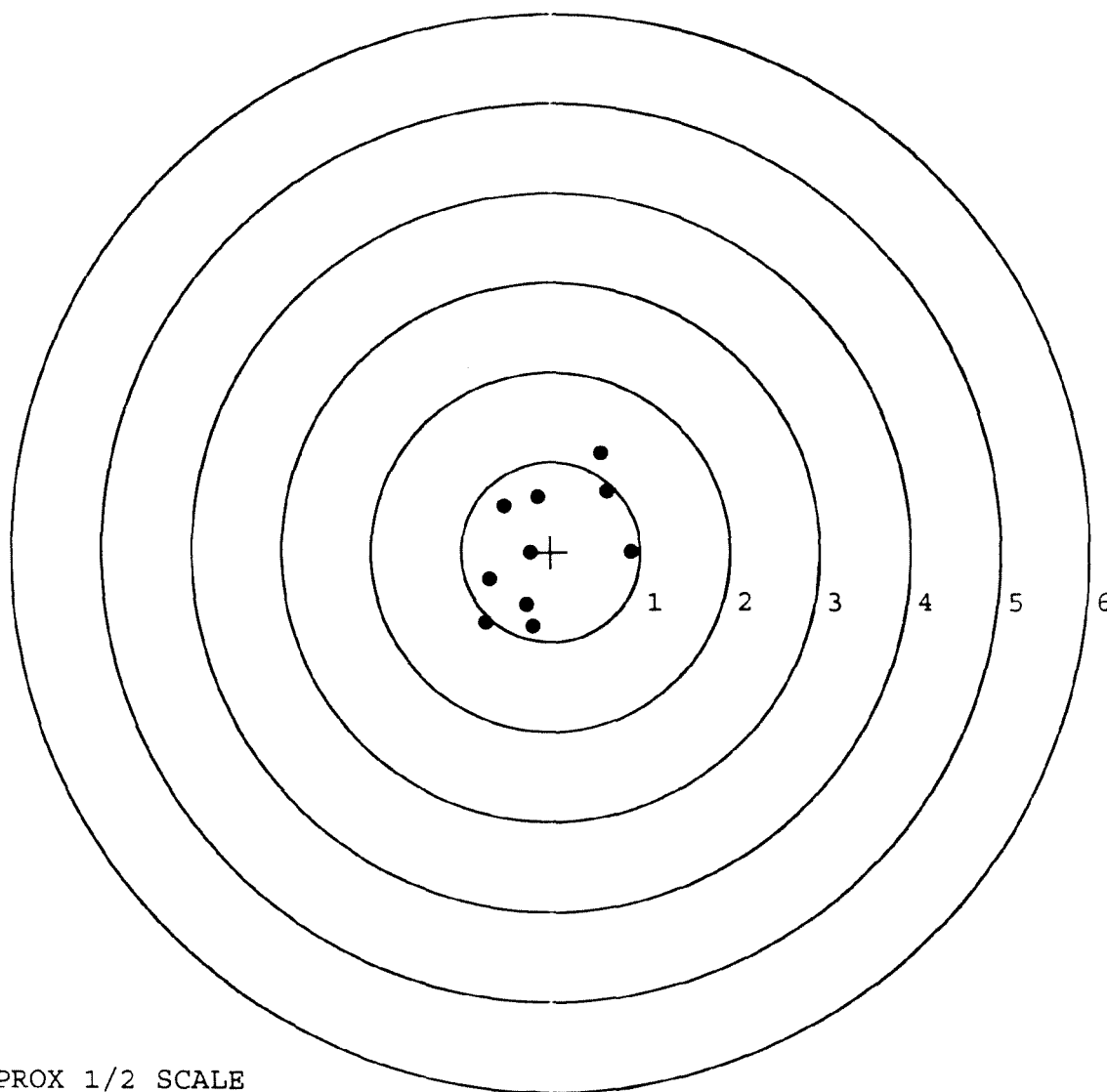
MAX RADIUS: 1.233

MEAN RADIUS: 0.786

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0027316

SERIAL NUMBER: C6523394. __0

TARGET NUMBER: 4

FILE DATE: 10/20/2008

FILE TIME: 05:24

POINT#	X	Y
1:	-0.331	1.747
2:	-0.878	-1.080
3:	-0.676	-0.433
4:	-0.020	-0.621
5:	0.411	-0.926
6:	-0.856	0.889
7:	-0.187	0.800
8:	0.137	0.916
9:	0.648	-0.009
10:	-0.334	0.155

X CENTROID: -0.209

Y CENTROID: 0.144

POA TO CENTROID: 0.253

HORZ SPREAD: 1.526

VERT SPREAD: 2.827

GROUP SPREAD: 2.879

MIN RADIUS: 0.126

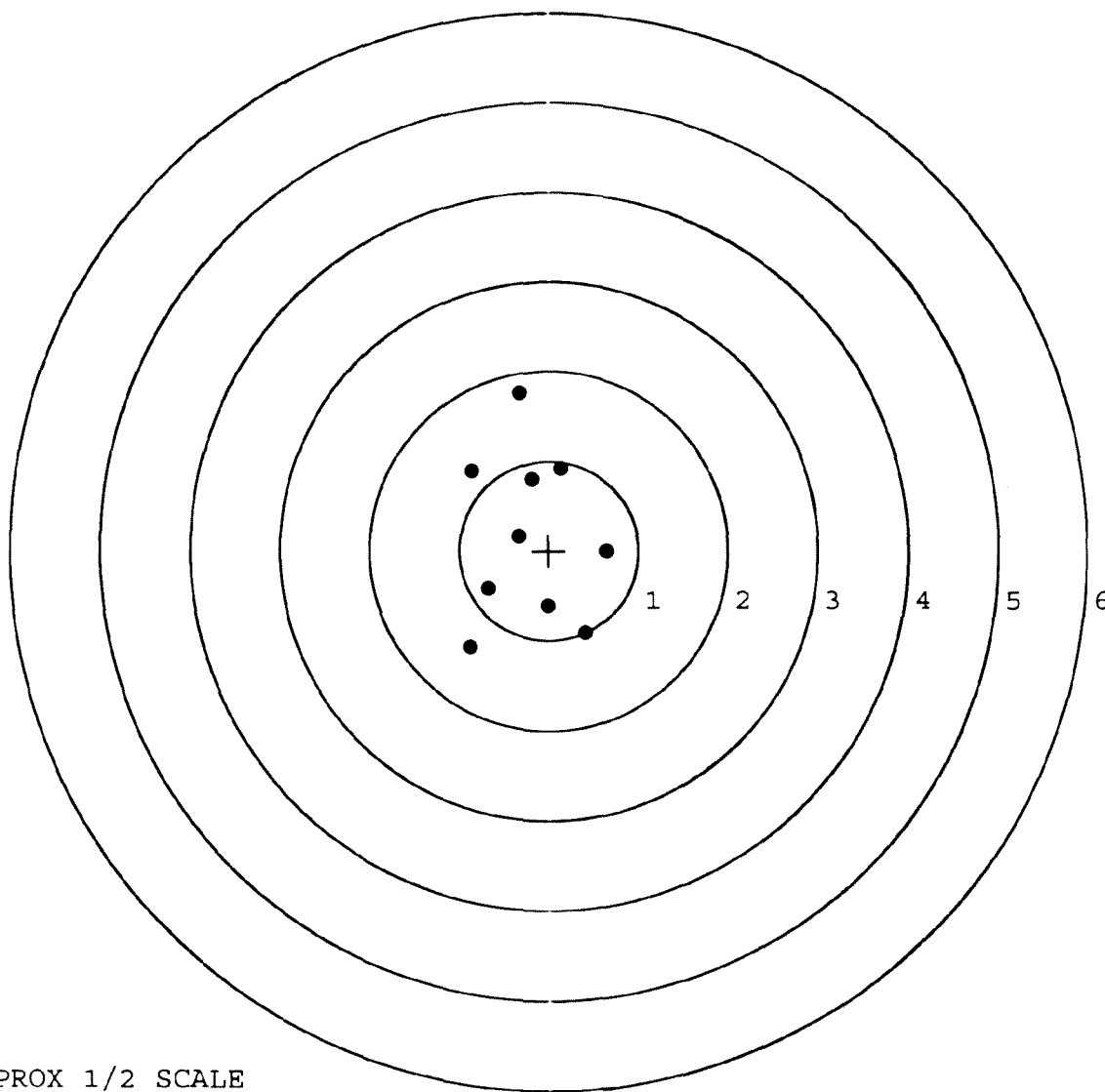
MAX RADIUS: 1.608

MEAN RADIUS: 0.925

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



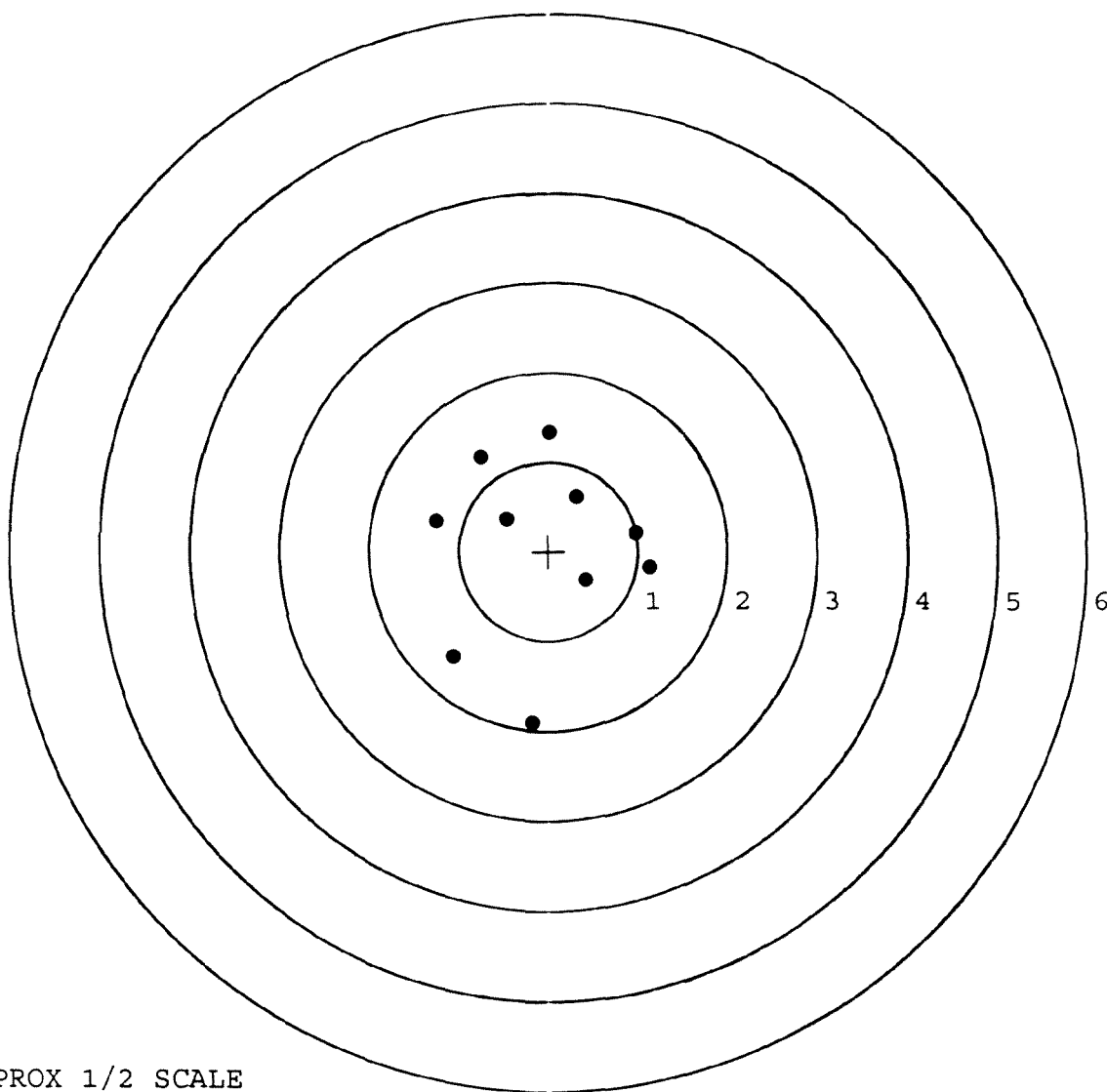
TARGET APPROX 1/2 SCALE

BARBER - M24 0027317

SERIAL NUMBER: C6523394. __0
 TARGET NUMBER: 5
 FILE DATE: 10/20/2008
 FILE TIME: 05:24

POINT#	X	Y
1:	-0.185	-1.908
2:	-1.061	-1.177
3:	-1.252	0.332
4:	-0.750	1.047
5:	0.010	1.331
6:	-0.473	0.358
7:	0.976	0.210
8:	1.134	-0.184
9:	0.415	-0.328
10:	0.313	0.606

X CENTROID: -0.087
 Y CENTROID: 0.029
 POA TO CENTROID: 0.092
 HORZ SPREAD: 2.386
 VERT SPREAD: 3.239
 GROUP SPREAD: 3.245
 MIN RADIUS: 0.507
 MAX RADIUS: 1.939
 MEAN RADIUS: 1.136
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

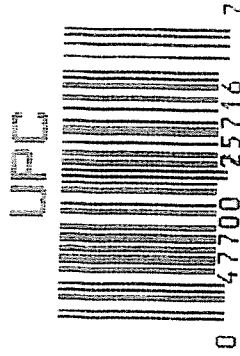
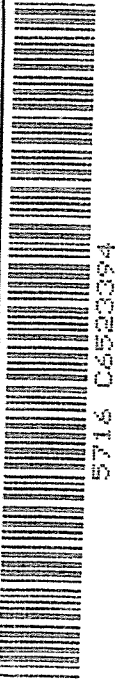
MODEL 700™ H24

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.

SERIAL NO. C6523394	ORDER NO. 5716
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01



M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523 394

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 24	90	RW
600	Proof	9 24	90	RW
607	Check Headspace	9 24	90	RW
610	Dis-assemble Gun	9 24	90	RW
612	Magnaflux Barrel Action		9-25-90	KR
	Magnaflux Bolt		9-25-90	KR
615	Rollmark Caliber		9-25-90 G.S.	
617	Drill and Tap Sight Holes		9-25-9	FB
618	Polish Barrel RB		9/24/90	WB
620	Apply Coatings (Barrel Action)		10-2-90	TA
	Apply Coating (Bolt)		10-2-90	TA
625	Final Assembly A) Clean inside of Bolt Assembly		10/9/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/9/90	RW
	C) Inspect Ejector Hole for Chamfer		10/9/90	RW
	D) Oil Firing Pin Ass'y		10/9/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/1/90	JK

op. #	OP. NAME	READINGS			DATE	INIT		
625 nt.	F) Safety On Force	4 $\frac{3}{4}$	4 $\frac{3}{4}$	4 $\frac{3}{4}$	11/1/90	WB		
	G) Safety Off Force	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	11/1/90	WB		
	H) Trigger Pull Test & Retainability				11/1/90	MM		
	I) Firing Pin Indent	1022	1022	1022	11/1/90	WB		
	J) Assemble Stock				11/1/90	RW		
	K) Assemble Swivel Studs				11/1/90	RW		
	L) Attach Front and Rear Sight Assemblies				11/1/90	RW		
	M) Iron Sight Alignment				11/1/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				11/1/90	RW		
	O) Attach Scope to Rifle				11/1/90	RW		
	P) Detach & Attach Scope 20 Times				11/1/90	RW		
640	Gallery Target & Test				11-2-90	AC		
	A) Time				11-2-90	AC		
	B) Malfunctions				11-2-90	AC		
	C) Pierced Primers				11-2-90	AC		
	D) Optical Clarity of Scope				11-2-90	AC		
645	Inspect for Live Ammo				11-2-90	AC		
655	Final Inspection							
	A) Headspace				11/19/90	JS		
	B) Trigger Pull	253	255	254	255	260	11/19/90	JS
	C) Function						11/19/90	JS
660	Pack						12/18/90	RF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523394

DATE 11/1/90

TESTER JRP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.20	2.23	253	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.20	2.19	255	
PULL #3	2.24	2.35	2.20	254	
PULL #4	2.20	2.24	2.24	255	
PULL #5	2.38	2.18	2.25	260	
TOTAL	11.4	11.17	11.11		
AVG.	2.28	2.234	2.222		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.50		
PULL #2	3.35	3.30		
PULL #3	3.31	3.24		
PULL #4	3.17	3.13		
PULL #5	3.23	3.13		
TOTAL	16.38	16.3		
AVG.	3.276	3.26		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.18		4.12
PULL #2	4.37	4.20		4.08
PULL #3	4.36	4.13		4.10
PULL #4	4.17	4.16		4.19
PULL #5	4.21	4.23		4.26
TOTAL	21.42	20.89		20.75
AVG.	4.284	4.178		4.15

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523394
2 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.104561
1 TO	2	.0840238
1 TO	3	.0698355
1 TO	4	.265068
1 TO	5	.095352

48 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0018
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0308
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0308526
THE AMR FOR THIS RIFLE IS: .9842

2 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523394

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 7

CENTROID #

HS= 2.656

VS= 2.659

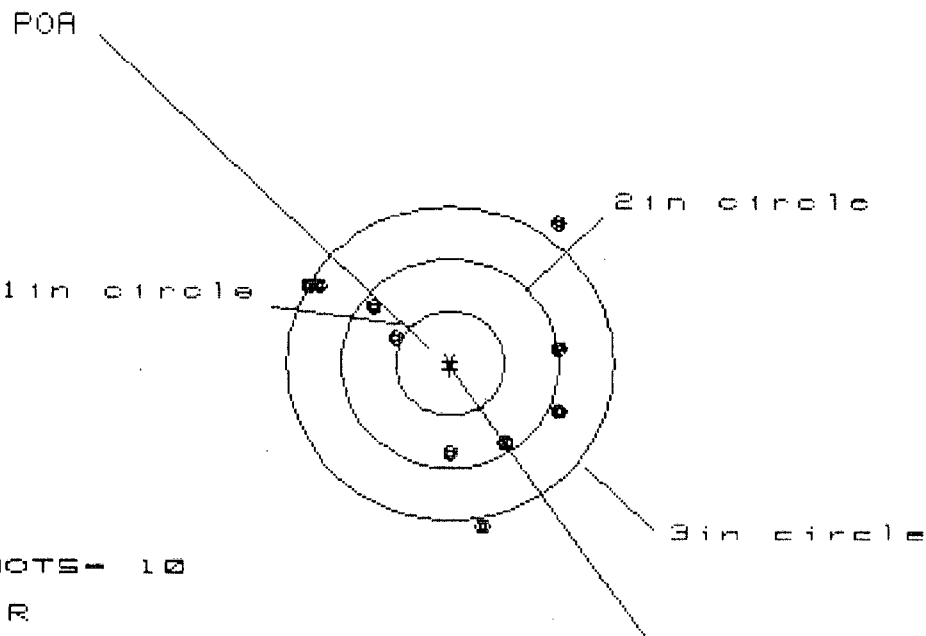
GS= 3.311

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.362	1.014	.871
MINIMUM X	-1.294	-1.142	-.529
MAXIMUM Y	1.453	1.319	1.398
MINIMUM Y	-1.206	-1.244	-1.165
CENTROID X	.087	-.065	.078
CENTROID Y	.058	.192	.113
POA TO CENTROID in.	.104	.203	.137
MIN RADIUS	.093	.127	.087
MEAN RADIUS	.965	.872	.796
MAX RADIUS	1.820	1.352	1.446
HORIZONTAL SPREAD	2.656	2.156	1.400
VERTICAL SPREAD	2.659	2.563	2.563
EXTREME SPREAD	3.311	2.568	2.568
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

2 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06523394

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 2.309

VS= 2.925

GS= 2.996

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.024	1.131	1.185
MINIMUM X	:	-1.285	-1.178	-1.124
MAXIMUM Y	:	1.345	.851	.672
MINIMUM Y	:	-1.580	-1.430	-.901
CENTROID X	:	.003	-.104	-.158
CENTROID Y	:	.056	-.094	.085
POA TO CENTROID in.	:	.056	.140	.180
MIN RADIUS	:	.590	.591	.435
MEAN RADIUS	:	1.154	1.084	1.018
MAX RADIUS	:	1.658	1.494	1.306
HORIZONTAL SPREAD	:	2.309	2.309	2.309
VERTICAL SPREAD	:	2.925	2.281	1.573
EXTREME SPREAD	:	2.996	2.786	2.536
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

2 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523394

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 10

HS = 2.254

VS = 1.907

GS = 2.424

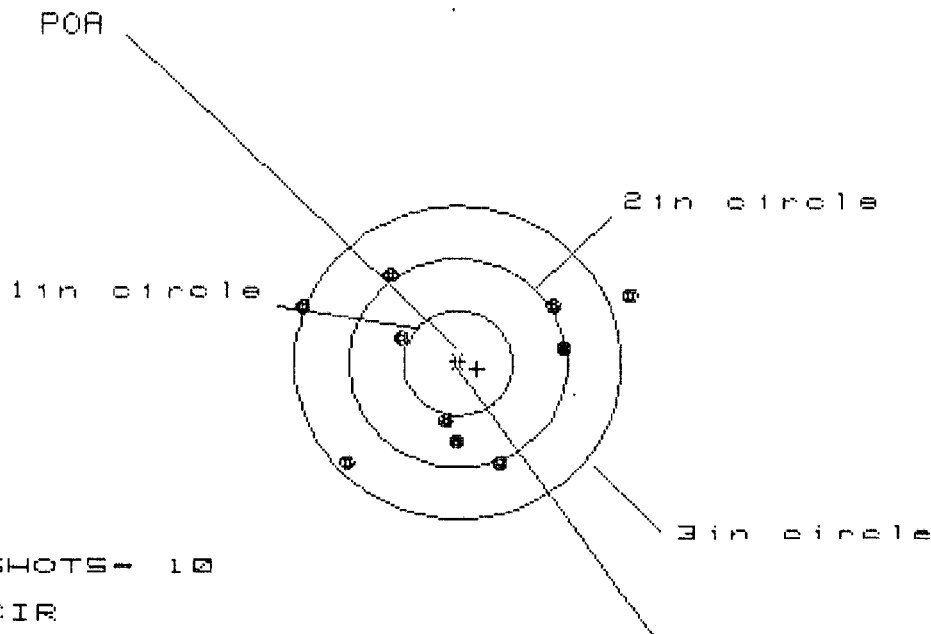
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.190	1.319	1.461
MINIMUM X	:	-1.064	-.935	-.793
MAXIMUM Y	:	.866	.779	.813
MINIMUM Y	:	-1.041	-1.128	-1.030
CENTROID X	:	.026	-.103	-.245
CENTROID Y	:	.024	.111	.013
POA TO CENTROID in.	:	.036	.151	.245
MIN RADIUS	:	.087	.069	.202
MEAN RADIUS	:	.949	.864	.775
MAX RADIUS	:	1.398	1.377	1.471
HORIZONTAL SPREAD	:	2.254	2.254	2.254
VERTICAL SPREAD	:	1.907	1.907	1.843
EXTREME SPREAD	:	2.424	2.414	2.262
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

2 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523394

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 8

HS= 3.016

VS= 1.809

GS= 3.095

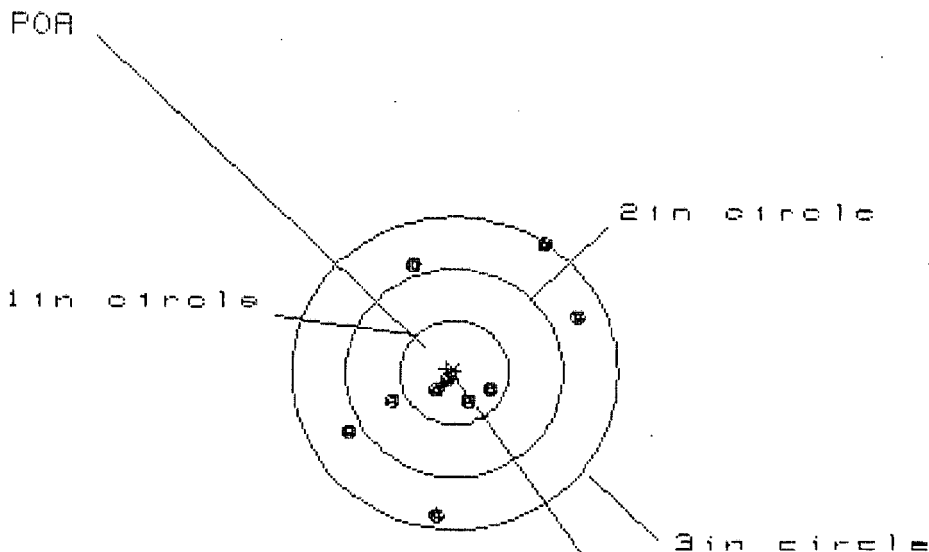
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.598	1.164	1.009
MINIMUM X	:	-1.418	-1.241	-1.032
MAXIMUM Y	:	.891	.967	1.046
MINIMUM Y	:	-.918	-.842	-.763
CENTROID X	:	-.178	-.355	-.200
CENTROID Y	:	.052	-.024	-.103
POA TO CENTROID in.	:	.185	.356	.225
MIN RADIUS	:	.544	.446	.390
MEAN RADIUS	:	1.067	.969	.900
MAX RADIUS	:	1.736	1.393	1.283
HORIZONTAL SPREAD	:	3.016	2.405	2.041
VERTICAL SPREAD	:	1.809	1.809	1.809
EXTREME SPREAD	:	3.095	2.436	2.436
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

2 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523394

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 4

2in = 5

3in = 10

HS = 2.081

VS = 2.639

GS = 2.799

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.105	1.191	1.183
MINIMUM X	-.977	-.890	-.898
MAXIMUM Y	1.254	1.162	1.006
MINIMUM Y	-1.385	-1.245	-.537
CENTROID X	.071	-.015	-.007
CENTROID Y	-.036	-.176	-.020
POA TO CENTROID in.	.080	.176	.021
MIN RADIUS	.156	.038	.130
MEAN RADIUS	.786	.662	.620
MAX RADIUS	1.478	1.353	1.279
HORIZONTAL SPREAD	2.081	2.081	2.081
VERTICAL SPREAD	2.639	2.407	1.543
EXTREME SPREAD	2.799	2.421	2.318
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	