

C6594572

MODEL 760™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Serial Number: C6594572

Model: 700



RE00038548

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594572.___0
FILE DATE AND TIME: 01/11/2002 04:00

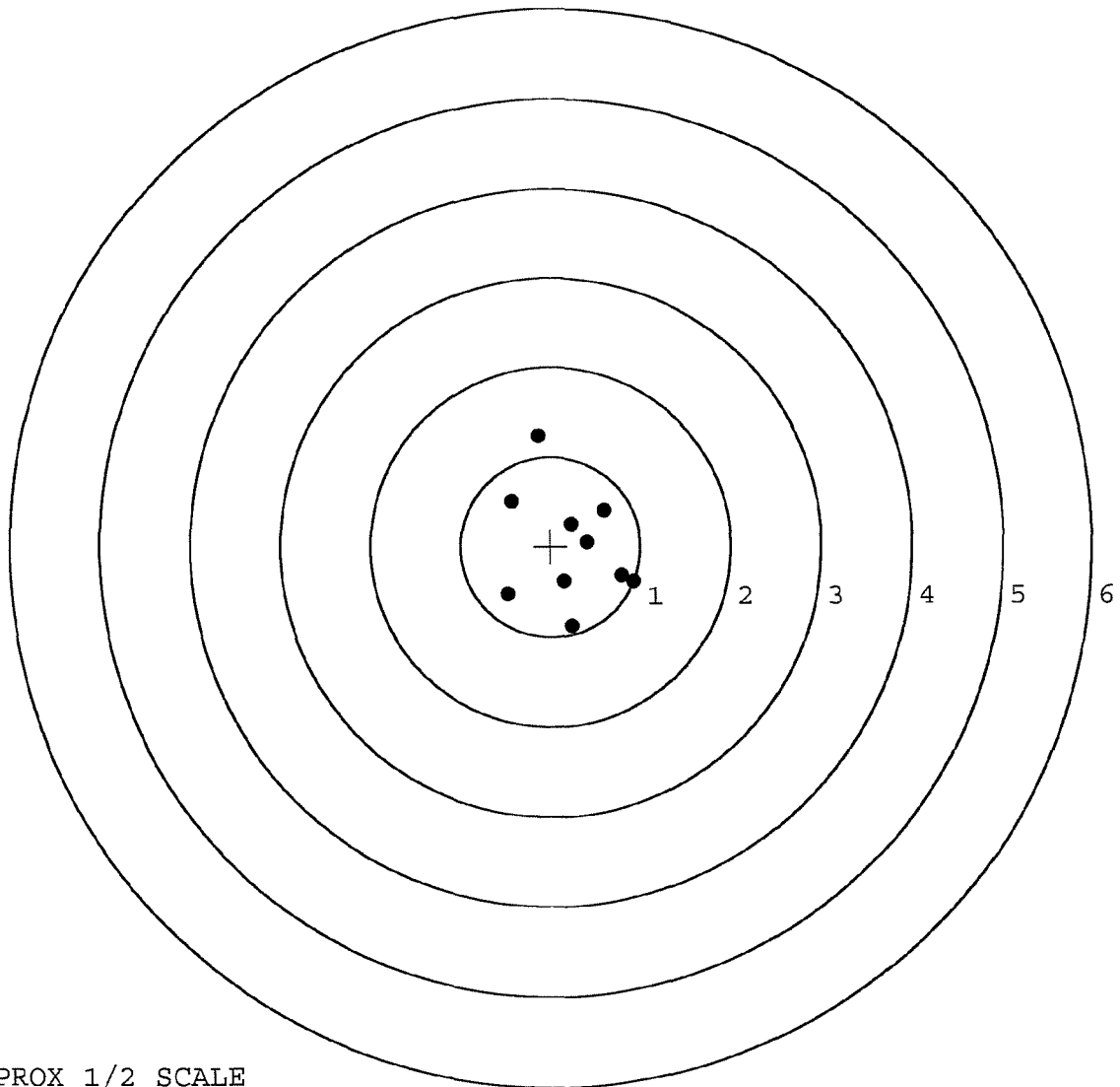
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.101
The Average Y Centroid of the Five Target Set:	0.114
The Average Point of Impact of the Five Target Set:	0.152
The Average Mean Radius of the Five Target Set:	0.871
The Distance from POA to Centroid Target #1:	0.228
The Distance from Centroid Target #2 to Centroid Target #1:	0.551
The Distance from Centroid Target #3 to Centroid Target #1:	0.216
The Distance from Centroid Target #4 to Centroid Target #1:	0.180
The Distance from Centroid Target #5 to Centroid Target #1:	0.141

SERIAL NUMBER: C6594572. __0
 TARGET NUMBER: 1
 FILE DATE: 01/11/2002
 FILE TIME: 04:00

X CENTROID: 0.228
 Y CENTROID: -0.007
 POA TO CENTROID: 0.228
 HORZ SPREAD: 1.406
 VERT SPREAD: 2.110
 GROUP SPREAD: 2.143
 MIN RADIUS: 0.188
 MAX RADIUS: 1.290
 MEAN RADIUS: 0.671
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.482	-0.528
2:	0.147	-0.385
3:	0.238	-0.880
4:	0.924	-0.393
5:	0.408	0.048
6:	0.594	0.406
7:	0.232	0.252
8:	-0.435	0.503
9:	-0.136	1.230
10:	0.789	-0.324



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594572. __0

TARGET NUMBER: 2

FILE DATE: 01/11/2002

FILE TIME: 04:00

X CENTROID: -0.117

Y CENTROID: 0.422

POA TO CENTROID: 0.438

HORZ SPREAD: 1.588

VERT SPREAD: 2.649

GROUP SPREAD: 2.872

MIN RADIUS: 0.142

MAX RADIUS: 1.930

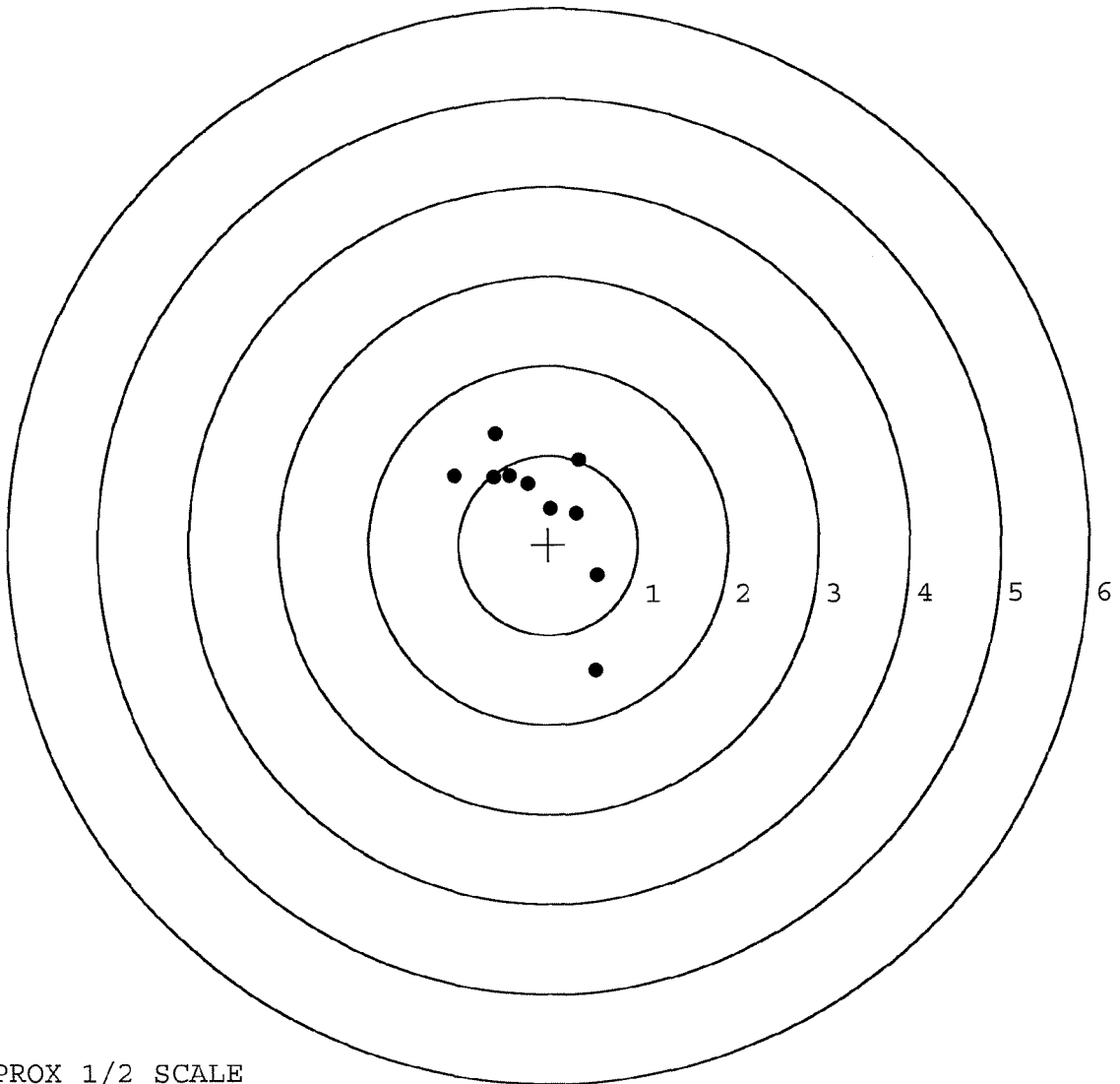
MEAN RADIUS: 0.753

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.523	-1.398
2:	0.542	-0.345
3:	0.341	0.956
4:	0.308	0.356
5:	0.024	0.406
6:	-0.230	0.682
7:	-0.440	0.776
8:	-0.610	0.766
9:	-0.587	1.251
10:	-1.046	0.772

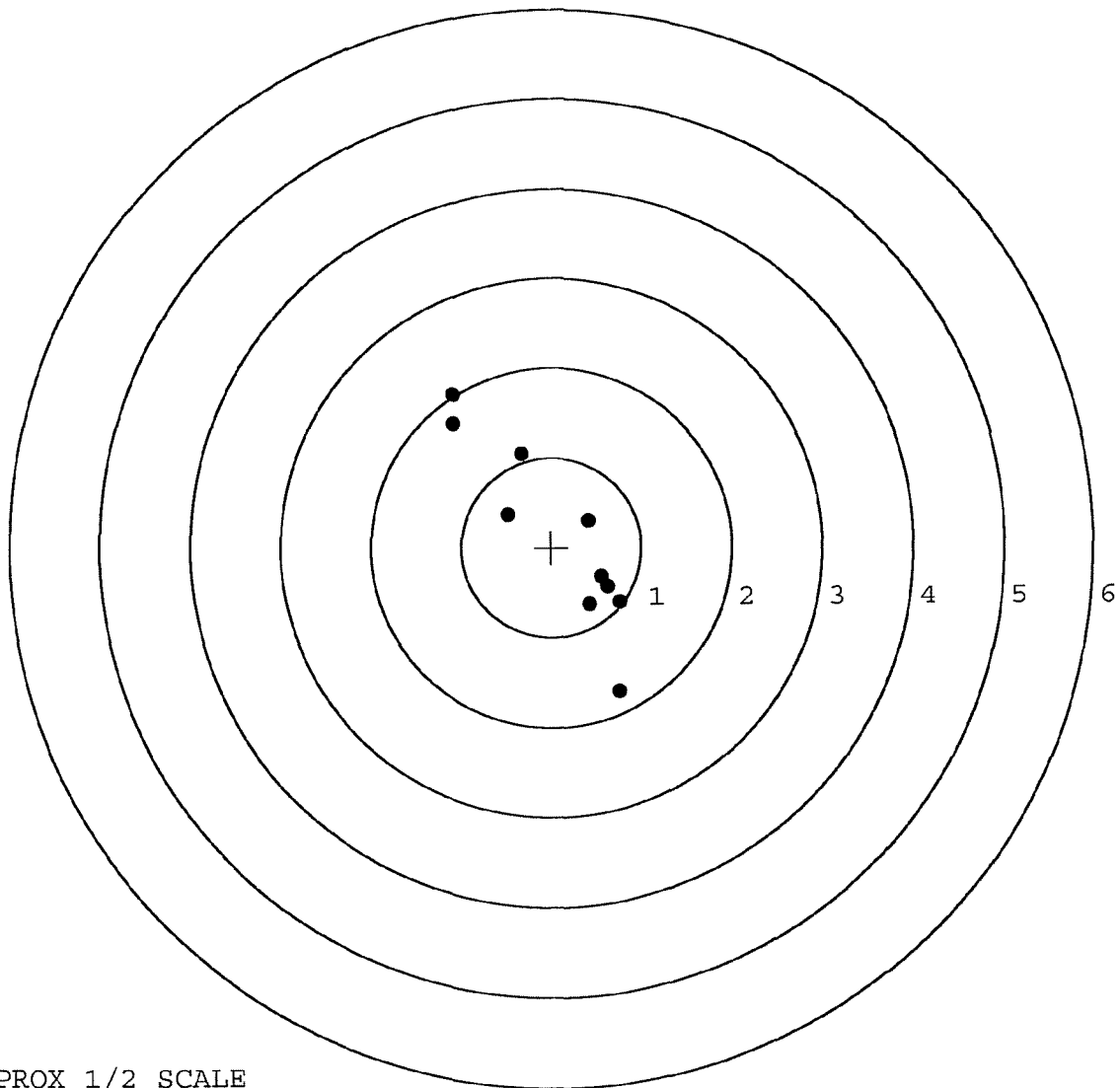


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594572. 0
 TARGET NUMBER: 3
 FILE DATE: 01/11/2002
 FILE TIME: 04:00

X CENTROID: 0.052
 Y CENTROID: 0.119
 POA TO CENTROID: 0.130
 HORZ SPREAD: 1.848
 VERT SPREAD: 3.308
 GROUP SPREAD: 3.785
 MIN RADIUS: 0.405
 MAX RADIUS: 1.957
 MEAN RADIUS: 1.083
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.747	-1.602
2:	0.422	-0.638
3:	0.756	-0.610
4:	0.558	-0.321
5:	0.413	0.303
6:	-0.487	0.372
7:	-0.330	1.041
8:	-1.090	1.374
9:	-1.092	1.706
10:	0.625	-0.436



TARGET APPROX 1/2 SCALE

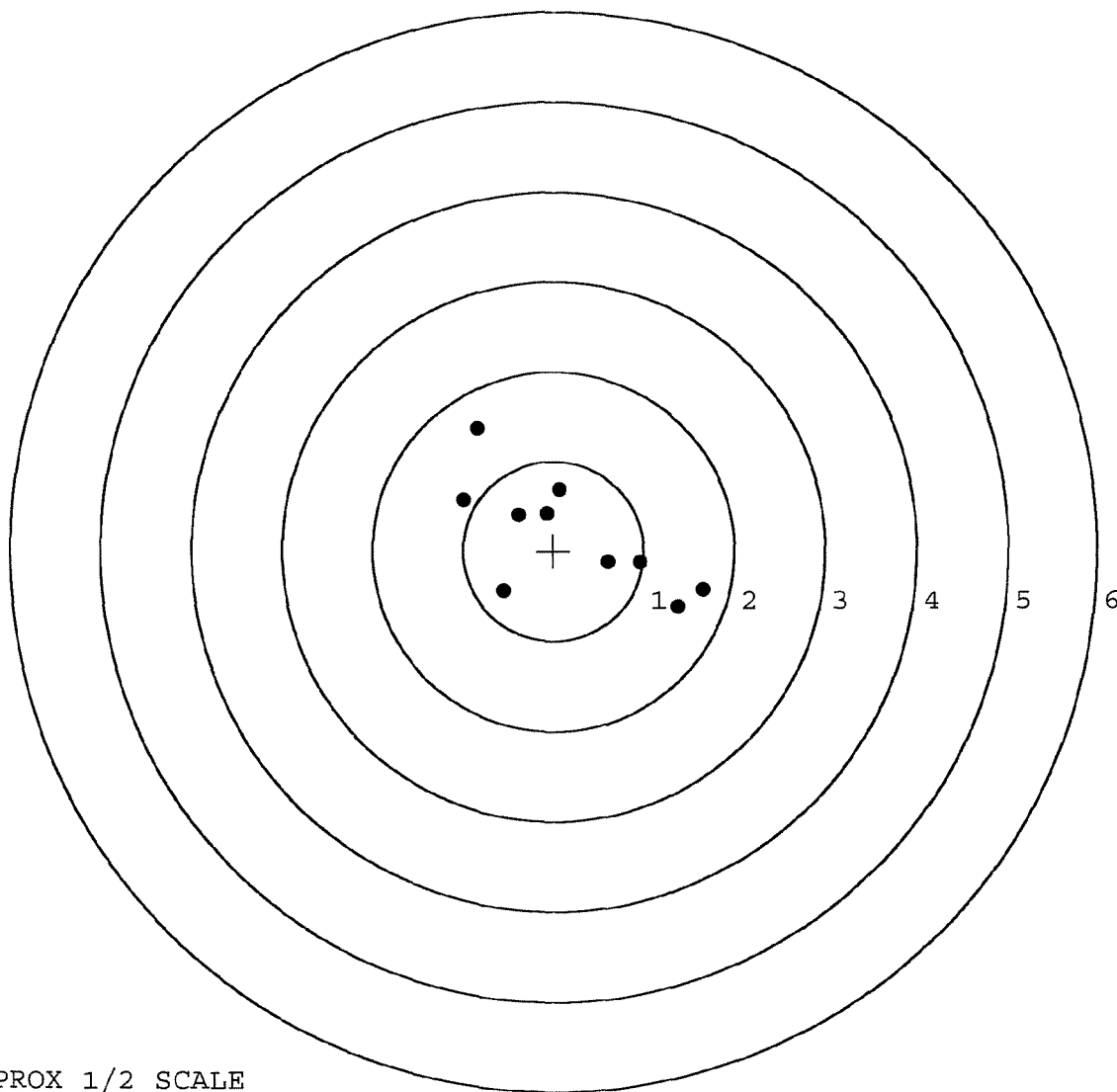
SERIAL NUMBER: C6594572. __0

TARGET NUMBER: 4

FILE DATE: 01/11/2002

FILE TIME: 04:00

	POINT#	X	Y
	1:	-0.555	-0.449
	2:	-1.000	0.564
	3:	-0.845	1.370
	4:	-0.391	0.394
X CENTROID:	5:	-0.075	0.417
Y CENTROID:	6:	0.068	0.681
POA TO CENTROID:	7:	0.613	-0.126
HORZ SPREAD:	8:	0.961	-0.129
VERT SPREAD:	9:	1.378	-0.625
GROUP SPREAD:	10:	1.659	-0.434
MIN RADIUS:		0.359	
MAX RADIUS:		1.595	
MEAN RADIUS:		0.967	
# IN 1 IN DIAMETER:		1	
# IN 2 IN DIAMETER:		6	
# in 3 IN DIAMETER:		8	

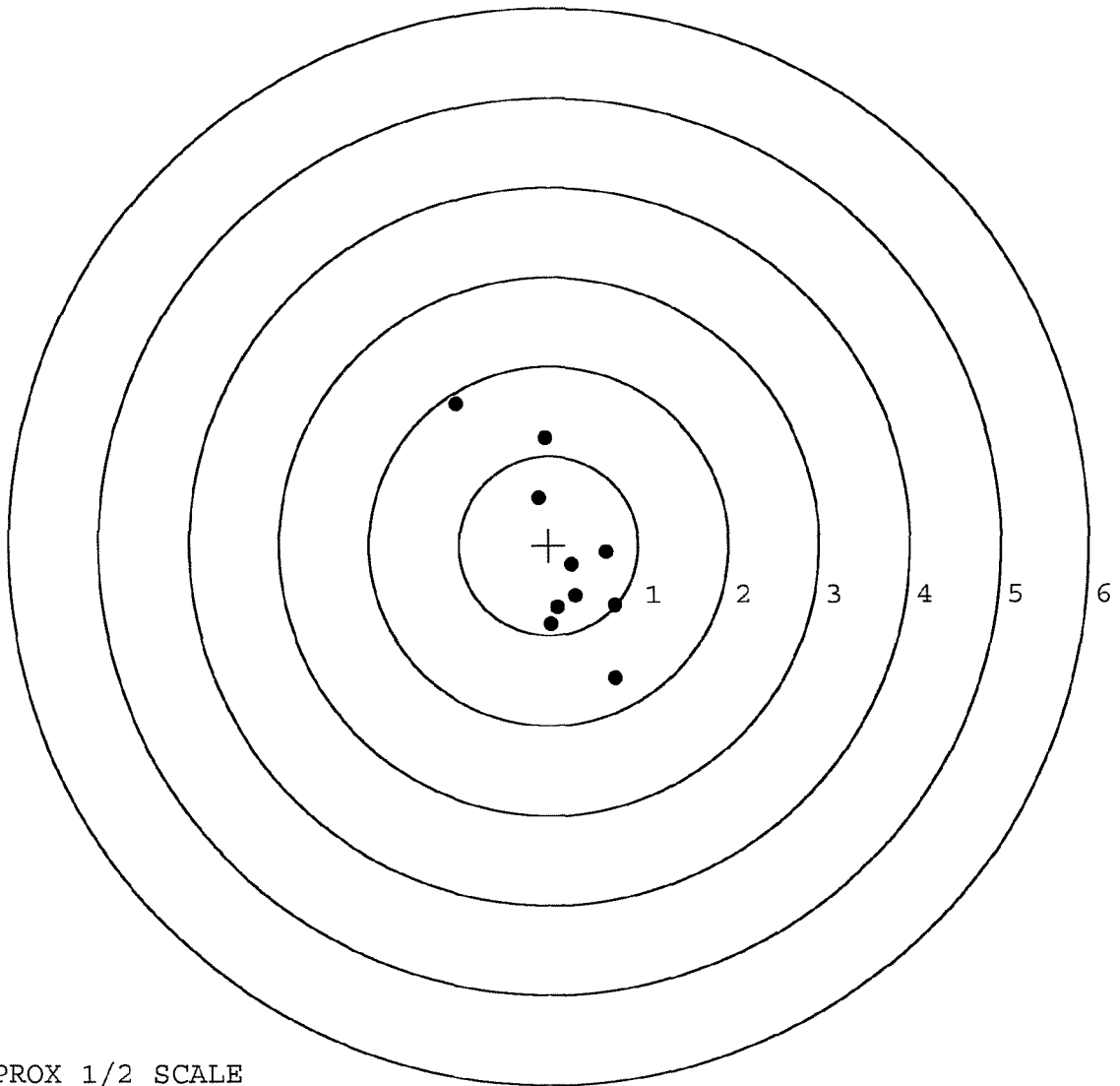


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594572. __0
 TARGET NUMBER: 5
 FILE DATE: 01/11/2002
 FILE TIME: 04:00

X CENTROID: 0.159
 Y CENTROID: -0.130
 POA TO CENTROID: 0.205
 HORZ SPREAD: 1.779
 VERT SPREAD: 3.054
 GROUP SPREAD: 3.534
 MIN RADIUS: 0.131
 MAX RADIUS: 2.077
 MEAN RADIUS: 0.881
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.741	-1.486
2:	0.021	-0.883
3:	0.094	-0.698
4:	0.294	-0.561
5:	0.738	-0.669
6:	0.643	-0.077
7:	0.257	-0.217
8:	-0.118	0.533
9:	-0.043	1.194
10:	-1.038	1.568



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <i>R 38548</i>			
SERIAL NUMBER <i>C6594572</i>			
LOG-IN DATE <i>1/2/02</i>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	<i>1/2/02</i>	<i>RW</i>
560 A	RE-BARREL AT CUSTOM SHOP	<i>1-3-02</i>	<i>BWT</i>
B	DRILL AND TAP	<i>1-3-02</i>	<i>BWT</i>
C	POLISH		
575	ASSEMBLE	<i>1-4-02</i>	<i>AC</i>
600	PROOF	<i>1-4-02</i>	<i>AC</i>
605	CHECK HEADSPACE	<i>1-4-02</i>	<i>AC</i>
610	DIS-ASSEMBLE GUN	<i>1-4-02</i>	<i>AC</i>
612	MAGNAFLUX	OPERATOR <i>AL</i>	
615	ROLLMARK CALIBER	<i>1-7-02</i>	<i>AB</i>
618	ROTO-BLAST	<i>1/7</i>	<i>HO</i>
620	APPLY COATINGS	<i>1/7</i>	<i>HP</i>
625 A	FINAL ASSEMBLY	<i>1-9-02</i>	<i>BR</i>
B	TRIGGER PULL TEST	<i>NA</i>	
C	SAFETY "ON" FORCE	<i>NA</i>	
D	SAFETY "OFF" FORCE	<i>NA</i>	
E	FIRING PIN INDENT	<i>NA</i>	
640	TARGET	<i>1-11-02</i>	<i>AC</i>
655	FINAL INSPECT	<i>1-12-02</i>	<i>BR</i>
660	PACK	<i>1-12-02</i>	<i>BA</i>
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®
REG. U.S. PAT. & TM. OFF.

DUPONT
REG. U.S. PAT. & TM. OFF.

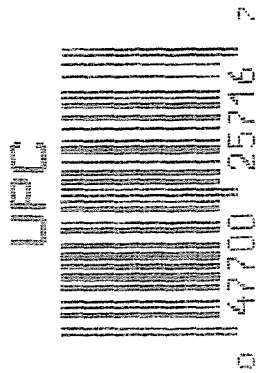
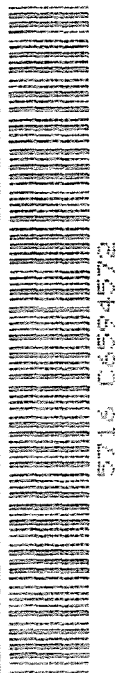
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TH M24

SERIAL NO.
C6594572

ORDER NO.
5716

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6594572

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-17-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes	1 10	91	FB
618	Polish Barrel	1 10	91	WB
620	Apply Coatings (Barrel Action)		1-18-91	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/28/91	RW
	C) Inspect Ejector Hole for Chamfer		1/28/91	RW
	D) Oil Firing Pin Ass'y		1/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-31-91	JL

BARBER - M24 0019481

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			1/31/91	WB
	G) Safety Off Force	2	2	2			1/31/91	WB
	H) Trigger Pull Test & Retainability						1/31/91	JY
	I) Firing Pin Indent	.0215	.0225	.022			1/31/91	WB
	J) Assemble Stock						2/8/91	RW
	K) Assemble Swivel Studs						2-22-91	Dr
	L) Attach Front and Rear Sight Assemblies						2/8/91	RW
	M) Iron Sight Alignment						2/8/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/8/91	RW
	O) Attach Scope to Rifle						2/8/91	RW
	P) Detach & Attach Scope 20 Times						2/8/91	RW
640	Gallery Target & Test						2-8-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						2-8-91	NF
655	Final Inspection							
	A) Headspace						2-22-91	Dr
	B) Trigger Pull	2.28	2.25	2.19	2.28	2.23	2/19/91	WB
	C) Function						2-22-91	Dr
660	Pack						3/14/91	WB

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6594572DATE 1-31-91TESTER JG

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.41	2.38	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE. LESS THAN 2#
PULL #2	2.25	2.11	2.44	2.25	
PULL #3	2.45	2.29	2.48	2.19	
PULL #4	2.22	2.34	2.42	2.28	
PULL #5	2.44	2.33	2.36	2.23	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.24		
PULL #2	3.40	3.39		
PULL #3	3.24	3.18		
PULL #4	3.22	3.33		
PULL #5	3.42	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX. SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.40		4.26
PULL #2	4.37	4.50		4.12
PULL #3	4.49	4.30		4.26
PULL #4	4.43	4.21		4.28
PULL #5	4.40	4.10		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594572
9 Feb 1991

CENTROIDAL DISTANCES

0	TO	1	.25318
1	TO	2	.109932
1	TO	3	.280644
1	TO	4	.190434
1	TO	5	.4228

50 4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0398
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.05
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0639065
THE AMR FOR THIS RIFLE IS: .8322

9 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594572

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.315

VS= 1.948

GS= 2.815

PATTERN #

11

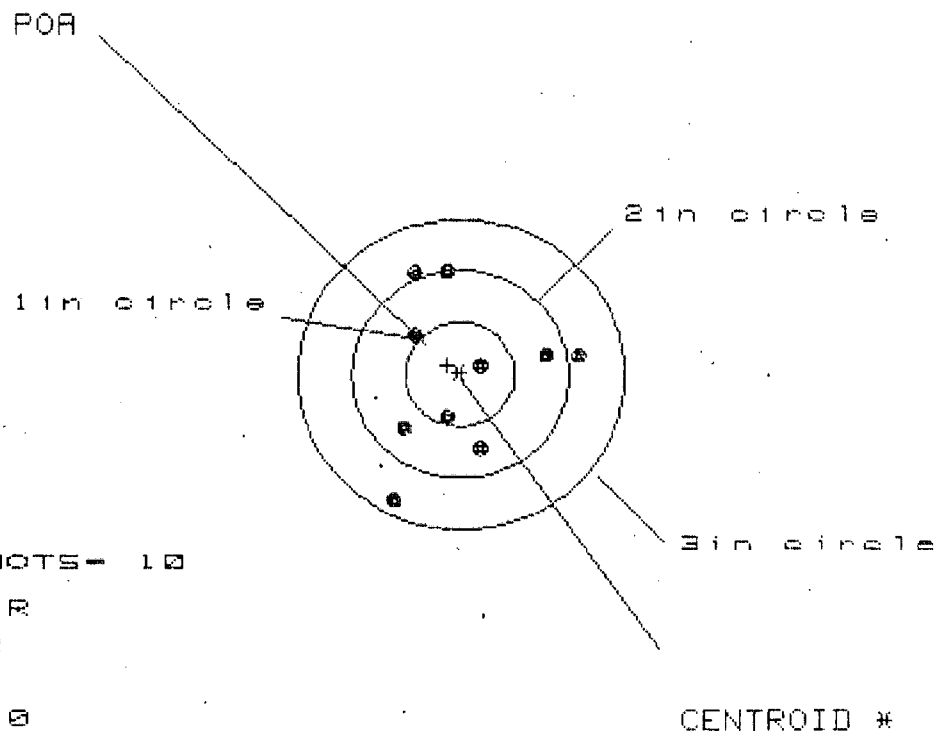
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.449	1.004	1.078
MINIMUM X	-.866	-.705	-.631
MAXIMUM Y	.913	.798	.664
MINIMUM Y	-1.035	-1.075	-.496
CENTROID X	.176	.015	-.059
CENTROID Y	-.182	-.067	.067
POA TO CENTROID in.	.253	.069	.089
MIN RADIUS	.179	.043	.191
MEAN RADIUS	.888	.740	.670
MAX RADIUS	1.780	1.226	1.170
HORIZONTAL SPREAD	2.315	1.709	1.709
VERTICAL SPREAD	1.948	1.873	1.160
EXTREME SPREAD	2.815	2.059	1.841

NUMBER IN ONE INCH CIRCLE

9 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594572

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.744

VS= 2.196

GS= 2.261

PATTERN #	:	32		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.127	1.059	.829
MINIMUM X	:	-.617	-.582	-.450
MAXIMUM Y	:	.957	.819	.827
MINIMUM Y	:	-1.239	-.857	-.849
CENTROID X	:	.119	.187	.055
CENTROID Y	:	-.088	.050	.042
POA TO CENTROID in.	:	.147	.194	.069
MIN RADIUS	:	.225	.174	.294
MEAN RADIUS	:	.802	.732	.686

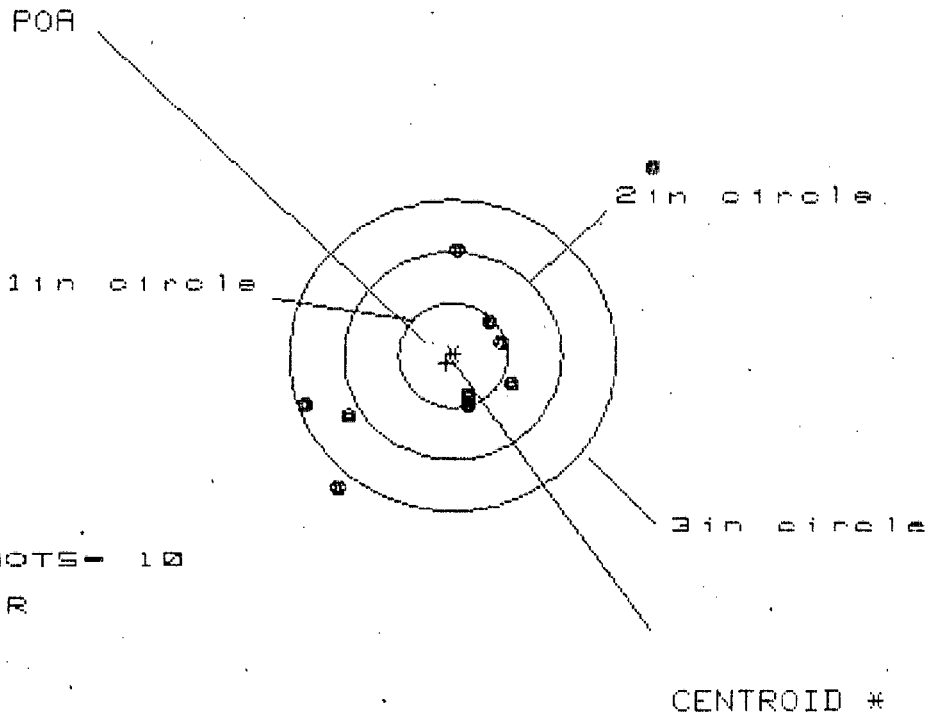
BARBER - M24 0019486

MAX RADIUS :	1.384	1.061	.905
HORIZONTAL SPREAD :	1.744	1.641	1.279
VERTICAL SPREAD :	2.196	1.676	1.676
EXTREME SPREAD :	2.261	1.778	1.778
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

9 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534572

CENTERFIRE PATTERNS # 3



PATTERN #	13	10	9	8
SHOTS (BEST OF)	10	9	8	
MAXIMUM X	1.815	.697	.590	
MINIMUM X	-1.358	-1.156	-1.263	
MAXIMUM Y	1.869	1.204	1.075	
MINIMUM Y	-1.236	-1.028	-.488	
CENTROID X	.061	-.141	-.034	
CENTROID Y	.074	-.134	-.005	
POA TO CENTROID in.	.096	.194	.034	
MIN RADIUS	.378	.387	.369	
MEAN RADIUS	1.019	.845	.755	
MAX RADIUS	2.605	1.337	1.314	
HORIZONTAL SPREAD	3.173	1.853	1.853	
VERTICAL SPREAD	3.105	2.232	1.563	
EXTREME SPREAD	4.230	2.465	1.970	
NUMBER IN ONE INCH CIRCLE =		3		
NUMBER IN TWO INCH CIRCLE =		6		
NUMBER IN THREE INCH CIRCLE =		8		

9 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594572

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 6

2 in = 8

3 in = 9

HS= .745

VS= 3.365

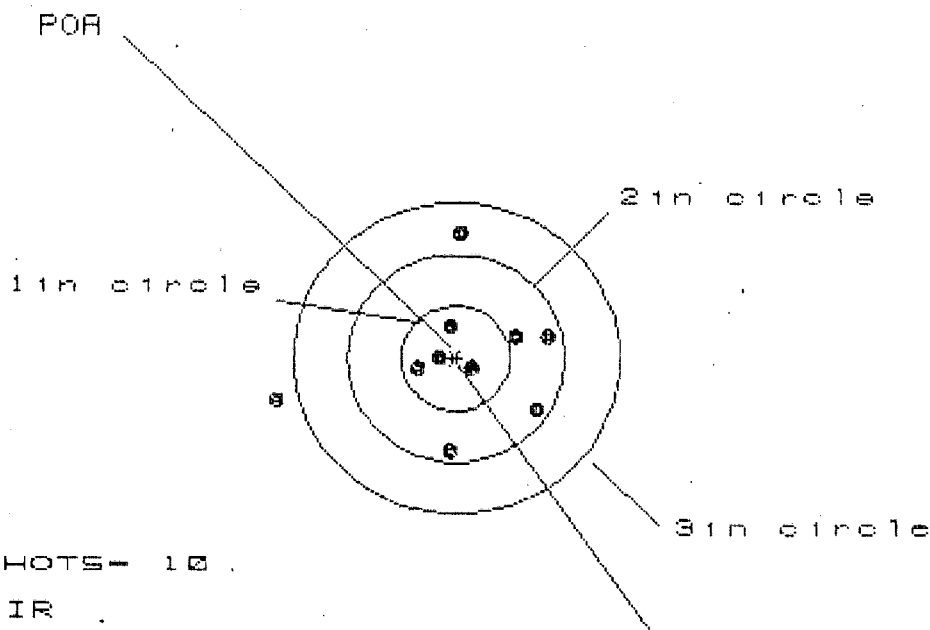
GS= 3.369

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.439
MINIMUM X	-.306
MAXIMUM Y	1.388
MINIMUM Y	-1.977
CENTROID X	-.011
CENTROID Y	-.146
POA TO CENTROID in.	.146
MIN RADIUS	.262
MEAN RADIUS	.727
MAX RADIUS	2.011
HORIZONTAL SPREAD	.745
VERTICAL SPREAD	3.365
EXTREME SPREAD	3.369
NUMBER IN ONE INCH CIRCLE =	6
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	9

9 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594572

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 2.536

VS= 2.060

GS= 2.590

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.895	.713	.692
MINIMUM X	-1.641	-.544	-.565
MAXIMUM Y	1.204	1.166	.406
MINIMUM Y	-.856	-.894	-.748
CENTROID X	-.146	.036	.057
CENTROID Y	.092	.130	-.016
POA TO CENTROID in.	.172	.135	.059
MIN RADIUS	.208	.132	.020
MEAN RADIUS	.725	.609	.526
MAX RADIUS	1.677	1.178	.900
HORIZONTAL SPREAD	2.536	1.257	1.257
VERTICAL SPREAD	2.060	2.060	1.154
EXTREME SPREAD	2.590	2.062	1.424
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	