

C6348791

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Serial Number: C634879 1

Model: 700



RE00049187

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348791.__0
FILE DATE AND TIME: 08/01/2002 13:49

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.100
The Average Y Centroid of the Five Target Set:	-0.109
The Average Point of Impact of the Five Target Set:	0.148
The Average Mean Radius of the Five Target Set:	0.696
The Distance from POA to Centroid Target #1:	0.203
The Distance from Centroid Target #2 to Centroid Target #1:	0.304
The Distance from Centroid Target #3 to Centroid Target #1:	0.168
The Distance from Centroid Target #4 to Centroid Target #1:	0.095
The Distance from Centroid Target #5 to Centroid Target #1:	0.101

BARBER - M24 0064104

SERIAL NUMBER: C6348791. __0

TARGET NUMBER: 1

FILE DATE: 08/01/2002

FILE TIME: 13:49

POINT#	X	Y
1:	0.860	-0.334
2:	0.174	-1.537
3:	-0.126	-0.872
4:	-0.348	-0.290
5:	-0.527	0.188
6:	-0.686	0.621
7:	-1.058	1.193
8:	0.199	-0.081
9:	0.373	-0.356
10:	0.223	-0.348

X CENTROID: -0.092

Y CENTROID: -0.182

POA TO CENTROID: 0.203

HORZ SPREAD: 1.918

VERT SPREAD: 2.730

GROUP SPREAD: 2.995

MIN RADIUS: 0.278

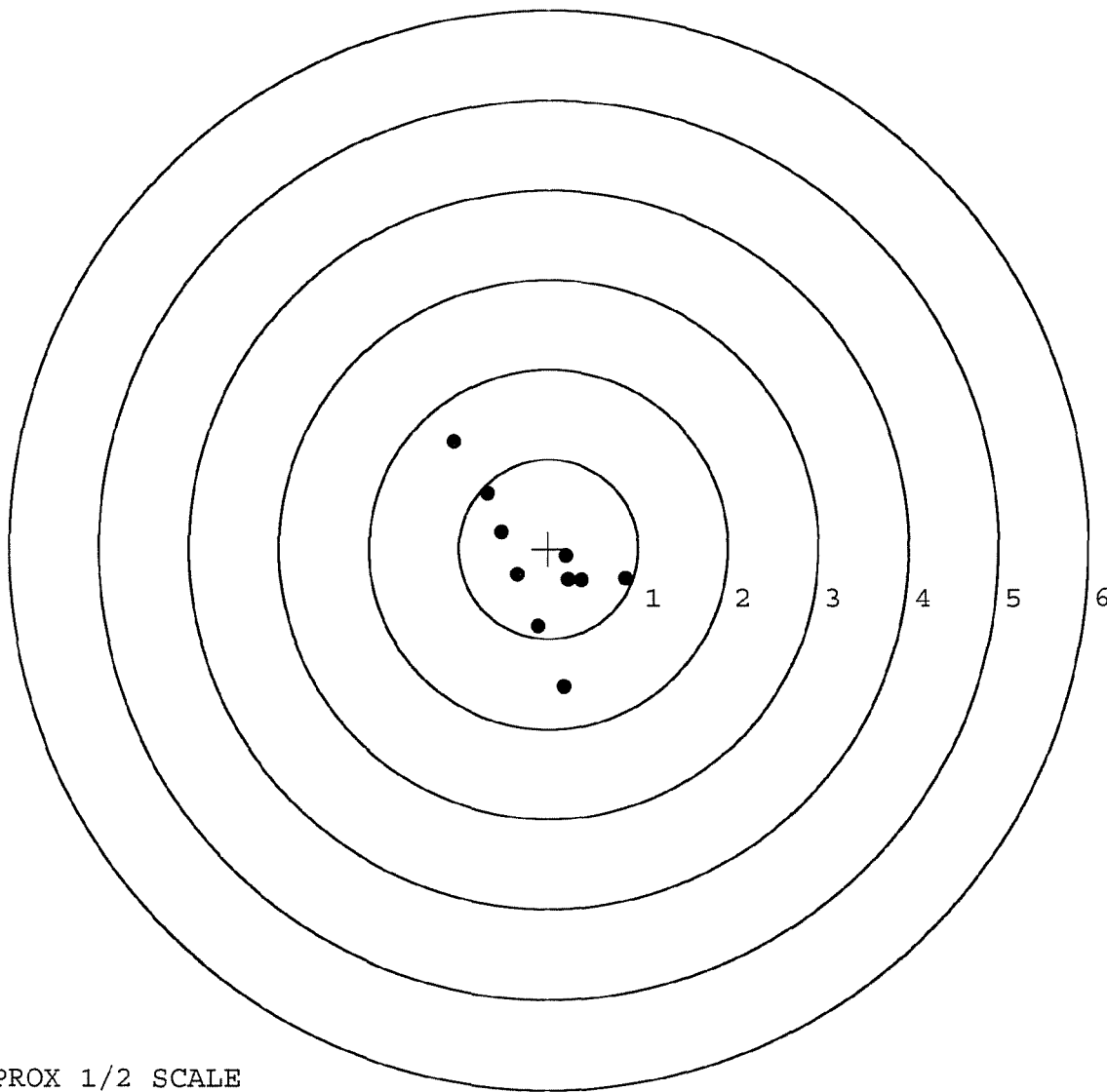
MAX RADIUS: 1.680

MEAN RADIUS: 0.772

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



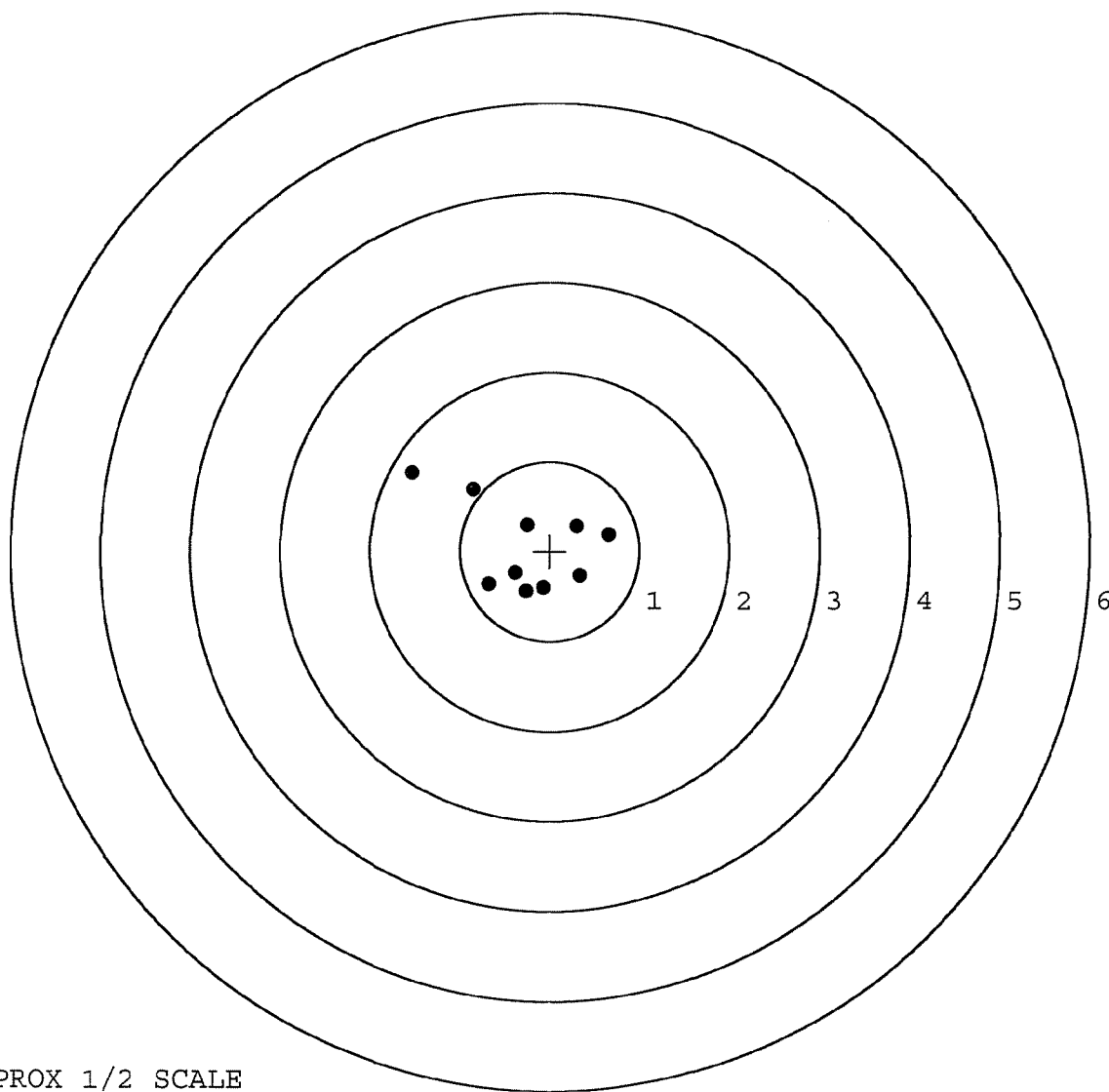
TARGET APPROX 1/2 SCALE

BARBER - M24 0064105

SERIAL NUMBER: C6348791. __0
 TARGET NUMBER: 2
 FILE DATE: 08/01/2002
 FILE TIME: 13:49

POINT#	X	Y
1:	-1.537	0.874
2:	-0.863	0.693
3:	-0.261	0.290
4:	0.297	0.280
5:	0.649	0.184
6:	0.335	-0.275
7:	-0.079	-0.412
8:	-0.268	-0.448
9:	-0.387	-0.242
10:	-0.682	-0.372

X CENTROID: -0.280
 Y CENTROID: 0.057
 POA TO CENTROID: 0.285
 HORZ SPREAD: 2.186
 VERT SPREAD: 1.322
 GROUP SPREAD: 2.292
 MIN RADIUS: 0.234
 MAX RADIUS: 1.499
 MEAN RADIUS: 0.677
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



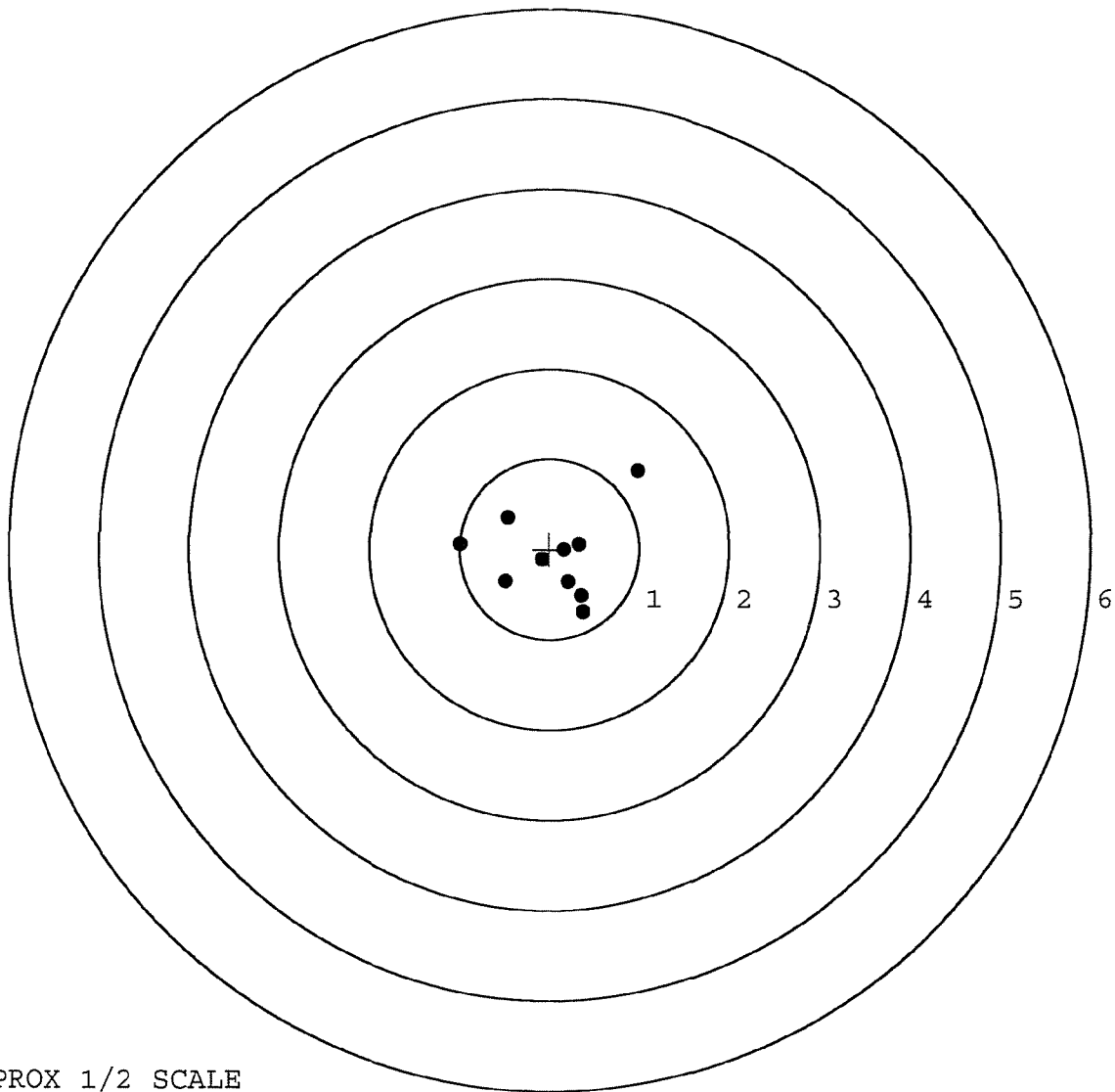
TARGET APPROX 1/2 SCALE

BARBER - M24 0064106

SERIAL NUMBER: C6348791. __0
 TARGET NUMBER: 3
 FILE DATE: 08/01/2002
 FILE TIME: 13:49

POINT#	X	Y
1:	0.977	0.861
2:	-0.470	0.350
3:	-0.998	0.063
4:	-0.492	-0.359
5:	0.378	-0.697
6:	0.357	-0.515
7:	0.212	-0.363
8:	-0.086	-0.116
9:	0.163	-0.011
10:	0.332	0.055

X CENTROID: 0.037
 Y CENTROID: -0.073
 POA TO CENTROID: 0.082
 HORZ SPREAD: 1.975
 VERT SPREAD: 1.558
 GROUP SPREAD: 2.130
 MIN RADIUS: 0.131
 MAX RADIUS: 1.325
 MEAN RADIUS: 0.582
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

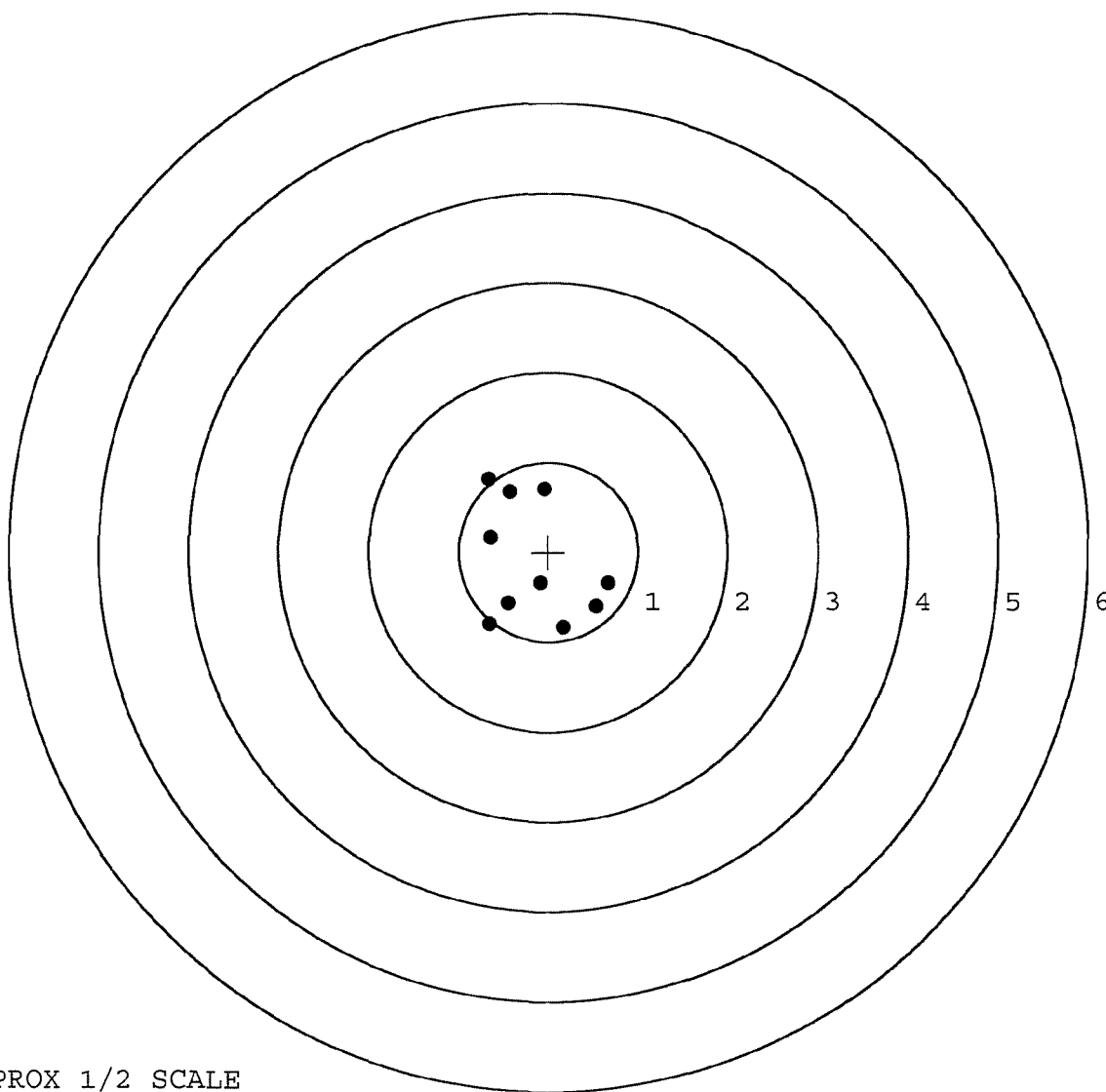


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348791. __0
 TARGET NUMBER: 4
 FILE DATE: 08/01/2002
 FILE TIME: 13:49

POINT#	X	Y
1:	-0.052	0.700
2:	-0.438	0.672
3:	-0.672	0.813
4:	-0.645	0.156
5:	-0.090	-0.348
6:	0.669	-0.351
7:	0.537	-0.607
8:	0.167	-0.844
9:	-0.452	-0.577
10:	-0.658	-0.810

X CENTROID: -0.163
 Y CENTROID: -0.120
 POA TO CENTROID: 0.202
 HORZ SPREAD: 1.341
 VERT SPREAD: 1.657
 GROUP SPREAD: 1.865
 MIN RADIUS: 0.240
 MAX RADIUS: 1.062
 MEAN RADIUS: 0.743
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0064108

SERIAL NUMBER: C6348791. __0

TARGET NUMBER: 5

FILE DATE: 08/01/2002

FILE TIME: 13:49

POINT#	X	Y
1:	0.907	-0.971
2:	0.474	-1.141
3:	0.515	-0.212
4:	0.009	-0.408
5:	-0.141	-0.234
6:	-0.479	-0.565
7:	-0.902	-0.521
8:	-0.217	0.357
9:	-0.013	0.442
10:	-0.182	0.951

X CENTROID: -0.003

Y CENTROID: -0.230

POA TO CENTROID: 0.230

HORZ SPREAD: 1.809

VERT SPREAD: 2.092

GROUP SPREAD: 2.209

MIN RADIUS: 0.138

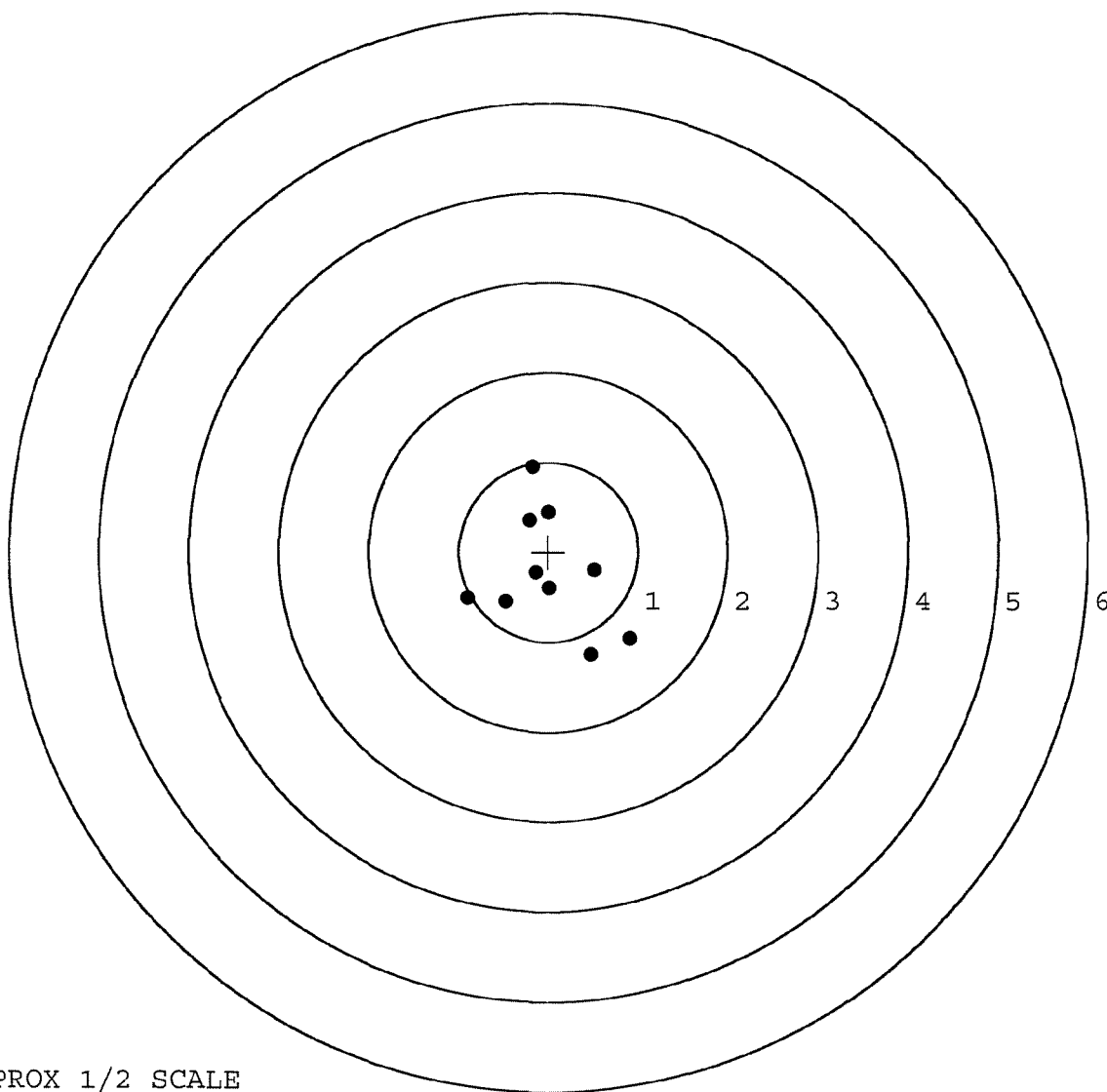
MAX RADIUS: 1.195

MEAN RADIUS: 0.705

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Final Inspection

Sn: C12348791

DATE REC'D: 7/12/02

DATE RET'D: 8/2/02

AUDITOR: RL

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	49187		
SERIAL NUMBER	C6348791		
LOG-IN DATE	2/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/16/02	RL
560 A	RE-BARREL	7/16/02	RA
B	DRILL AND TAP	7-17-02	Ac
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA - FLUX INSPECTED	
615	ROLLMARK CALIBER	7/23/02	TWD
618	ROTO-BLAST	7/25/02	KO
620	APPLY COATINGS OPERATOR	7-26	TA
625 A	FINAL ASSEMBLY	7/30/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	7/31/02	TREJ
655	FINAL INSPECT	8-2-02	RL
660	PACK	8-2-02	RA
		SHIP DATE	
QAR INSPECTION DATE			

Score
0661

GUN SERIAL # C6348791

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	89	RW
600	Proof	9 26	89	RW
607	Check Headspace	9 26	89	RW
610	Dis-assemble Gun	9 26	89	RW
612	Magnaflux Barrel Action	9/29/89		KCR
	Magnaflux Bolt	9/29/89		KCR
615	Rollmark Caliber	9/29/89		L.L.
7	Drill and Tap Sight Holes	9 29	89	LB
618	Polish Barrel RB	9 29	89	BT
620	Apply Coatings (Barrel Action)		10/1/89	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/2/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/2/89	RW
	C) Inspect Ejector Hole for Chamfer		10/2/89	RW
	D) Oil Firing Pin Ass'y		10/2/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/18/89	JD

BARBER - M24 0064112								
op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5	10/27/89	JH		
	G) Safety Off Force	3	3	3	10/27/89	JH		
	H) Trigger Pull Test & Retainability				27 Oct 89	JS		
	I) Firing Pin Indent	.0225	.0225	.0225	10/27/89	JH		
	J) Assemble Stock				10/30/89	RW		
	K) Assemble Swivel Studs				10/30/89	JS		
	L) Attach Front and Rear Sight Assemblies				10/30/89	RW		
	M) Iron Sight Alignment				10/30/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				10/30/89	RW		
	O) Attach Scope to Rifle				10/30/89	JH		
	P) Detach & Attach Scope 20 Times				10/30/89	JH		
640	Gallery Target & Test				10-31-89	DH		
	A) Time				10-31-89	DH		
	B) Malfunctions				10-31-89	DH		
	C) Pierced Primers				10-31-89	DH		
	D) Optical Clarity of Scope				10-31-89	DH		
645	Inspect for Live Ammo				10-31-89	DH		
655	Final Inspection							
	A) Headspace				6 Nov 89	JS		
	B) Trigger Pull	230	224	226	237	226	6 Nov 89	JS
	C) Function						6 Nov 89	JS
660	Pack						14 Dec 89	JS

SWS TRIGGER PULL TEST

BARBER - M24 0064113

TIME

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348791DATE 3-28-90TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.53	2.50	2.58	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.52	2.42	2.54	
PULL #3	2.53	2.56	2.51	
PULL #4	2.52	2.50	2.49	
PULL #5	2.50	2.36	2.51	
TOTAL	12.60	16.34	12.63	
AVG.	2.52	3.268	2.526	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.23		
PULL #2	3.22	3.50		
PULL #3	3.55	3.50		
PULL #4	3.51	3.51		
PULL #5	3.28	3.48		
TOTAL	17.06	17.22		
AVG.	3.412	3.444		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.34		
PULL #2	4.22	4.33		
PULL #3	4.20	4.12		
PULL #4	4.40	4.22		
PULL #5	4.34	4.30		
TOTAL	21.28	21.31		
AVG.	4.256	4.262		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348791
31 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.818827
1 TO	2	.720802
1 TO	3	.331748
1 TO	4	.498471
1 TO	5	.739798

+ $\begin{smallmatrix} 4 \\ 25 \\ 13 \end{smallmatrix}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .7364
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0744
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .740149
THE AMR FOR THIS RIFLE IS: .967

31 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8848791

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.972

VS= 2.072

GS= 4.208

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.467	1.188	.964
MINIMUM X	:	-2.505	-.958	-.909
MAXIMUM Y	:	.792	.841	.777
MINIMUM Y	:	-1.280	-1.192	-1.256
CENTROID X	:	.659	.938	.789
CENTROID Y	:	-.486	-.574	-.510
POA TO CENTROID in.	:	.819	1.099	.940
MIN RADIUS	:	.416	.519	.427
MEAN RADIUS	:	1.124	.946	.877
MAX RADIUS	:	2.628	1.353	1.341
HORIZONTAL SPREAD	:	3.972	2.146	1.773
VERTICAL SPREAD	:	2.072	2.033	2.033
EXTREME SPREAD	:	4.208	2.383	2.383
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

31 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346791

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS = 2.810

VS = 1.913

GS = 2.862

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.056	.861	.945
MINIMUM X	:	-1.754	-1.105	-1.021
MAXIMUM Y	:	.849	.853	.720
MINIMUM Y	:	-1.064	-1.060	-.690
CENTROID X	:	.693	.888	.804
CENTROID Y	:	.234	.230	.363
POA TO CENTROID in.	:	.732	.917	.882
MIN RADIUS	:	.407	.530	.381
MEAN RADIUS	:	.966	.870	.799
MAX RADIUS	:	1.754	1.254	1.141
HORIZONTAL SPREAD	:	2.810	1.966	1.966
VERTICAL SPREAD	:	1.913	1.913	1.410
EXTREME SPREAD	:	2.862	2.188	2.096
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

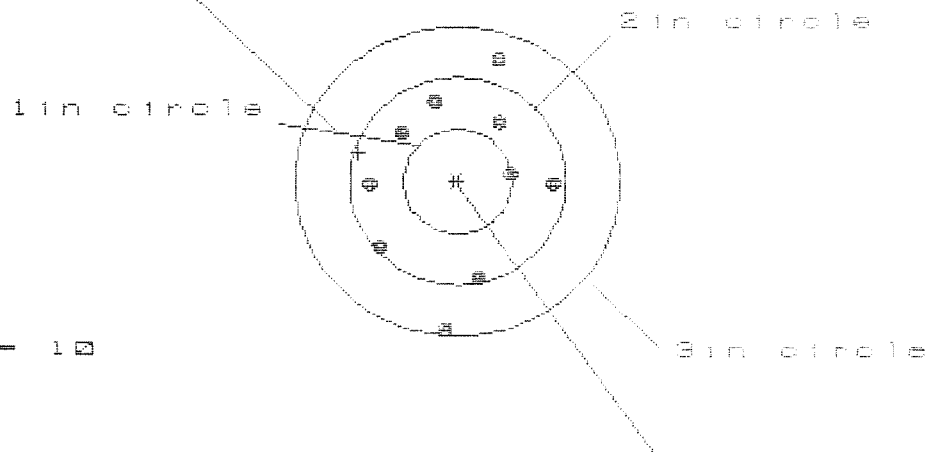
31 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348791

CENTERFIRE PATTERNS

3

POA



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 8

3 in = 10

HS= 1.696

VS= 2.568

GS= 2.616

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.903	.888	.931
MINIMUM X	:	-.793	-.808	-.765
MAXIMUM Y	:	1.176	1.021	.728
MINIMUM Y	:	-1.392	-1.036	-.908
CENTROID X	:	.915	.930	.887
CENTROID Y	:	-.275	-.120	-.248
POA TO CENTROID in.	:	.956	.938	.921
MIN RADIUS	:	.507	.493	.532
MEAN RADIUS	:	.886	.807	.777
MAX RADIUS	:	1.399	1.085	.962
HORIZONTAL SPREAD	:	1.696	1.696	1.696
VERTICAL SPREAD	:	2.568	2.057	1.636
EXTREME SPREAD	:	2.616	2.122	1.718
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

31 Oct 1989

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.662

VS= 2.066

GS= 3.333

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.170	1.004	1.123
MINIMUM X	:	-1.492	-1.623	-1.503
MAXIMUM Y	:	1.103	.996	.948
MINIMUM Y	:	-.963	-1.042	-.918
CENTROID X	:	.451	.617	.497
CENTROID Y	:	-.033	.074	-.050
POA TO CENTROID in.	:	.453	.622	.500
MIN RADIUS	:	.470	.420	.518
MEAN RADIUS	:	1.073	.981	.921
MAX RADIUS	:	1.776	1.624	1.514
HORIZONTAL SPREAD	:	2.662	2.627	2.627
VERTICAL SPREAD	:	2.066	2.038	1.866
EXTREME SPREAD	:	3.333	2.746	2.631
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

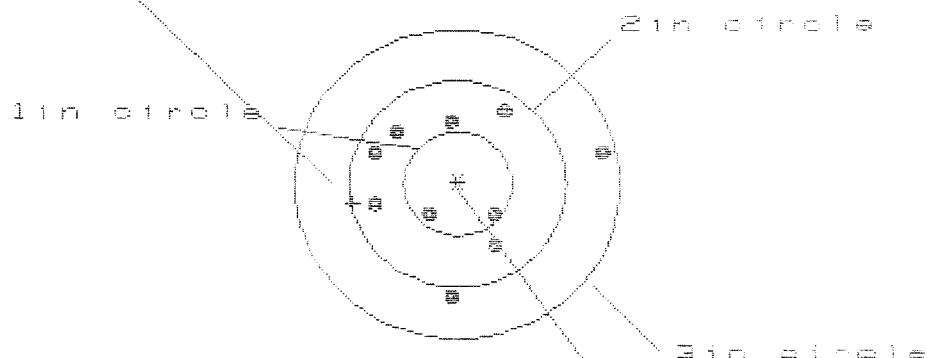
31 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346791

CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 2.123

VS= 1.823

GS= 2.130

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.314	.574	.589
MINIMUM X	:	-.809	-.663	-.648
MAXIMUM Y	:	.695	.734	.598
MINIMUM Y	:	-1.128	-1.089	-.713
CENTROID X	:	.964	.818	.863
CENTROID Y	:	.188	.148	.284
POA TO CENTROID in.	:	.982	.831	.851
MIN RADIUS	:	.423	.298	.414
MEAN RADIUS	:	.786	.704	.647
MAX RADIUS	:	1.362	1.095	.875
HORIZONTAL SPREAD	:	2.123	1.237	1.237
VERTICAL SPREAD	:	1.823	1.823	1.311
EXTREME SPREAD	:	2.130	1.878	1.477
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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

MODEL 700™ M24

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

01

SERIAL NO.
C6348791

ORDER NO.
5716


5716 C6348791

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

UPC


0 47700 25716 7

