

C6522251

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

1. ORGANIZATION

2. NOMENCLATURE AND MODEL

3. REGISTRATION/SERIAL/NSN

4a. MILES

b. HOURS								
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c. <u>ROUNDS</u>

d. HOT

5. DATE

6. TYPE INSPECTION

C6522251

FIRED
10,000

20 AUG 2004

W

7.	APPLICABLE REFERENCE

TM NUMBER

TM DATE	
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TM NUMBER

TM DATE

COLUMN a – Enter TM item number.

COLUMN b – Enter the applicable condition status symbol.

COLUMN c – Enter deficiencies and shortcomings.

COLUMN d—Show corrective action for deficiency or shortcoming listed in Column c.

COLUMN e – Individual ascertaining completed corrective action initial in this column.

STATUS SYMBOLS

"X" - Indicates a deficiency in the equipment that places it in an inoperable status.

CIRCLED "X" - Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished.

HORIZONTAL DASH "-" - Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "/" – Indicates a material defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.

LAST NAME INITIAL IN BLACK, BLUE-BLACK INK,
OR PENCIL - Indicates that a completely satisfactory
condition exists.

FOR AIRCRAFT - Status symbols will be recorded in red.

ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED
IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.

8a. SIGNATURE (Person(s) performing inspection)

8b. TIME	
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9a. SIGNATURE (Maintenance Supervisor)

9b. TIME

10. MANHOURS REQUIRED	
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Jeck Kesse

1039

TM
ITEM
NO.
a

STATUS
<i>b</i>

DEFICIENCIES AND SHORTCOMINGS

CORRECTIVE ACTION

INITIAL
WHEN
CORRECTED
e

1

(-)

10,000 ROUNDS COUNT

[illegible]

AVERAGE PULL FORCE BETWEEN

INITIAL **BARBER - M24 0602248**

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO.

DATE

9-29-04

TESTER

TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.22	2.58		2.46	
PULL #2	2.53	2.68		2.35	
PULL #3	2.53	2.65		2.35	
PULL #4	2.65	2.64		2.39	
PULL #5	2.66	2.52		2.37	
TOTAL	12.59	13.07		11.92	
AVERAGE	2.51	2.61		2.38	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.22		
PULL #2	3.29	3.21		
PULL #3	3.22	3.14		
PULL #4	3.24	3.20		
PULL #5	3.22	3.21		
TOTAL	16.09	15.98		
AVERAGE	3.21	3.19		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.06	4.24		4.44
PULL #2	4.12	4.05		4.46
PULL #3	4.09	3.80		4.45
PULL #4	4.15	4.03		4.44
PULL #5	4.19	4.01		4.14
TOTAL	20.61	20.13		21.93
AVERAGE	4.12	4.02		4.38

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522251.___0
FILE DATE AND TIME: 10/18/2004 07:00

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

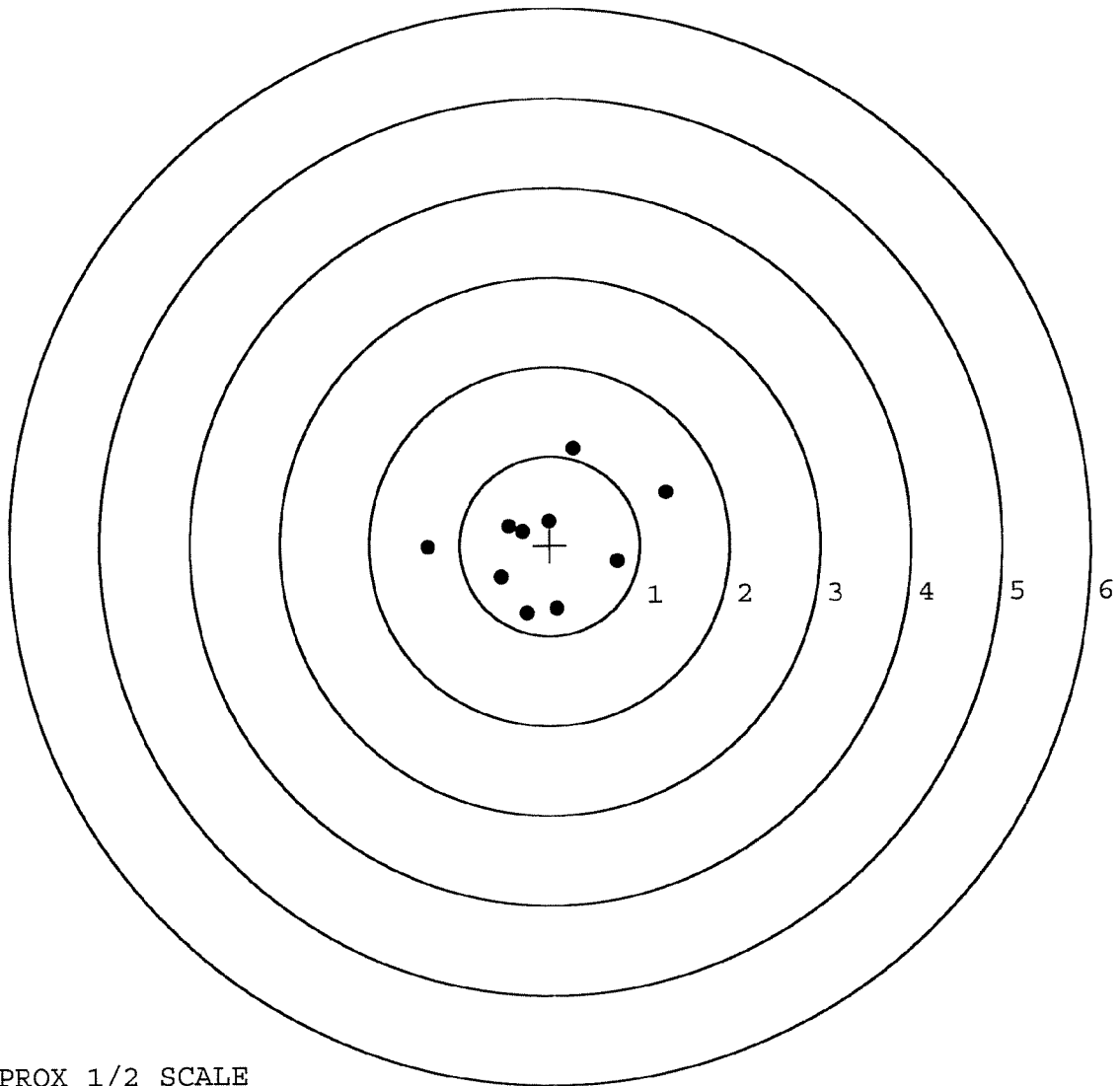
The Average X Centroid of the Five Target Set:	-0.085
The Average Y Centroid of the Five Target Set:	-0.041
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.709
The Distance from POA to Centroid Target #1:	0.061
The Distance from Centroid Target #2 to Centroid Target #1:	0.325
The Distance from Centroid Target #3 to Centroid Target #1:	0.072
The Distance from Centroid Target #4 to Centroid Target #1:	0.278
The Distance from Centroid Target #5 to Centroid Target #1:	0.113

SERIAL NUMBER: C6522251. __0
 TARGET NUMBER: 1
 FILE DATE: 10/18/2004
 FILE TIME: 07:00

X CENTROID: -0.053
 Y CENTROID: 0.031
 POA TO CENTROID: 0.061
 HORZ SPREAD: 2.645
 VERT SPREAD: 1.837
 GROUP SPREAD: 2.712
 MIN RADIUS: 0.247
 MAX RADIUS: 1.459
 MEAN RADIUS: 0.784

POINT#	X	Y
1:	0.080	-0.706
2:	-0.266	-0.751
3:	-0.543	-0.353
4:	-1.348	-0.015
5:	0.748	-0.185
6:	1.297	0.583
7:	0.269	1.086
8:	-0.007	0.273
9:	-0.304	0.156
10:	-0.458	0.218

IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



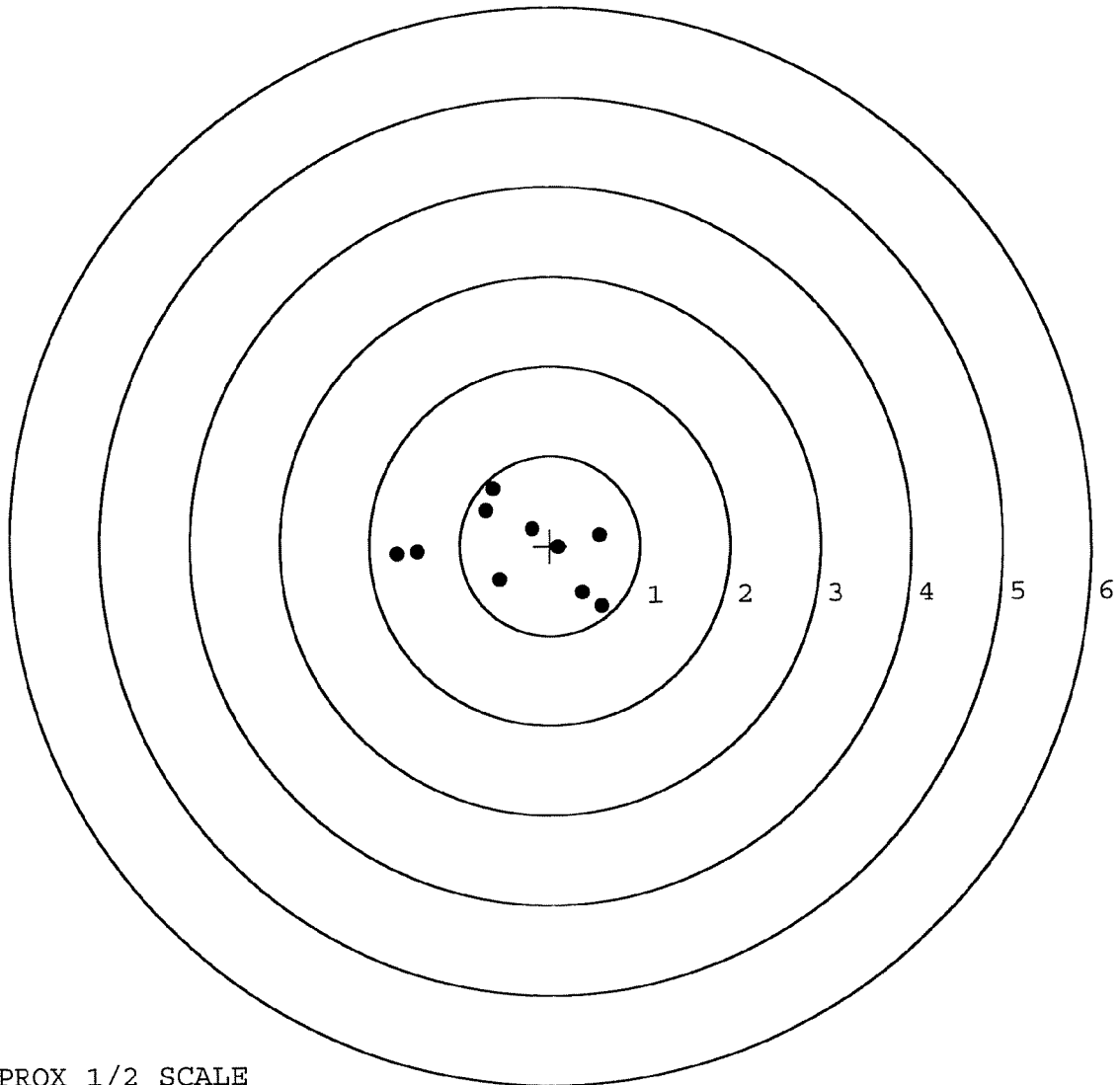
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522251. __0
 TARGET NUMBER: 2
 FILE DATE: 10/18/2004
 FILE TIME: 07:00

X CENTROID: -0.370
 Y CENTROID: -0.040
 POA TO CENTROID: 0.372
 HORZ SPREAD: 2.264
 VERT SPREAD: 1.312
 GROUP SPREAD: 2.340
 MIN RADIUS: 0.283
 MAX RADIUS: 1.325
 MEAN RADIUS: 0.777

POINT#	X	Y
1:	0.569	-0.675
2:	0.358	-0.523
3:	0.550	0.119
4:	-0.565	-0.378
5:	-1.695	-0.082
6:	-1.468	-0.061
7:	-0.708	0.395
8:	-0.628	0.637
9:	-0.203	0.188
10:	0.088	-0.019

IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

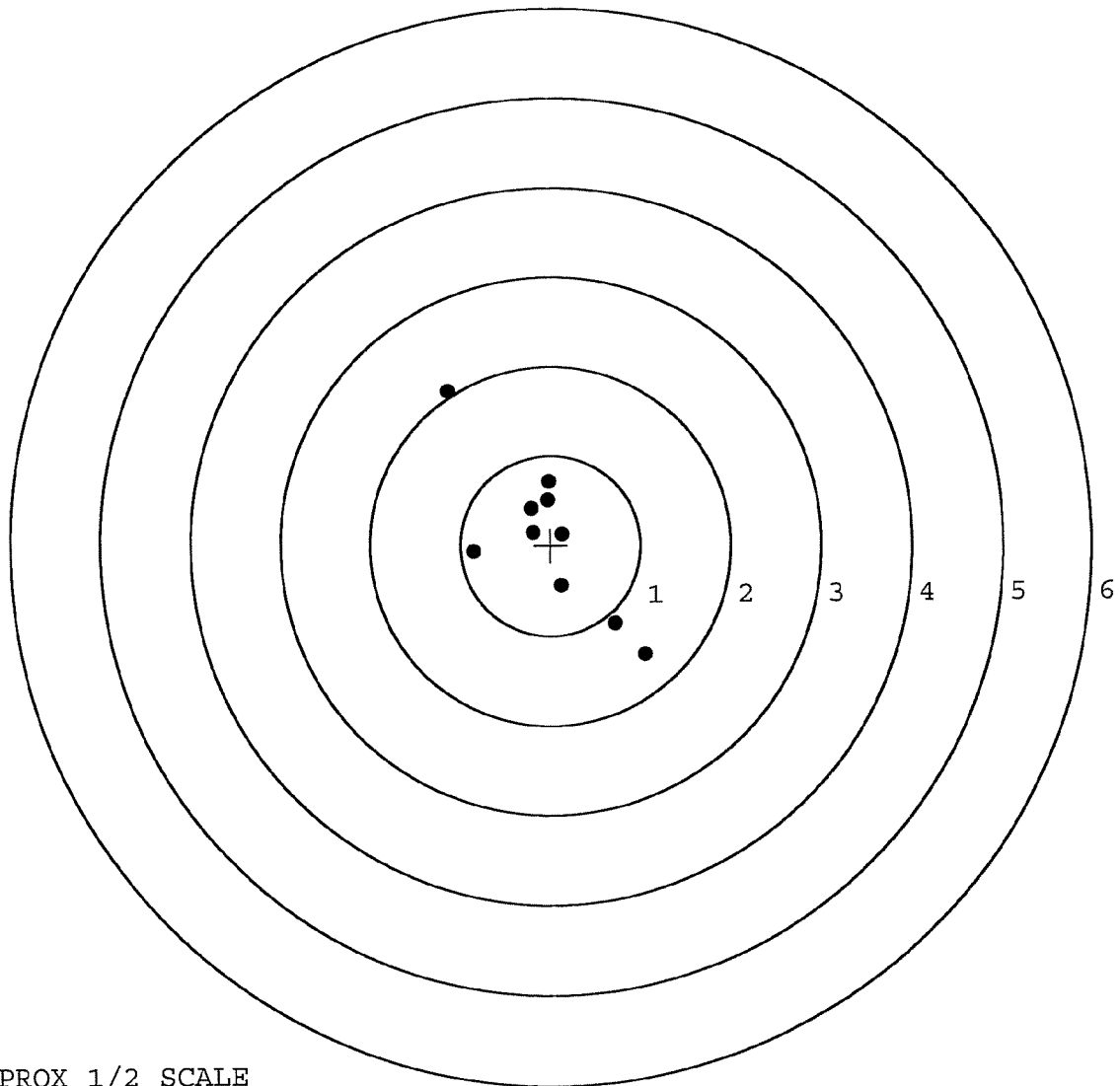


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522251. 0
 TARGET NUMBER: 3
 FILE DATE: 10/18/2004
 FILE TIME: 07:00

POINT#	X	Y
1:	1.041	-1.216
2:	0.710	-0.871
3:	0.119	-0.449
4:	-0.857	-0.069
5:	-1.130	1.733
6:	-0.017	0.707
7:	-0.215	0.408
8:	0.128	0.125
9:	-0.195	0.144
10:	-0.030	0.506

X CENTROID: -0.045
 Y CENTROID: 0.102
 POA TO CENTROID: 0.111
 HORZ SPREAD: 2.171
 VERT SPREAD: 2.949
 GROUP SPREAD: 3.662
 MIN RADIUS: 0.156
 MAX RADIUS: 1.959
 MEAN RADIUS: 0.799
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8

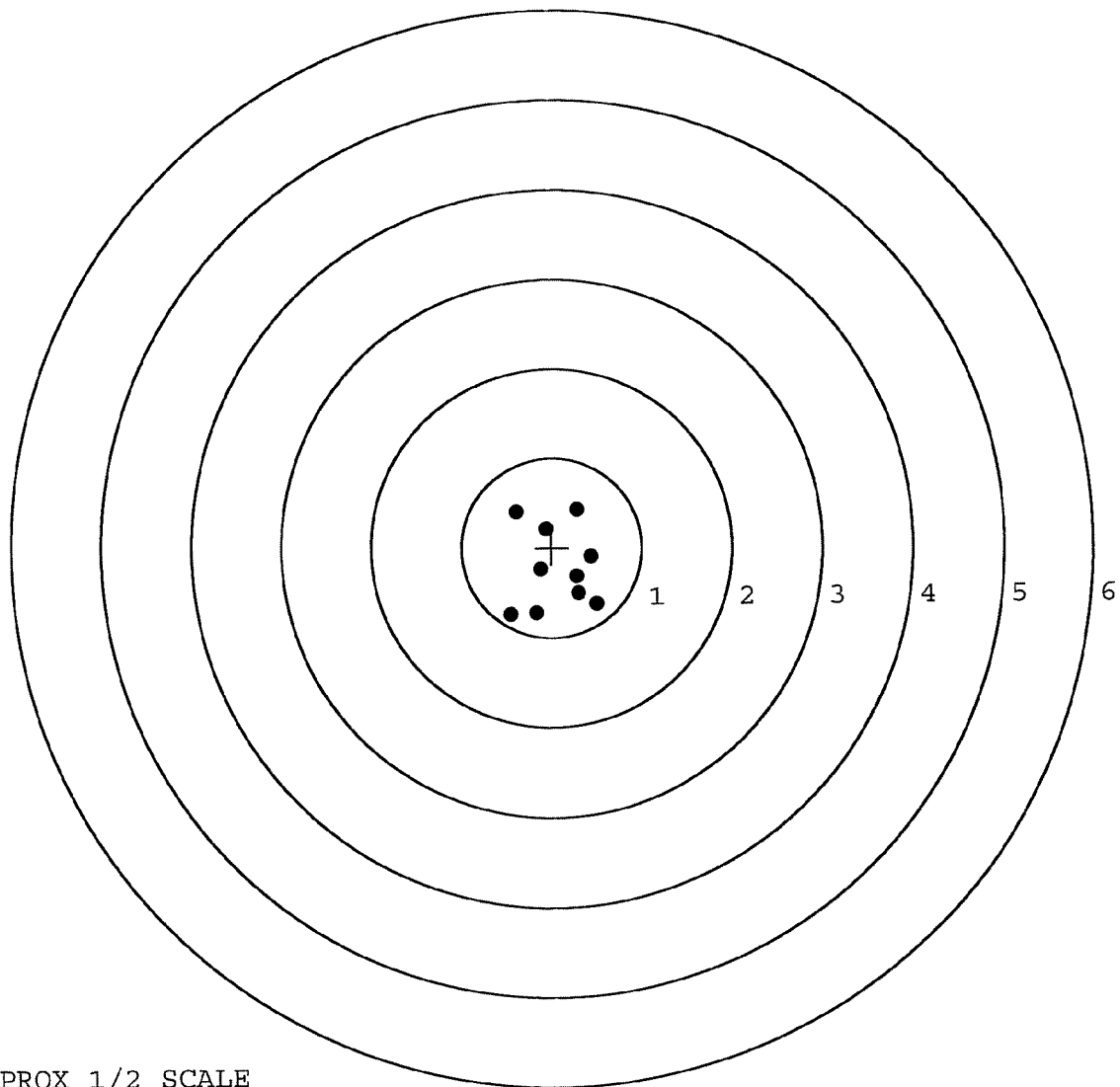


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522251. __0
 TARGET NUMBER: 4
 FILE DATE: 10/18/2004
 FILE TIME: 07:00

POINT#	X	Y
1:	0.495	-0.629
2:	0.298	-0.513
3:	0.278	-0.320
4:	0.438	-0.100
5:	-0.127	-0.244
6:	-0.175	-0.733
7:	-0.463	-0.740
8:	-0.061	0.208
9:	0.286	0.424
10:	-0.398	0.405

X CENTROID: 0.057
 Y CENTROID: -0.224
 POA TO CENTROID: 0.231
 HORZ SPREAD: 0.958
 VERT SPREAD: 1.164
 GROUP SPREAD: 1.366
 MIN RADIUS: 0.185
 MAX RADIUS: 0.777
 MEAN RADIUS: 0.500
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522251. __0

TARGET NUMBER: 5

FILE DATE: 10/18/2004

FILE TIME: 07:00

X CENTROID: -0.014

Y CENTROID: -0.076

POA TO CENTROID: 0.077

HORZ SPREAD: 1.492

VERT SPREAD: 1.919

GROUP SPREAD: 2.104

MIN RADIUS: 0.344

MAX RADIUS: 1.165

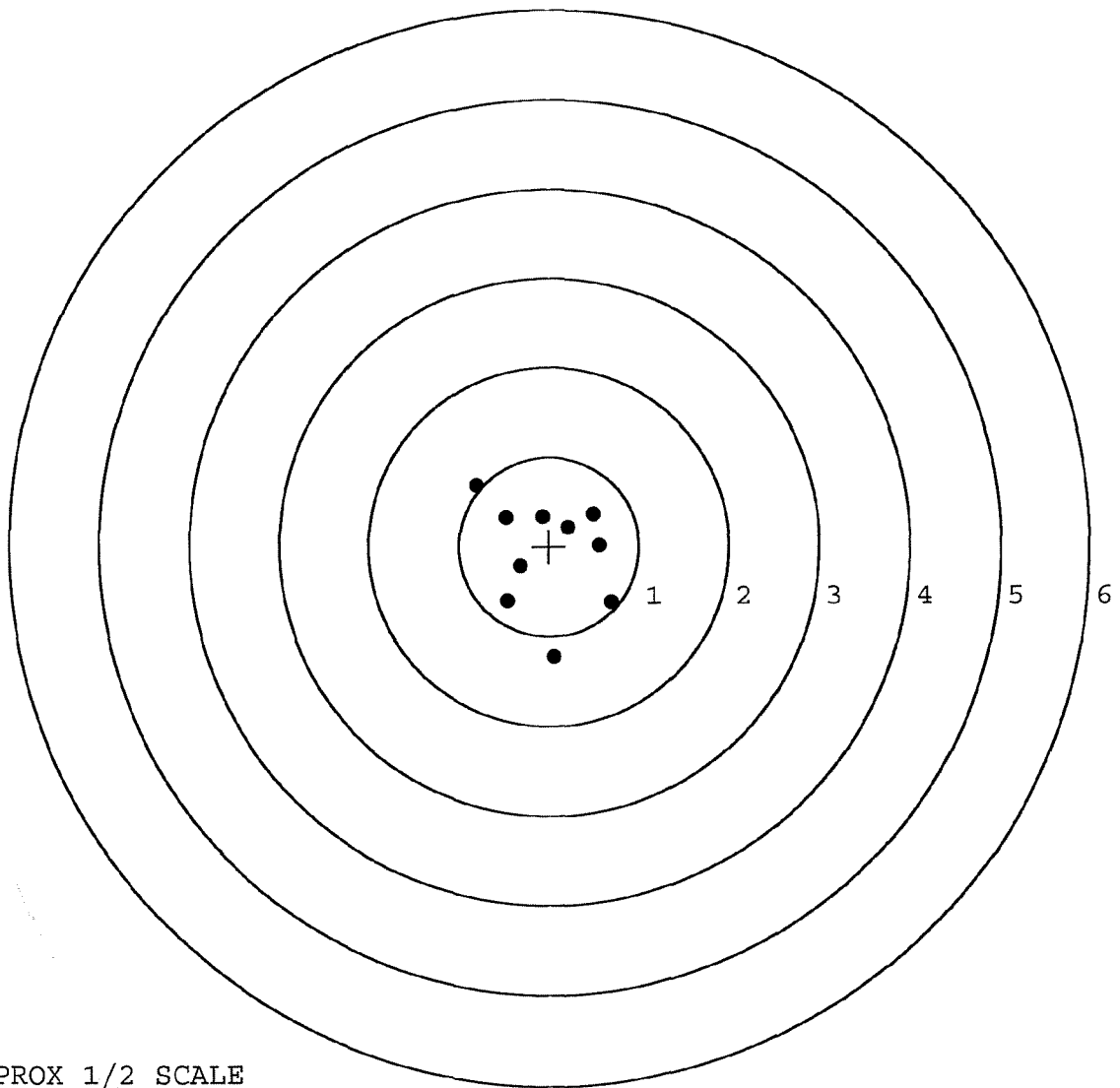
MEAN RADIUS: 0.685

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.687	-0.622
2:	0.057	-1.238
3:	-0.472	-0.608
4:	-0.325	-0.222
5:	-0.481	0.322
6:	-0.074	0.333
7:	-0.805	0.681
8:	0.499	0.365
9:	0.562	0.020
10:	0.212	0.214



TARGET APPROX 1/2 SCALE

R & E NUMBER	85577		
SERIAL NUMBER	C652 2251		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-29-04	RTL
560 A	RE-BARREL	10-6-04	K
B	DRILL AND TAP	10-8-04	TRW
575	ASSEMBLE	10-6-04	RTL
600	PROOF	10-7-04	RTL
605	CHECK HEADSPACE	10-7-04	RTL
610	DIS-ASSEMBLE GUN	10-7-04	RTL
612	MAGNAFLUX	10-7-04	AD
615	ROLLMARK CALIBER	OPERATOR	AD
618	ROTO-BLAST	10-11-04	SB/CW
620	APPLY COATINGS	10-14-04	HP
625 A	FINAL ASSEMBLY	10-16-04	RTL
B	TRIGGER PULL TEST	11-2-04	DA
C	SAFETY "ON" FORCE	11-2-04	DA
D	SAFETY "OFF" FORCE	11-2-04	DA
E	FIRING PIN INDENT	11-2-04	DA
640	TARGET	10-18-04	TRW
655	FINAL INSPECT	10-25-04	RTL
660	PACK	11-2-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington®
REG. U.S. PAT. & TM. OFF.

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

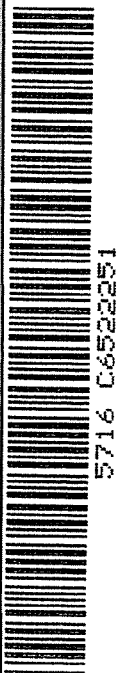
MODEL 700™ M24

SERIAL NO. C6522251

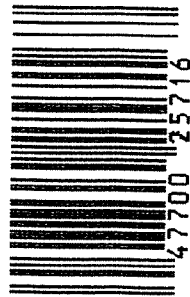
ORDER NO. 5716

Ø1

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



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522251

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/26/90	KL
600	Proof		6/26/90	KL
607	Check Headspace		6/26/90	KL
610	Dis-assemble Gun		6/26/90	KL
612	Magnaflux Barrel Action		7/10/90	KR
	Magnaflux Bolt		7/10/90	KR
615	Rollmark Caliber		7/10/90	S.S.
617	Drill and Tap Sight Holes		7/4/90	W.B.
618	Polish Barrel <i>RB</i>		7/3/90	W.B.
620	Apply Coatings (Barrel Action)		7-23-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/30/90	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/30/90	KL
	C) Inspect Ejector Hole for Chamfer		7/30/90	KL
	D) Oil Firing Pin Ass'y		7/30/90	KL
	E) Adjust Trigger Pull to Min Setting and Stake		7-13-90	KL

BARBER - M24 0002258

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			7/31/90	JH
	G) Safety Off Force	3	3	3			7/31/90	JH
	H) Trigger Pull Test & Retainability						9-13-90	JH
	I) Firing Pin Indent	.0235	.0235	.023			7/31/90	JH
	J) Assemble Stock						7/31/90	KH
	K) Assemble Swivel Studs						9/14/90	108
	L) Attach Front and Rear Sight Assemblies						7/31/90	KH
	M) Iron Sight Alignment						7/31/90	KH
	N) Detach Front & Rear Sights & place in numbered container						7/31/90	KH
	O) Attach Scope to Rifle						7/31/90	KH
	P) Detach & Attach Scope 20 Times						7/31/90	KH
640	Gallery Target & Test						8-1-90	AC
	A) Time						8-1-90	AC
	B) Malfunctions						8-1-90	AC
	C) Pierced Primers						8-1-90	AC
	D) Optical Clarity of Scope						8-1-90	AC
645	Inspect for Live Ammo						8-1-90	AC
655	Final Inspection							
	A) Headspace						9/14/90	918
	B) Trigger Pull	2.34	2.18	2.44	2.12	2.36	9-13-90	JH
	C) Function						9/14/90	918
660	Pack						9-18-90	JH

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF	shot 100's OK 8/16/90 DH	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD.		GA. CAL.	GUN #
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Don't eject	KS
	2nd	Chg'd EXTRACTOR	KS 8/7/90
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522251

DATE 9-13-90

TESTER JH.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.49	2.43	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.44	2.12	2.18	
PULL #3	2.34	2.19	2.18	2.44	
PULL #4	2.31	2.36	2.41	2.12	
PULL #5	2.49	2.46	2.45	2.36	
TOTAL	11.97	11.94	11.59	11.44	
AVG.	2.394	2.388	2.318	2.288	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.32		
PULL #2	3.21	3.07		
PULL #3	3.17	3.25		
PULL #4	3.11	3.34		
PULL #5	3.03	3.09		
TOTAL	15.86	16.07		
AVG.	3.172	3.214		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.43		4.37
PULL #2	4.28	4.21		4.31
PULL #3	4.45	4.21		4.31
PULL #4	4.27	4.38		4.19
PULL #5	4.17	4.15		4.28
TOTAL	21.52	21.38		21.46
AVG.	4.304	4.276		4.292

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522251
1 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.152279
1 TO	2	.42547
1 TO	3	.211256
1 TO	4	.133417
1 TO	5	.214979

426 <----POA

THE AVERAGE COORDINATES FOR THIS RIFLE IS: -.0704
THE AVERAGE COORDINATES FOR THIS RIFLE IS: .0054
THE RESULTING AVERAGE ALL RADIOS FOR THIS RIFLE IS: .0706068
THE ANG FOR THIS RIFLE IS: .07214

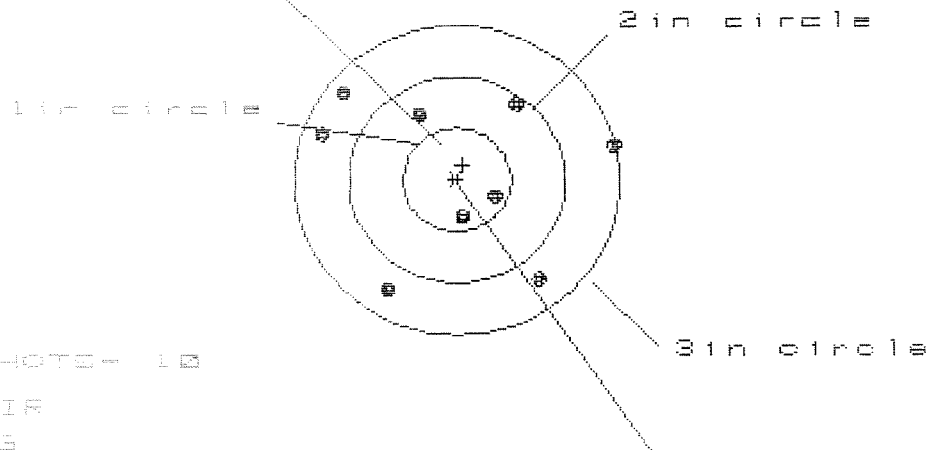
1 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522251

CENTERFIRE PATTERNS

1

POB



OF SHOTS - 10

= 1/4 CIR

1/4 = 3

2/4 = 5

3/4 = 6

MEAN = 1.977

V.S. = 1.877

G.S. = 2.726

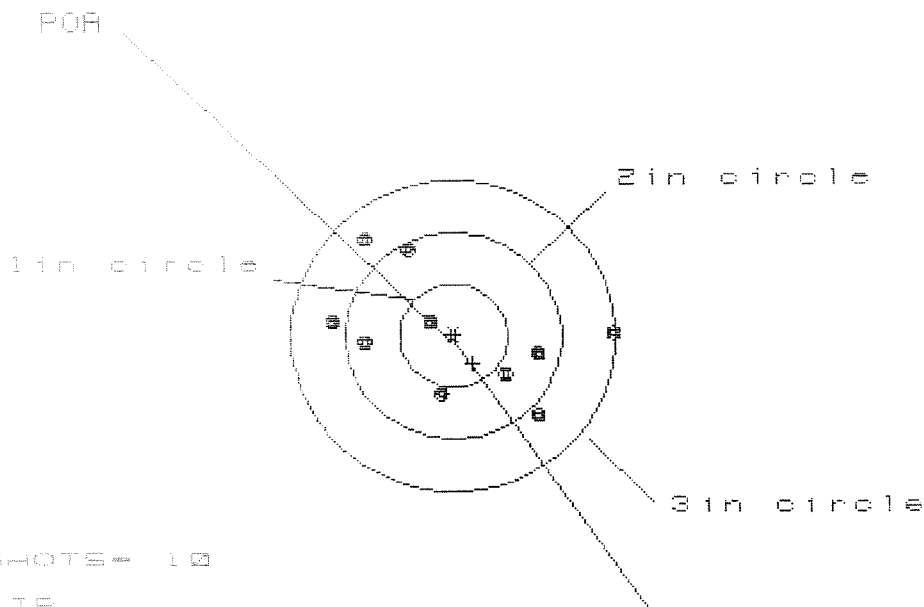
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.491	.970	.856
MINIMUM X	-1.234	-1.068	-1.182
MAXIMUM Y	.809	.843	.901
MINIMUM Y	-1.057	-1.034	-.928
CENTROID X	-.055	-.221	-.107
CENTROID Y	-.142	-.176	-.282
POB TO CENTROID (in.)	.153	.282	.301
MIN RADIUS	.365	.388	.242
MEAN RADIUS	.950	.989	.807
MAX RADIUS	1.522	1.357	1.316
HORIZONTAL SPREAD	2.725	2.038	2.038
VERTICAL SPREAD	1.877	1.877	1.829
EXTREME SPREAD	2.726	2.599	2.484
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

1 Aug 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C8522251

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

CIR = 2.267

VR= 1.708

GR= 2.598

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.459	.989	.902
MINIMUM X	-1.128	-.966	-1.053
MAXIMUM Y	.918	.909	.905
MINIMUM Y	-.798	-.799	-.686
CENTROID X	-.179	-.341	-.254
CENTROID Y	.265	.266	.153
POR TO CENTROID in.	.319	.432	.296
MIN RADIUS	.224	.136	.269
MEAN RADIUS	.889	.807	.762
MAX RADIUS	1.459	1.214	1.075
HORIZONTAL SPREAD	2.587	1.955	1.955
VERTICAL SPREAD	1.708	1.708	1.591
EXTREME SPREAD	2.598	2.344	2.086
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

1 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522251

CENTERFIRE PATTERNS # 3

POR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 8

2in = 10

3in = 10

HS= 1.444

VS= .631

GS= 1.504

CENTROID #

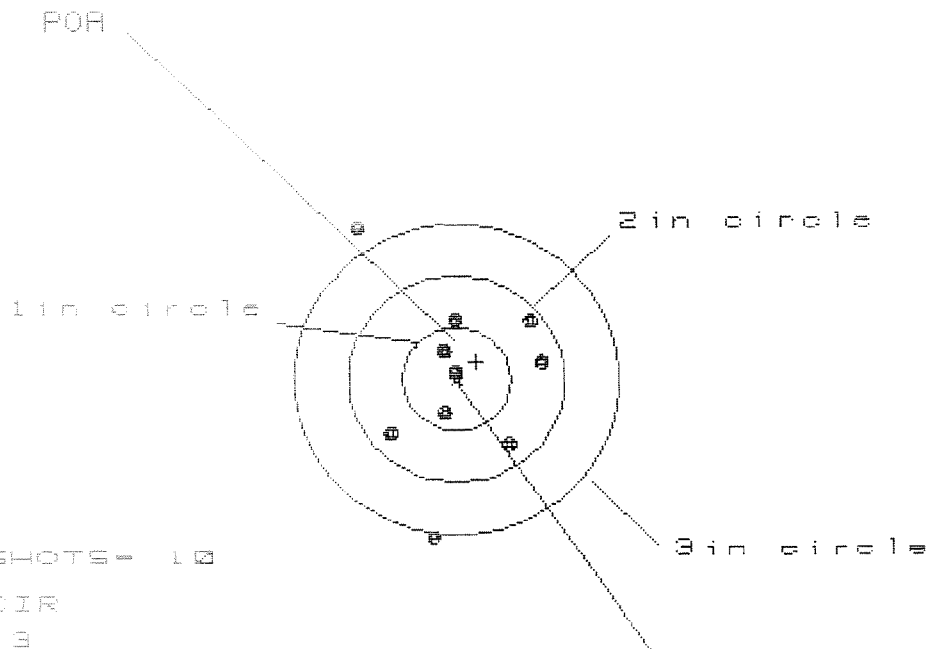
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.832
MINIMUM X	-.613
MAXIMUM Y	.368
MINIMUM Y	-.263
CENTROID X	-.022
CENTROID Y	.068
POR TO CENTROID in.	.075
MIN RADIUS	.150
MEAN RADIUS	.421
MAX RADIUS	.858
HORIZONTAL SPREAD	1.444
VERTICAL SPREAD	.631
EXTREME SPREAD	1.504
NUMBER IN ONE INCH CIRCLE	8
NUMBER IN TWO INCH CIRCLE	10
NUMBER IN THREE INCH CIRCLE	10

1 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08522251

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 8

HSE= 1.624

VSE= 2.983

GSE= 3.047

CENTROID *

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.743
MINIMUM X	-.881
MAXIMUM Y	1.432
MINIMUM Y	-1.550
CENTROID X	-.185
CENTROID Y	-.172
POA TO CENTROID in.	.252
MIN RADIUS	.061
MEAN RADIUS	.785
MAX RADIUS	1.682
HORIZONTAL SPREAD	1.624
VERTICAL SPREAD	2.983
EXTREME SPREAD	3.047
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	8

1 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522251

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 6

2in = 10

3in = 10

HS= 1.067

VS= 1.671

GS= 1.699

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.692	.679	.737
MINIMUM X	:	-.375	-.388	-.330
MAXIMUM Y	:	.929	.889	.576
MINIMUM Y	:	-.742	-.639	-.527
CENTROID X	:	.099	.112	.054
CENTROID Y	:	.008	-.095	-.207
POA TO CENTROID in.	:	.099	.147	.214
MIN RADIUS	:	.295	.197	.077
MEAN RADIUS	:	.562	.498	.393
MAX RADIUS	:	.936	1.000	.737
HORIZONTAL SPREAD	:	1.067	1.067	1.067
VERTICAL SPREAD	:	1.671	1.528	1.103
EXTREME SPREAD	:	1.699	1.553	1.137
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	