

BARBER - M24 0012922

C6225328

MODEL 706TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Speed[®]

No. 2152-51

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

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0012922 **M2400012961**

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

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

MODEL 700TM H24

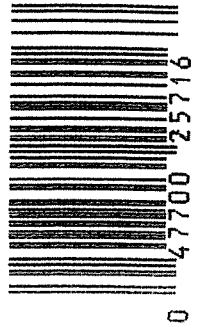
SERIAL NO.
06225328

ORDER NO.
5716

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



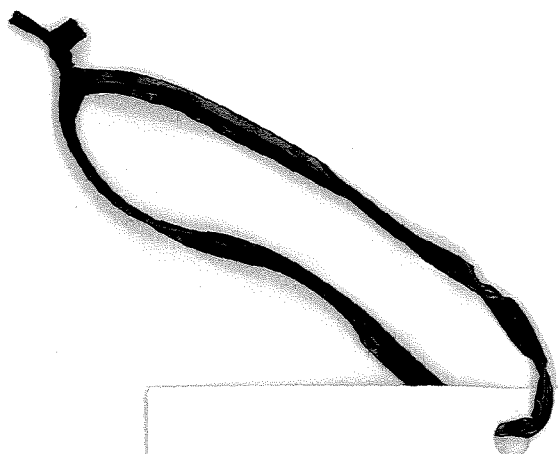
UPC



MOD. _____ GA. _____ GUN # C6225328

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st		
		<i>cuts brass Don't extract</i>	
	2nd		
<i>1/27/89</i>		<i>New Extractor + Polish End of Ejector</i>	
	3rd		
	4th		

FUNCTION _____ RD 6654 Rev 1



TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	<i>Tested OK</i>	<i>1</i>
TEST <i>KA</i>		
TGT		
PROOF	<i>100 Rds</i>	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225328

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	9 12	88	FB
600	Proof	9 19	88	RW
607	Check Headspace	9 19	88	RW
610	Dis-assemble Gun	9 19	88	RW
612	Magnaflux Barrel Action		9-22-88	A/C.
	Magnaflux Bolt		9-22-88	A/C.
615	Rollmark Caliber		10-22	G.S.
617	Drill and Tap Sight Holes		10-23	FB
618	Polish Barrel		10-24	WJT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coating (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/15/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/15/88	RW
	C) Inspect Ejector Hole for Chamfer		11/15/88	RW
	D) Oil Firing Pin Ass'y		11/15/88	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/15/88	RW

BARBER - M24-0012927							
op. #	OP. NAME	READINGS			DATE	INITIAL	
625 cont.	F) Safety On Force	5	5	5	17 Nov 88	JS	
	G) Safety Off Force	3	3	3	17 Nov 88	JS	
	H) Trigger Pull Test & Retainability				16 Nov 88	JS	
	I) Firing Pin Indent	.0205	.0205	.0205	17 Nov 88	JS	
	J) Assemble Stock				1/17/89	RW	
	K) Assemble Swivel Studs						
	L) Attach Front and Rear Sight Assemblies				1/18/89	RW	
	M) Iron Sight Alignment				1/18/89	RW	
	N) Detach Front & Rear Sights & place in numbered container				1/18/89	RW	
	O) Attach Scope to Rifle				1/16/89	JV.	
	P) Detach & Attach Scope 20 Times				1/14/89	JL.	
640	Gallery Target & Test	R 56	L 96		1/23/89	DH	
	A) Time				1/23/89	DH	
	B) Malfunctions				1/23/89	DH	
	C) Pierced Primers				1/23/89	DH	
	D) Optical Clarity of Scope				1/23/89	DH	
645	Inspect for Live Ammo				1/23/89	DH	
655	Final Inspection						
	A) Headspace				27 Jan 89	JS	
	B) Trigger Pull	2.66	2.68	2.72	2.45	2.72	27 Jan 89
	C) Function					27 Jan 89	JS
660	Pack					28 Mar 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 6225328

DATE 4/4/90

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.46	2.41	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.40	2.50	
PULL #3	2.41	2.43	2.48	
PULL #4	2.38	2.43	2.54	
PULL #5	2.39	2.41	2.46	
TOTAL	12.06	12.08	12.47	
AVG.	2.41	2.41	2.49	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.31	3.19	
PULL #2	3.22	3.27	
PULL #3	3.24	3.26	
PULL #4	3.23	3.21	
PULL #5	3.30	3.30	
TOTAL	16.30	16.23	
AVG.	3.26	3.24	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.17		
PULL #2	4.18	4.31		
PULL #3	4.26	4.03		
PULL #4	4.24	4.30		
PULL #5	4.25	4.04		
TOTAL	21.09	20.85		
AVG.	4.21	4.17		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225328
26 Jan 1989

CENTROIDAL DISTANCES

0 TO	1	.414077
1 TO	2	.543568
1 TO	3	.345672
1 TO	4	.0591354
1 TO	5	.195533

53b <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2768
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0946
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .292519

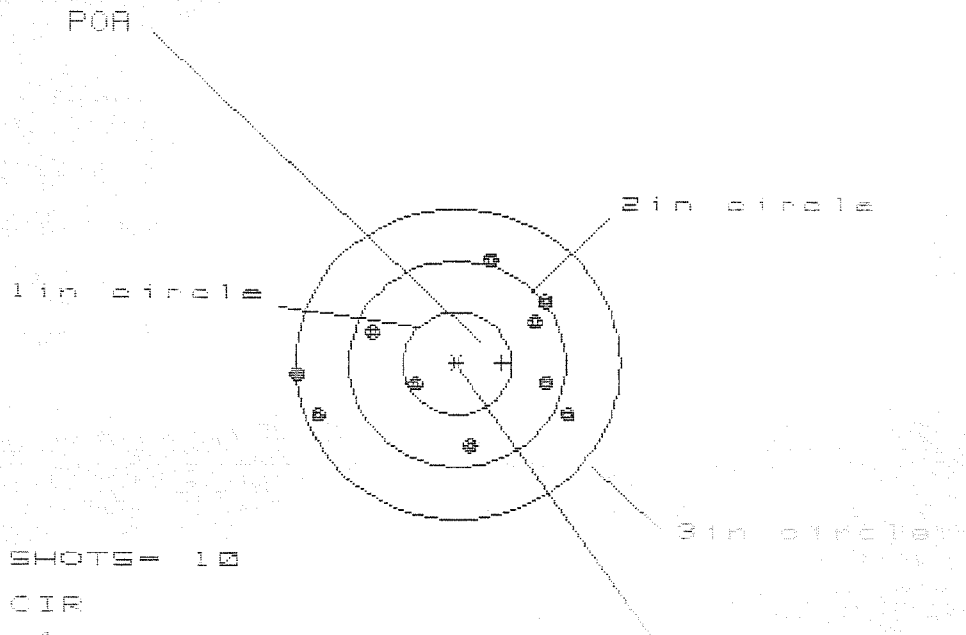
THE AMR FOR THIS RIFLE IS: .9652

25 Jan 1999

FILE:/PATTERNING/CENTERFIRE_PATT/08225328

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.505

VS= 1.811

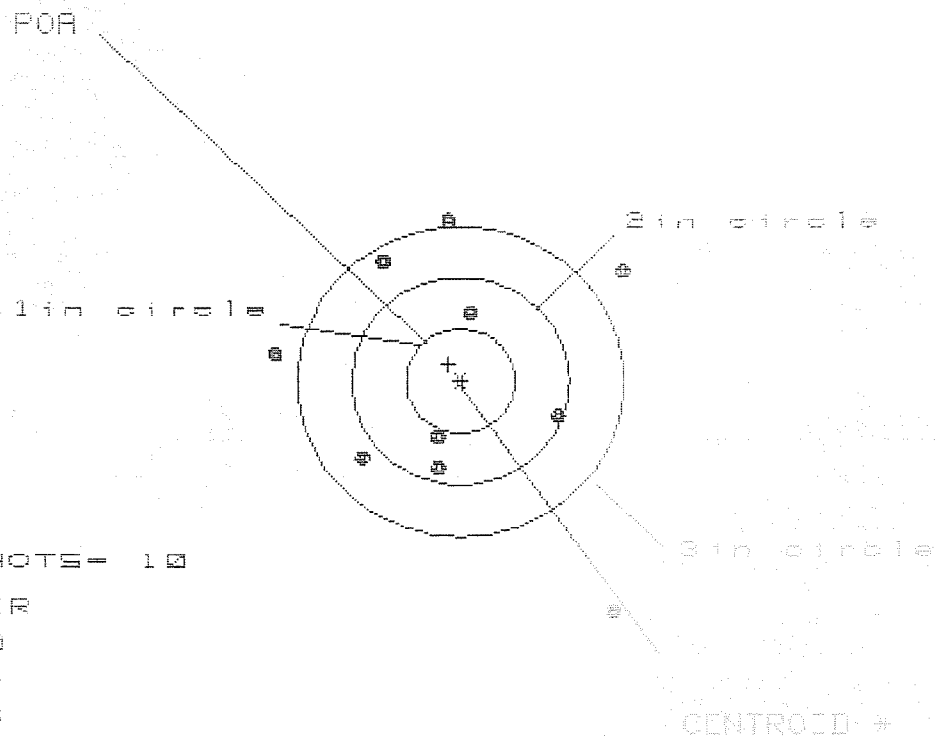
GS= 2.535

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.017	.851	.670
MINIMUM X	-1.408	-1.454	-1.094
MAXIMUM Y	.993	.986	.920
MINIMUM Y	-.818	-.825	-.891
CENTROID X	-.414	-.248	-.067
CENTROID Y	-.008	-.001	.065
POA TO CENTROID in.	.414	.248	.093
MIN RADIUS	.407	.556	.469
MEAN RADIUS	.977	.901	.789
MAX RADIUS	1.489	1.548	1.113
HORIZONTAL SPREAD	2.505	2.305	1.764
VERTICAL SPREAD	1.811	1.811	1.811
EXTREME SPREAD	2.535	2.398	1.912
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225328

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

ME = 3.145

VS = 3.784

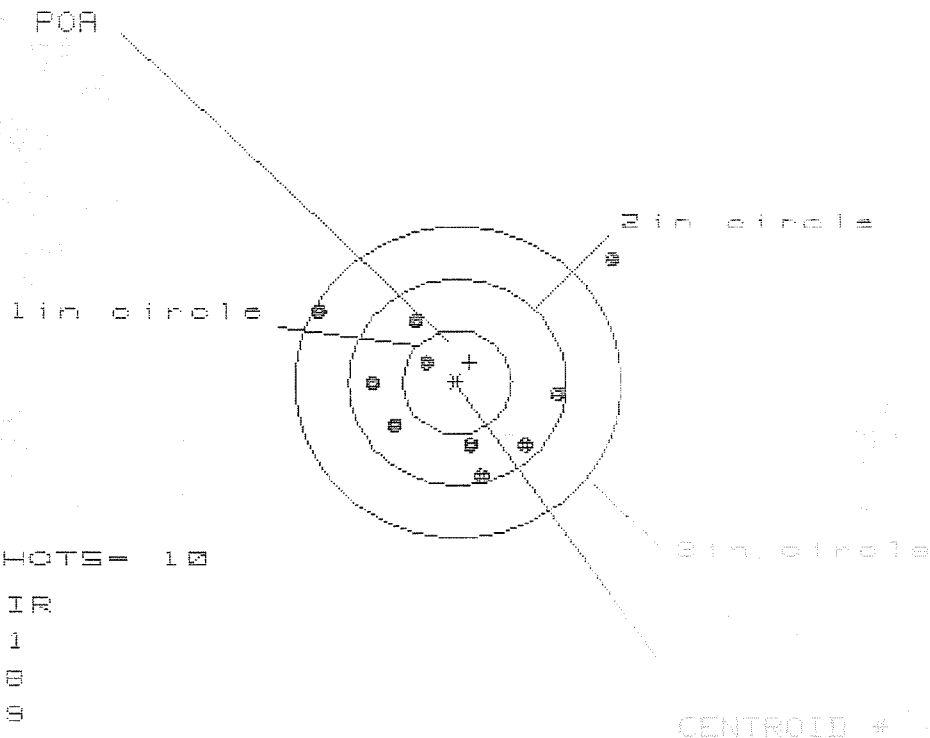
GS = 4.078

PATTERN #	2	10	9	8
SHOTS (BEST OF)	10	9	8	
MAXIMUM X	1.466	1.620	1.273	
MINIMUM X	-1.679	-1.525	-1.323	
MAXIMUM Y	1.515	1.263	1.358	
MINIMUM Y	-2.269	-1.061	-1.966	
CENTROID X	.107	-.047	-.249	
CENTROID Y	-.163	.089	-.006	
POA TO CENTROID in.	.195	.101	.249	
MIN RADIUS	.540	.454	.660	
MEAN RADIUS	1.314	1.148	1.054	
MAX RADIUS	2.657	1.791	1.376	
HORIZONTAL SPREAD	3.145	3.145	2.596	
VERTICAL SPREAD	3.784	2.324	2.324	
EXTREME SPREAD	4.078	3.228	2.689	
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	6		

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225828

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HS= 2.678

VS= 2.098

GS= 2.717

CENTROID #

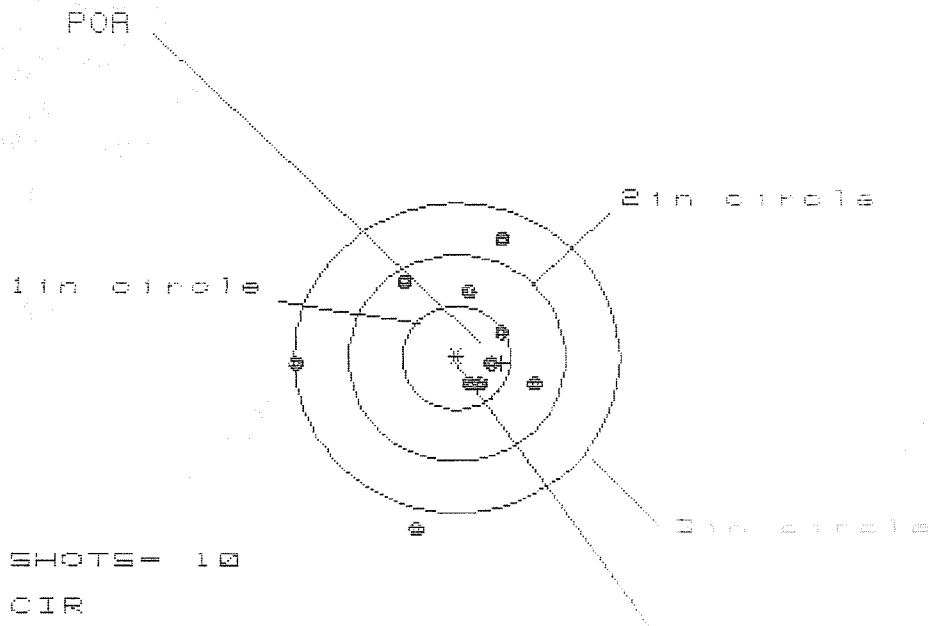
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.377	1.043	.899
MINIMUM X	-1.301	-1.148	-.762
MAXIMUM Y	1.153	.825	.791
MINIMUM Y	-.945	-.817	-.714
CENTROID X	-.122	-.275	-.131
CENTROID Y	-.193	-.321	-.424
POA TO CENTROID in.	.228	.422	.444
MIN RADIUS	.362	.368	.373
MEAN RADIUS	.913	.784	.697
MAX RADIUS	1.796	1.414	.987
HORIZONTAL SPREAD	2.678	2.191	1.661
VERTICAL SPREAD	2.098	1.642	1.505
EXTREME SPREAD	2.717	2.352	1.665
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225328

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 2.213

VS = 2.794

GS = 2.903

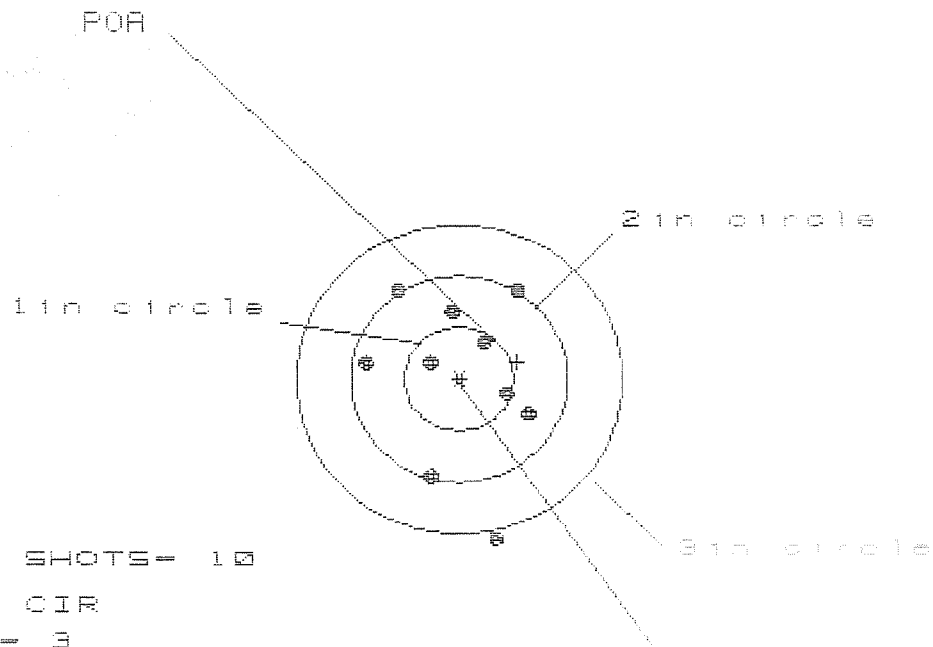
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.727	.684	.493
MINIMUM X	-1.486	-1.529	-.717
MAXIMUM Y	1.118	.931	.896
MINIMUM Y	-1.676	-.483	-.518
CENTROID X	-.418	-.375	-.184
CENTROID Y	.051	.238	.273
POA TO CENTROID in.	.421	.444	.329
MIN RADIUS	.310	.363	.212
MEAN RADIUS	.820	.707	.558
MAX RADIUS	1.720	1.555	.911
HORIZONTAL SPREAD	2.213	2.213	1.210
VERTICAL SPREAD	2.794	1.414	1.414
EXTREME SPREAD	2.903	2.243	1.613
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/00225328

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.436

VS = 2.407

GS = 2.517

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.587	.622	.588
MINIMUM X	-.849	-.814	-.848
MAXIMUM Y	.869	.699	.554
MINIMUM Y	-1.538	-1.157	-.682
CENTROID X	-.537	-.572	-.538
CENTROID Y	-.160	.011	.156
POA TO CENTROID in.	.561	.572	.560
MIN RADIUS	.326	.269	.217
MEAN RADIUS	.802	.687	.605
MAX RADIUS	1.568	1.189	.900
HORIZONTAL SPREAD	1.436	1.436	1.436
VERTICAL SPREAD	2.407	1.856	1.236
EXTREME SPREAD	2.517	2.027	1.638
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

Serial Number: **C6225328**

Model: 700



RE00022072

BARBER - M24 0012936

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225328
14 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0436$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $.2082$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.212716$

THE AMR FOR THIS RIFLE IS: 1.048

CENTROIDAL DISTANCES

Ø TO	1	.473381
1 TO	2	.485176
1 TO	3	.298613
1 TO	4	.207781
1 TO	5	.784929

1 4 3 5
2 <----POA

BARBER - M24 0012937

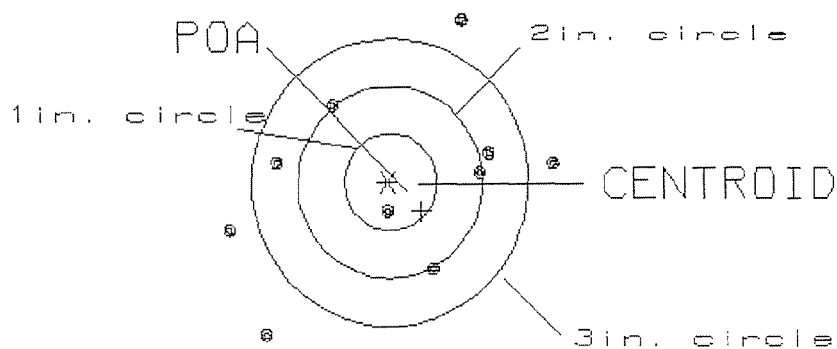
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐
POA TO CENTROID: .473
MIN RADIUS : .296
MEAN RADIUS : 1.299
MAX RADIUS : 2.084
CENTROID X : -.367
CENTROID Y : .299

14 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225328

CENTERFIRE PATTERN # 1

OF SHOTS= 10

IN CIRCLE

HS= 3.46

1

VS= 3.27

3

GS= 3.86

6

BARBER - M24 0012938

REMINGTON CENTERFIRE ACCURACY TEST

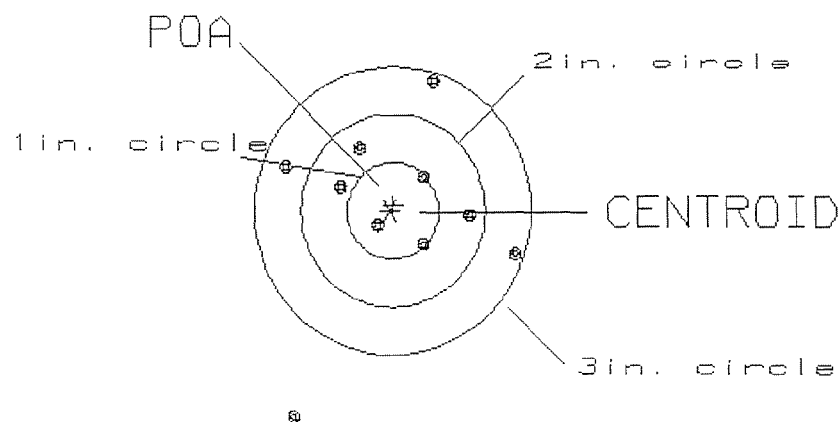
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .060
MIN RADIUS : .207
MEAN RADIUS : .986
MAX RADIUS : 2.358
CENTROID X : -.031
CENTROID Y : -.051

14 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225328

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 2.47

2

VS= 3.49

6

GS= 3.80

9

BARBER - M24 0012939

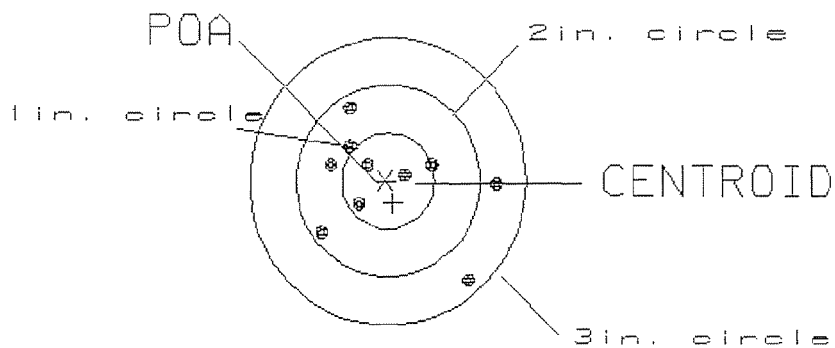
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 3
POA TO CENTROID: .245
MIN RADIUS : .216
MEAN RADIUS : .694
MAX RADIUS : 1.341
CENTROID X : -.076
CENTROID Y : .232

14 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225328

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 1.93

3

VS= 1.78

8

GS= 2.20

10

BARBER - M24 0012940

REMINGTON CENTERFIRE ACCURACY TEST

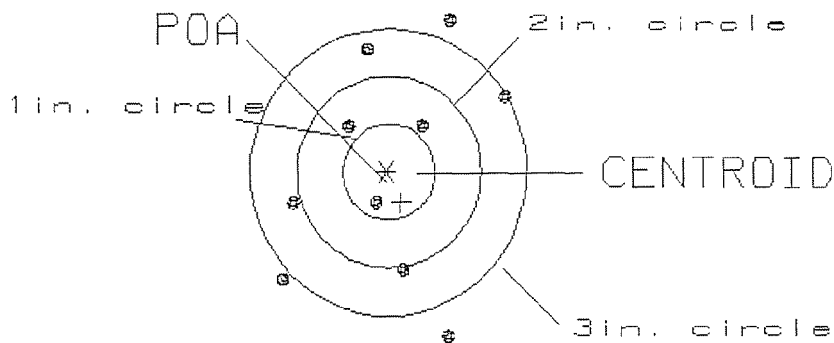
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .355
 MIN RADIUS : .336
 MEAN RADIUS : 1.161
 MAX RADIUS : 1.867
 CENTROID X : -.160
 CENTROID Y : .317

14 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225328

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.39

1

VS= 3.29

3

GS= 3.29

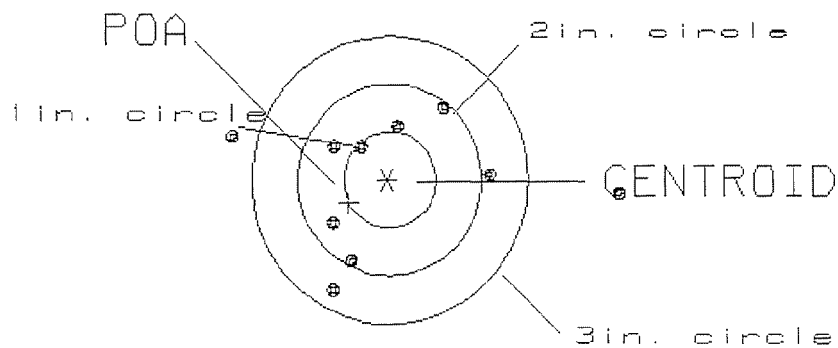
7

PATTERN #: L 5 C
POA TO CENTROID: .482
MIN RADIUS : .444
MEAN RADIUS : 1.102
MAX RADIUS : 2.463
CENTROID X : .416
CENTROID Y : .244

14 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225326

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 4.14

1

VS= 1.94

6

GS= 4.17

8

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

R & E NUMBER 22072

SERIAL NUMBER C-6225328

LOG-IN DATE 1-31-01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-2-01	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE	2-7-01	CK
610	DIS-ASSEMBLE GUN	2-7-01	CK
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	3-13-01	CK
655	FINAL INSPECT	3-15-01	CK
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

Sn: C-6225328

DATE REC'D: 1-31-01

DATE RET'D:

AUDITOR: C/K

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: