

06636132

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®
REG. U.S. PAT. & TM. OFF.

DUPONT

MODEL 700™ M24

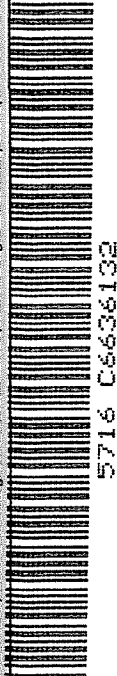
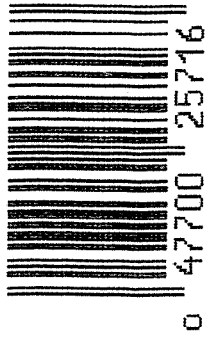
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6636132

ORDER NO.
5716

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

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636132

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/3/91	K.S.
600	Proof		4/3/91	K.S.
607	Check Headspace		4/3/91	K.S.
610	Dis-assemble Gun		4/3/91	K.S.
612	Magnaflux Barrel Action		4/10/91	KR
	Magnaflux Bolt		4/10/91	CR
615	Rollmark Caliber		4/10/91	JS
617	Drill and Tap Sight Holes		APR 19 1991	EB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	KA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/25/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/28/91	KS
	C) Inspect Ejector Hole for Chamfer		5/28/91	KS
	D) Oil Firing Pin Ass'y		5/28/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6/29/91	JS

op. #	BARBER - M24 0038094 OP. NAME	READINGS			DATE	INIT	
625 cont.	F) Safety On Force	5	5	5	5/29/91	SL	
	G) Safety Off Force	3	3	3	5/29/91	SL	
	H) Trigger Pull Test & Retainability				5/29/91	SL	
	I) Firing Pin Indent	.020	.0215	.0215	5/29/91	SL	
	J) Assemble Stock				5/29/91	KS	
	K) Assemble Swivel Studs				6-13-91	K	
	L) Attach Front and Rear Sight Assemblies				5/29/91	KS	
	M) Iron Sight Alignment				5/29/91	KS	
	N) Detach Front & Rear Sights & place in numbered container				5/29/91	KS	
	O) Attach Scope to Rifle				5/29/91	KS	
	P) Detach & Attach Scope 20 Times				5/29/91	KS	
640	Gallery Target & Test				5-30-91	NF	
	A) Time				"	NF	
	B) Malfunctions				"	NF	
	C) Pierced Primers				"	NF	
	D) Optical Clarity of Scope				"	NF	
645	Inspect for Live Ammo				5-30-91	NF	
655	Final Inspection						
	A) Headspace				6-13-91	K	
	B) Trigger Pull	2.61	2.60	2.62	2.64	2.61	6-13-91
655	C) Function				6-13-91	K	
660	Pack				6-19-91	NF	

MOD.		GA. CAL.	GUN #	ASSEM. #
#	TEST	DATE	MALFUNCTION/DEFECT	
	1st			
	5-31-91		EDS	
	2nd			
	6/4/91		Changed Extractor	
	3rd			
	6-29-91		100 RBs test OK D/H	
	4th			
		FUNCTION		

RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	100RD5 test OK G1291	15
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636132

DATE 5/29/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.25	2.53	2.50	2.61	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.51	2.48	2.60	
PULL #3	2.24	2.51	2.53	2.62	
PULL #4	2.59	2.52	2.51	2.64	
PULL #5	2.52	2.58	2.56	2.61	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.68	3.55		
PULL #2	3.45	3.54		
PULL #3	3.45	3.58		
PULL #4	3.49	3.59		
PULL #5	3.50	3.54		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.33		4.42
PULL #2	4.41	4.38		4.41
PULL #3	4.38	4.35		4.46
PULL #4	4.41	4.40		4.46
PULL #5	4.40	4.40		4.33
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636132
30 May 1991

CENTROIDAL DISTANCES

0 TO	1	.333014
1 TO	2	.238849
1 TO	3	.663027
1 TO	4	.374995
1 TO	5	.347899

$\bar{x}^3$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .153
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0328
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .156476

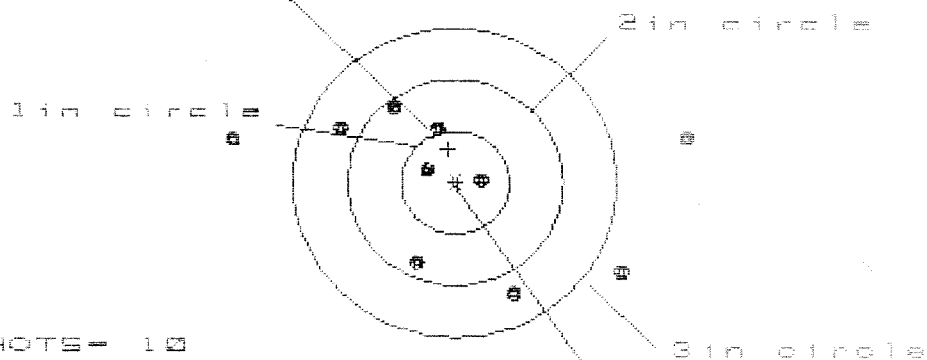
THE AMR FOR THIS RIFLE IS: 1.035

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8538132

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 4.211

VS= 1.850

GS= 4.211

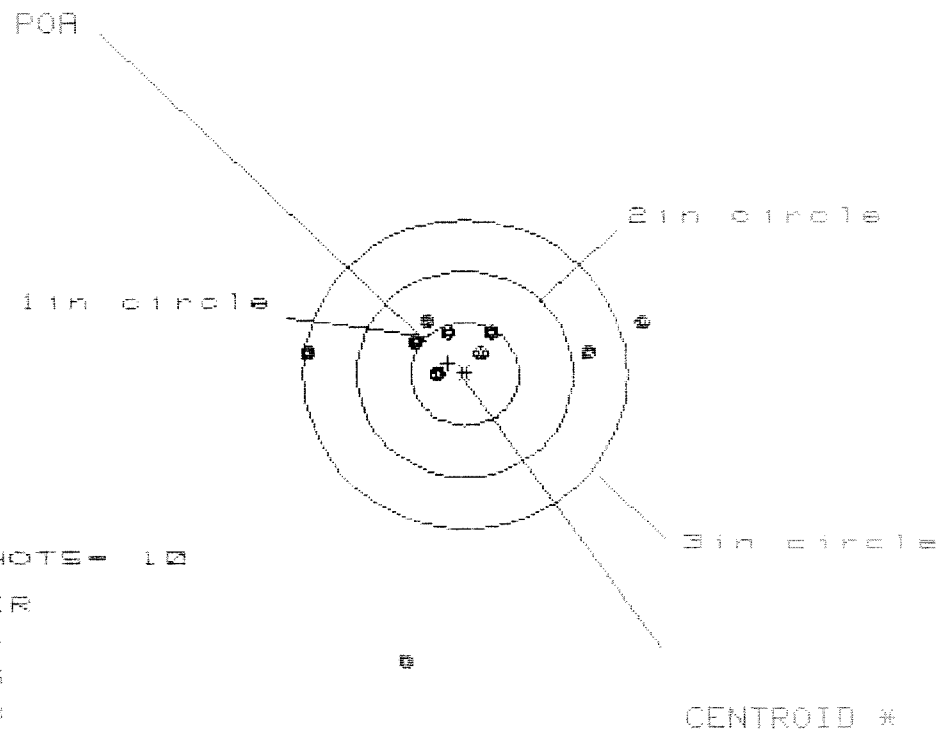
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.145	1.733	1.504
MINIMUM X	-2.066	-1.827	-1.009
MAXIMUM Y	.758	.802	.861
MINIMUM Y	-1.092	-1.048	-.989
CENTROID X	.063	-.176	.053
CENTROID Y	-.327	-.371	-.430
POA TO CENTROID in.	.333	.411	.434
MIN RADIUS	.229	.201	.257
MEAN RADIUS	1.126	.993	.881
MAX RADIUS	2.183	1.905	1.673
HORIZONTAL SPREAD	4.211	3.560	2.513
VERTICAL SPREAD	1.850	1.850	1.850
EXTREME SPREAD	4.211	3.778	2.856
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06638132

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 6

3 in = 8

HS= 3.139

VS= 3.355

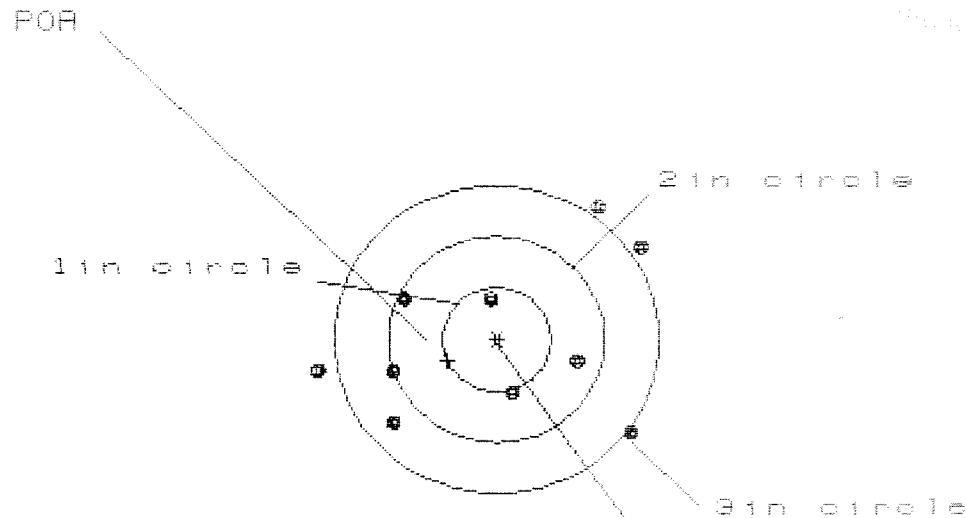
GS= 4.049

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.685	1.618	1.264
MINIMUM X	:	-1.454	-1.521	-1.319
MAXIMUM Y	:	.520	.205	.229
MINIMUM Y	:	-2.835	-.295	-.271
CENTROID X	:	.156	.223	.021
CENTROID Y	:	-.107	.208	.184
POA TO CENTROID in.	:	.189	.305	.185
MIN RADIUS	:	.249	.119	.149
MEAN RADIUS	:	.985	.685	.536
MAX RADIUS	:	2.898	1.629	1.320
HORIZONTAL SPREAD	:	3.139	3.139	2.583
VERTICAL SPREAD	:	3.355	.500	.500
EXTREME SPREAD	:	4.049	3.151	2.583
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636132

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 6

HS= 3.012

VS= 2.194

GS= 3.221

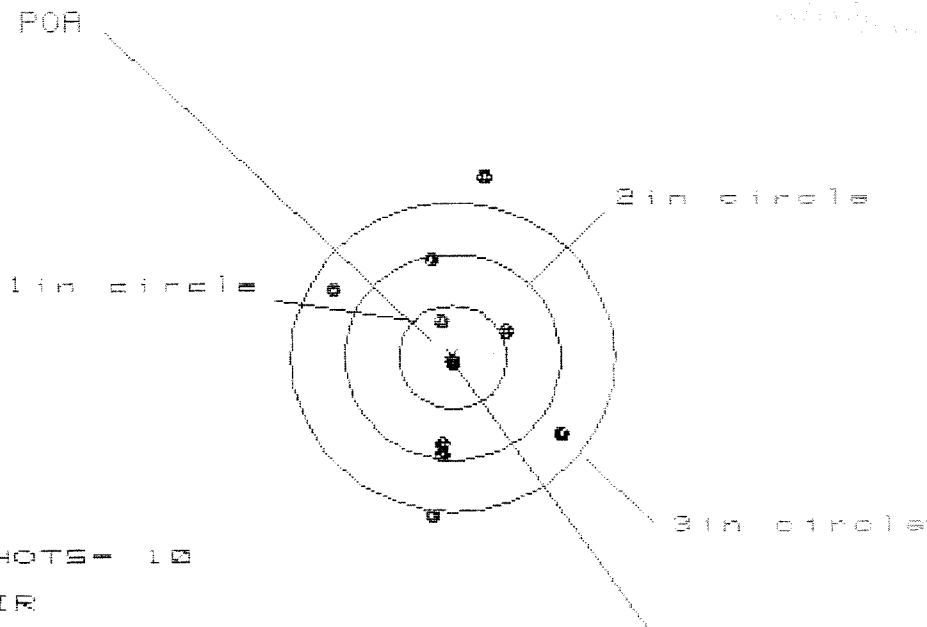
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.355
MINIMUM X	-1.657
MAXIMUM Y	1.264
MINIMUM Y	-.930
CENTROID X	.456
CENTROID Y	.207
POA TO CENTROID in.	.500
MIN RADIUS	.434
MEAN RADIUS	1.134
MAX RADIUS	1.680
HORIZONTAL SPREAD	3.012
VERTICAL SPREAD	2.194
EXTREME SPREAD	3.221
NUMBER IN ONE INCH CIRCLE	= 1
NUMBER IN TWO INCH CIRCLE	= 5
NUMBER IN THREE INCH CIRCLE	= 6

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636132

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.086

VS = 3.241

GS = 3.282

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.988	1.021	.999
MINIMUM X	-1.098	-1.065	-1.087
MAXIMUM Y	1.737	1.178	1.014
MINIMUM Y	-1.584	-1.311	-1.931
CENTROID X	.002	-.031	-.009
CENTROID Y	.043	-.150	.014
POA TO CENTROID in.	.043	.153	.016
MIN RADIUS	.025	.206	.049
MEAN RADIUS	.954	.875	.786
MAX RADIUS	1.763	1.390	1.309
HORIZONTAL SPREAD	2.086	2.086	2.086
VERTICAL SPREAD	3.241	2.489	1.945
EXTREME SPREAD	3.282	2.529	2.529
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636132

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS = 3.489

VS = 1.790

GS = 3.490

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.579
MINIMUM X	-1.910
MAXIMUM Y	.709
MINIMUM Y	-1.081
CENTROID X	.088
CENTROID Y	.020
POA TO CENTROID in.	.090
MIN RADIUS	.311
MEAN RADIUS	.978
MAX RADIUS	1.911
HORIZONTAL SPREAD	3.489
VERTICAL SPREAD	1.790
EXTREME SPREAD	3.490
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	8