

C6636135

MODEL 700™ M24

Model **SMS**™

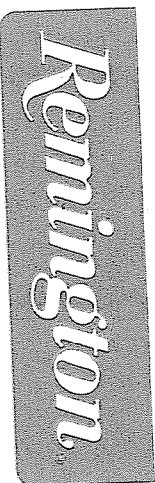
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0038127

UPC



0 47700 25716 7

Remington		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6636135	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			

20



5716 C6636135

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0038127

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636135

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2	9 1	RW
600	Proof	5 2	9 1	RW
607	Check Headspace	5 2	9 1	RW
610	Dis-assemble Gun	5 2	9 1	RW
612	Magnaflux Barrel Action	5 8	9 1	Kcd
	Magnaflux Bolt	5 8	9 1	Kcd
615	Rollmark Caliber	5 8	9 1	CS
617	Drill and Tap Sight Holes	5 15	9 1	FB
618	Polish Barrel	5 15	9 1	WB
620	Apply Coatings (Barrel Action)		5 8 9 1	AD
	Apply Coating (Bolt)		5 8 9 1	AD
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/30/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	RW
	C) Inspect Ejector Hole for Chamfer		5/30/91	RW
	D) Oil Firing Pin Ass'y		5/30/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/1/91	WB

op. #	BARBER - M24 0038129	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			6/1/91	WB
	G) Safety Off Force	8 1/2	8 1/2	8 1/2			6/1/91	WB
	H) Trigger Pull Test & Retainability						6/1/91	WB
	I) Firing Pin Indent	.022	.022	.022			6/1/91	WB
	J) Assemble Stock						6/3/91	RW
	K) Assemble Swivel Studs						6-8-91	D/H
	L) Attach Front and Rear Sight Assemblies						6/3/91	RW
	M) Iron Sight Alignment						6/3/91	RW
	N) Detach Front & Rear Sights & place in numbered container						6/3/91	RW
	O) Attach Scope to Rifle						6/3/91	RW
	P) Detach & Attach Scope 20 Times						6/3/91	RW
640	Gallery Target & Test						6-3-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						6-3-91	NF
655	Final Inspection							
	A) Headspace						6-8-91	D/H
	B) Trigger Pull	2.70	2.72	2.68	2.65	2.66	6-8-91	RW
	C) Function						6-8-91	D/H
660	Pack						6-20-91	NF

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

SERIAL NO. C6636135DATE 6/1/91TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.53	2.72	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.52	2.41	2.72	
PULL #3	2.53	2.33	2.51	2.68	
PULL #4	2.56	2.54	2.53	2.65	
PULL #5	2.29	2.52	2.52	2.66	
TOTAL	12.19	12.44	12.19		
AVG.	2.44	2.49	2.44		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.38		
PULL #2	3.48	3.29		
PULL #3	3.46	3.26		
PULL #4	3.29	3.31		
PULL #5	3.45	3.36		
TOTAL	17.11	16.60		
AVG.	3.42	3.32		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.28		4.49
PULL #2	4.13	4.30		4.48
PULL #3	4.15	4.24		4.14
PULL #4	4.13	4.33		4.28
PULL #5	4.13	4.34		4.10
TOTAL	20.64	21.49		20.88
AVG.	4.13	4.30		4.17

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636135
3 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.0320156
1 TO	2	.294768
1 TO	3	.288444
1 TO	4	.272883
1 TO	5	.251448

5
2

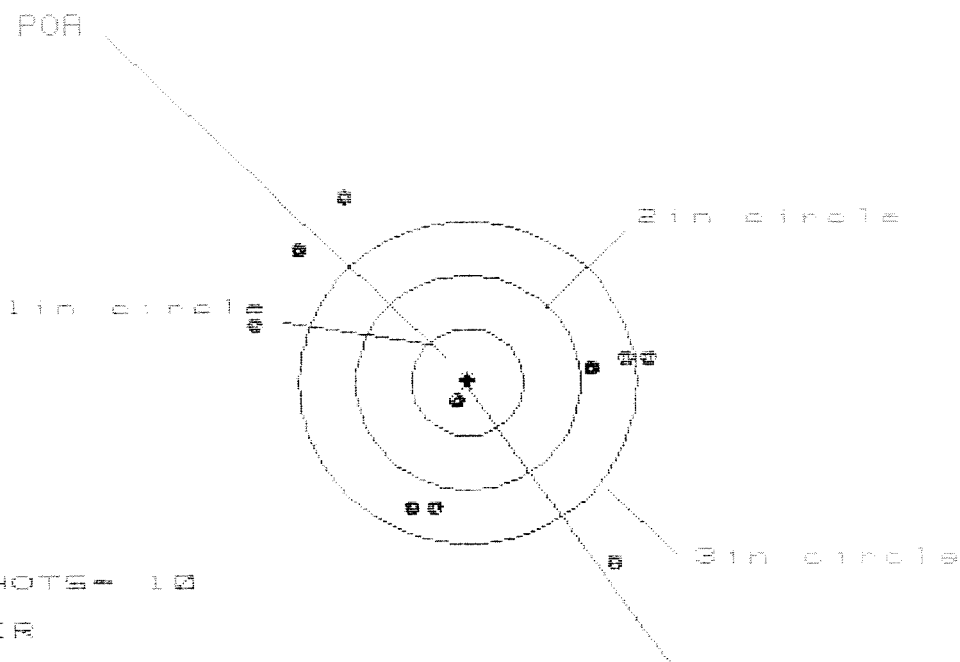
(----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.054
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0648
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0843507
THE AMR FOR THIS RIFLE IS: 1.099

3 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636135

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 1

3 in = 5

HS= 3.491

VS= 3.387

GS= 4.201

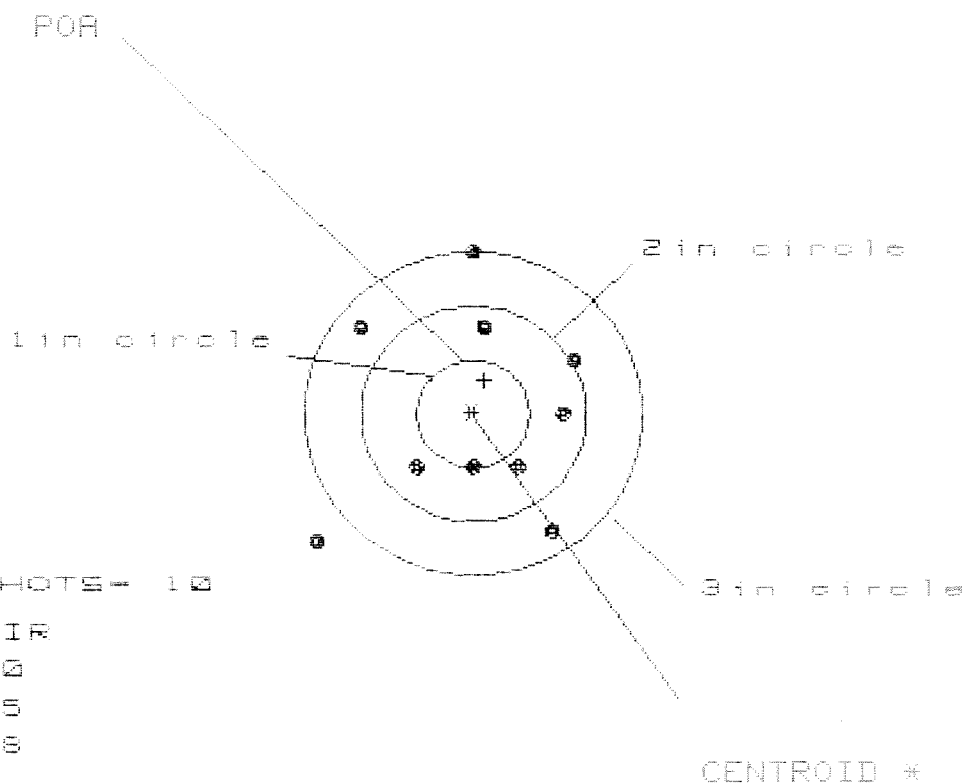
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.590	1.740	1.617
MINIMUM X	-1.901	-1.751	-1.874
MAXIMUM Y	1.713	1.527	1.266
MINIMUM Y	-1.674	-1.359	-1.168
CENTROID X	.001	-.149	-.025
CENTROID Y	-.032	.154	-.037
POA TO CENTROID in.	.032	.214	.045
MIN RADIUS	.164	.317	.144
MEAN RADIUS	1.491	1.439	1.337
MAX RADIUS	2.150	1.819	1.981
HORIZONTAL SPREAD	3.491	3.491	3.491
VERTICAL SPREAD	3.387	2.886	2.434
EXTREME SPREAD	4.201	3.501	3.501
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		1	
NUMBER IN THREE INCH CIRCLE =		5	

3 Jun 1981

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 2.318

VS= 2.699

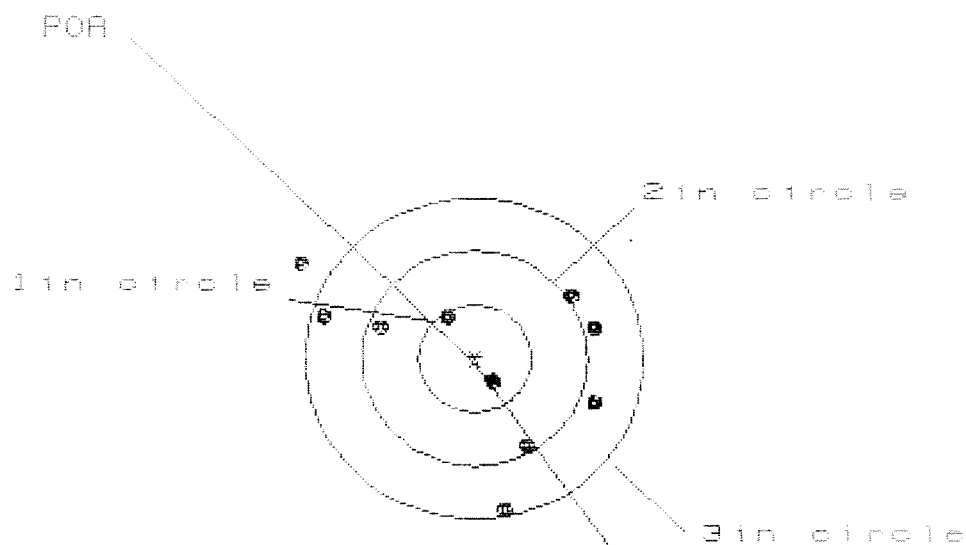
GS= 3.051

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.881	.722	.700
MINIMUM X	-1.437	-1.127	-1.149
MAXIMUM Y	1.540	1.411	.889
MINIMUM Y	-1.159	-1.206	-1.030
CENTROID X	-.097	.062	.084
CENTROID Y	-.310	-.181	-.357
POA TO CENTROID in.	.325	.191	.367
MIN RADIUS	.537	.625	.507
MEAN RADIUS	1.044	.940	.848
MAX RADIUS	1.846	1.422	1.453
HORIZONTAL SPREAD	2.318	1.849	1.849
VERTICAL SPREAD	2.699	2.617	1.919
EXTREME SPREAD	3.051	2.704	2.521
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

3 Jun 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.662

VS= 2.363

GS= 3.008

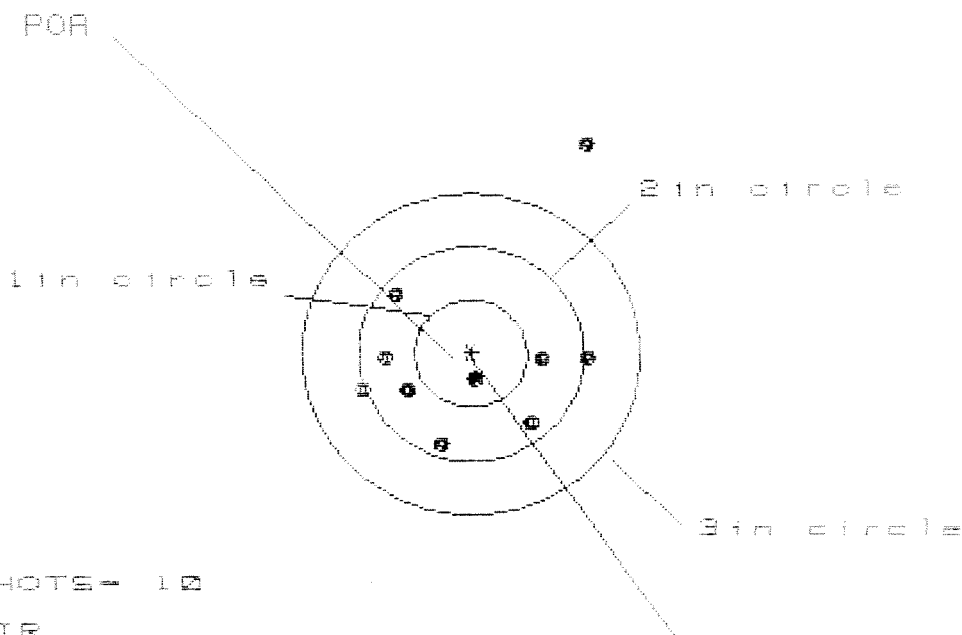
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.079	.903	.916
MINIMUM X	-1.583	-1.505	-1.492
MAXIMUM Y	.941	.692	.527
MINIMUM Y	-1.422	-1.318	-1.865
CENTROID X	-.159	.017	.004
CENTROID Y	.208	.104	.269
POR TO CENTROID in.	.262	.105	.269
MIN RADIUS	.272	.097	.262
MEAN RADIUS	1.045	.923	.876
MAX RADIUS	1.841	1.571	1.519
HORIZONTAL SPREAD	2.662	2.408	2.408
VERTICAL SPREAD	2.363	2.010	1.392
EXTREME SPREAD	3.008	2.470	2.470
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

3 Jun 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS = 2.047

VS = 2.745

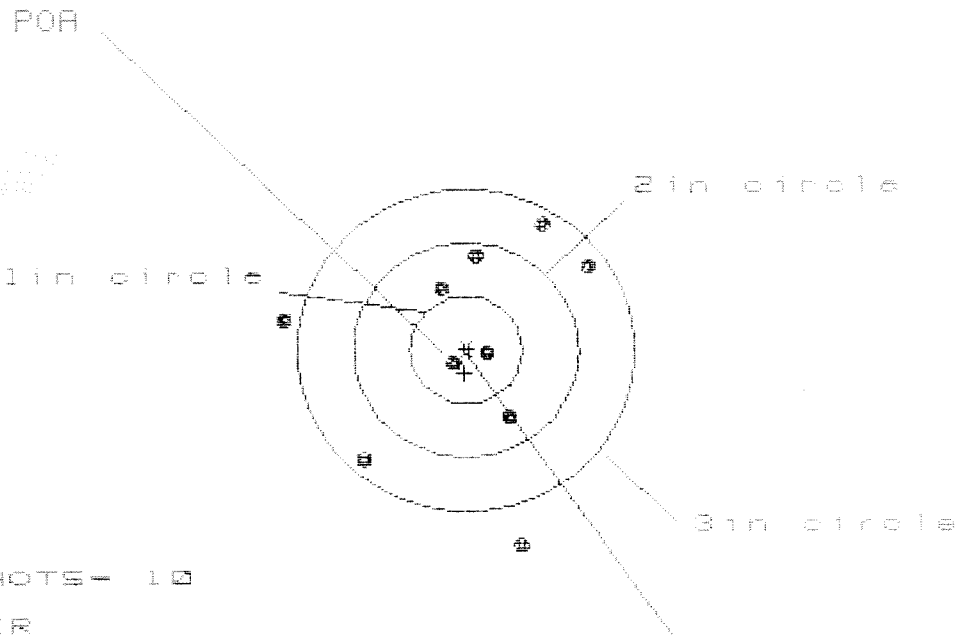
GS = 3.048

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.039	1.143	1.032
MINIMUM X	-1.008	-.893	-.719
MAXIMUM Y	1.927	.768	.756
MINIMUM Y	-.818	-.604	-.616
CENTROID X	-.031	-.146	-.035
CENTROID Y	.239	.025	.037
POA TO CENTROID in.	.241	.148	.051
MIN RADIUS	.271	.155	.075
MEAN RADIUS	.907	.707	.676
MAX RADIUS	2.189	1.155	1.042
HORIZONTAL SPREAD	2.047	2.036	1.750
VERTICAL SPREAD	2.745	1.372	1.372
EXTREME SPREAD	3.048	2.053	1.834
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.701

VS= 3.000

GS= 3.000

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.105	1.159	.966
MINIMUM X	-1.596	-1.542	-1.031
MAXIMUM Y	1.132	.925	.932
MINIMUM Y	-1.868	-1.257	-1.250
CENTROID X	.016	-.038	.155
CENTROID Y	.219	.426	.419
POA TO CENTROID in.	.219	.428	.447
MIN RADIUS	.112	.286	.224
MEAN RADIUS	1.008	.905	.809
MAX RADIUS	1.930	1.543	1.620
HORIZONTAL SPREAD	2.701	2.701	1.997
VERTICAL SPREAD	3.000	2.182	2.182
EXTREME SPREAD	3.008	2.742	2.701
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 8		