

C6636123

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

MODEL 700TM H24

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

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

SERIAL NO.
C6636123

ORDER NO.
5716

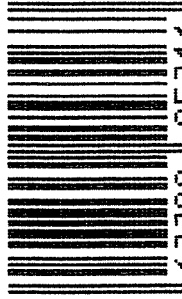
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MADE IN ILION, N.Y., U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6636123

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636123

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 0 0 1		KCR
	Magnaflux Bolt	5 8 9 1		KCR
615	Rollmark Caliber	5 8 9 1		CL
617	Drill and Tap Sight Holes	5 15 9 1		FB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5-29-91	DA
	Apply Coating (Bolt)			
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		6-4-91	HL

op. #	BARBER - M24 0037973	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	6	6			6-4-91	DH
	G) Safety Off Force	3	3	3			6-4-91	DH
	H) Trigger Pull Test & Retainability						6-4-91	JL
	I) Firing Pin Indent	.020	.020	.021			6-4-91	DH
	J) Assemble Stock						6-5-91	Rw
	K) Assemble Swivel Studs						6-8-91	DH
	L) Attach Front and Rear Sight Assemblies						6-5-91	Rw
	M) Iron Sight Alignment						6-5-91	Rw
	N) Detach Front & Rear Sights & place in numbered container						6-5-91	Rw
	O) Attach Scope to Rifle						6-5-91	Rw
	P) Detach & Attach Scope 20 Times						6-5-91	Rw
640	Gallery Target & Test						6-5-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						6-5-91	NF
655	Final Inspection							
	A) Headspace						6-8-91	DH
	B) Trigger Pull	2.27	2.43	2.49	2.54	2.60	6-8-91	JL
	C) Function						6-8-91	DH
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. C-6636123DATE 6-4-91TESTER JH.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.56	2.37	2.27	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.33	2.39	2.43	
PULL #3	2.34	2.15	2.33	2.49	
PULL #4	2.45	2.15	2.20	2.54	
PULL #5	2.59	2.49	2.43	2.60	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.31		
PULL #2	3.23	3.50		
PULL #3	3.47	3.52		
PULL #4	3.45	3.61		
PULL #5	3.63	3.58		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.45		4.38
PULL #2	4.43	4.27		4.42
PULL #3	4.49	4.33		4.33
PULL #4	4.51	4.42		4.44
PULL #5	4.60	4.52		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636123
5 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.104809
1 TO	2	.264322
1 TO	3	.101828
1 TO	4	.28943
1 TO	5	.212511

3
4 <----POA
5

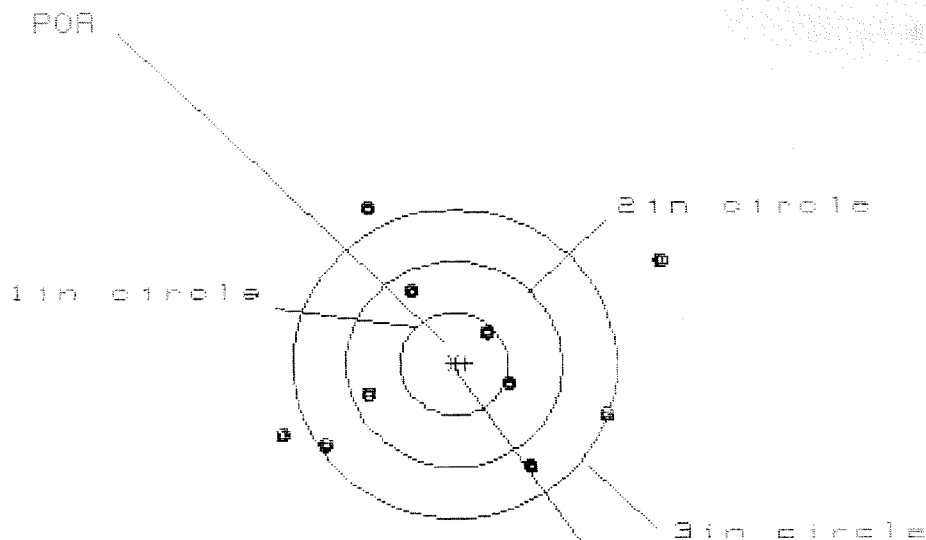
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0002
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0244
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0244009

THE AMR FOR THIS RIFLE IS: 1.221

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08635123

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS = 3.532

VS = 2.458

GS = 3.951

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.922	1.582	1.488
MINIMUM X	-1.510	-1.397	-1.190
MAXIMUM Y	1.478	1.593	1.516
MINIMUM Y	-.980	-.865	-.942
CENTROID X	-.104	-.317	-.143
CENTROID Y	-.013	-.128	-.051
POA TO CENTROID in.	.105	.342	.152
MIN RADIUS	.428	.635	.481
MEAN RADIUS	1.238	1.131	1.057
MAX RADIUS	2.183	1.680	1.673
HORIZONTAL SPREAD	3.532	2.979	2.598
VERTICAL SPREAD	2.458	2.458	2.458
EXTREME SPREAD	3.951	2.988	2.988
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 4		
NUMBER IN THREE INCH CIRCLE	= 5		

5 Jun 1981

FILE:/PATTERNING/CENTERFIRE_PATT/08030123

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 1

2in = 2

3in = 9

HS = 2.494

VS = 3.902

GS = 4.079

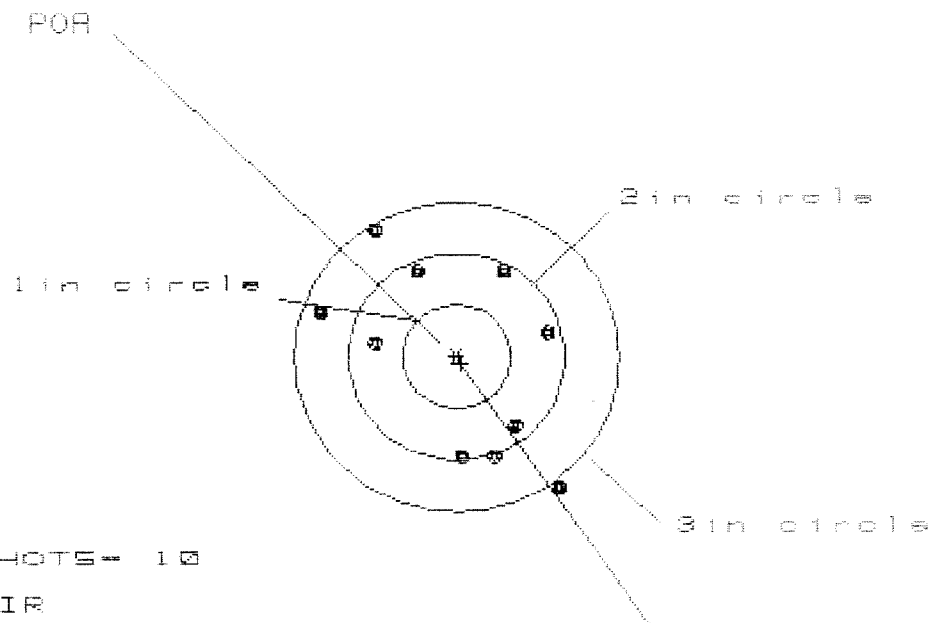
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.055	.990	1.058
MINIMUM X	-1.439	-1.504	-1.436
MAXIMUM Y	2.576	1.200	1.070
MINIMUM Y	-1.326	-1.039	-.785
CENTROID X	.017	.082	.015
CENTROID Y	.222	-.065	.065
POA TO CENTROID in.	.222	.104	.067
MIN RADIUS	.309	.294	.227
MEAN RADIUS	1.255	1.053	1.033
MAX RADIUS	2.642	1.556	1.504
HORIZONTAL SPREAD	2.494	2.494	2.494
VERTICAL SPREAD	3.902	2.239	1.855
EXTREME SPREAD	4.079	2.709	2.709
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	2	
NUMBER IN THREE INCH CIRCLE	=	9	

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08886123

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 0

2in = 5

3in = 9

HS = 2.146

VS = 2.520

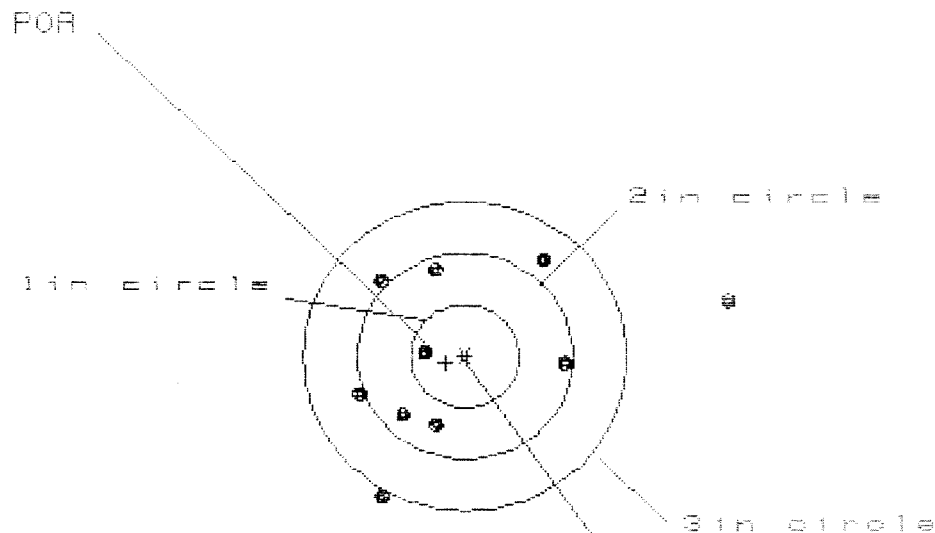
GS = 3.010

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.928
MINIMUM X	-1.218
MAXIMUM Y	1.277
MINIMUM Y	-1.243
CENTROID X	-.041
CENTROID Y	.067
POA TO CENTROID in.	.078
MIN RADIUS	.814
MEAN RADIUS	1.082
MAX RADIUS	1.551
HORIZONTAL SPREAD	2.146
VERTICAL SPREAD	2.520
EXTREME SPREAD	3.010
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	9

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08638123

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 3.425

VS = 2.249

GS = 3.665

CENTROID *

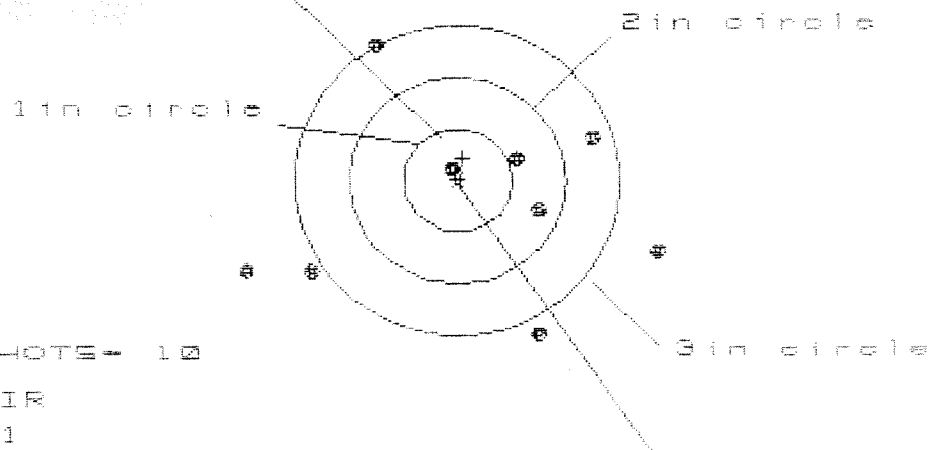
PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.419	1.179	1.120
MINIMUM X	-1.006	-.738	-.797
MAXIMUM Y	.895	.951	.789
MINIMUM Y	-1.354	-1.298	-.782
CENTROID X	.175	-.093	-.034
CENTROID Y	.064	.008	.170
POA TO CENTROID in.	.186	.094	.173
MIN RADIUS	.406	.185	.192
MEAN RADIUS	1.115	.897	.840
MAX RADIUS	2.470	1.402	1.251
HORIZONTAL SPREAD	3.425	1.917	1.917
VERTICAL SPREAD	2.249	2.249	1.571
EXTREME SPREAD	3.665	2.705	2.179
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636123

CENTERFIRE PATTERNS # 5

POA



OF SHOTS = 10

IN CIR

1in = 1

2in = 3

3in = 4

HS = 3.864

VS = 3.563

GS = 3.928

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.892	1.789	1.529
MINIMUM X	-1.972	-2.075	-1.723
MAXIMUM Y	2.067	1.567	1.481
MINIMUM Y	-1.496	-1.267	-1.353
CENTROID X	-.048	.055	.315
CENTROID Y	-.218	-.447	-.360
POA TO CENTROID in.	.223	.451	.478
MIN RADIUS	.180	.430	.374
MEAN RADIUS	1.414	1.317	1.144
MAX RADIUS	2.265	2.189	1.879
HORIZONTAL SPREAD	3.864	3.864	3.252
VERTICAL SPREAD	3.563	2.834	2.834
EXTREME SPREAD	3.928	3.873	3.333
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	4		