

05611418

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.

Remington

Remington
 MODEL 700™ H24

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

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

SERIAL NO.
 C6611418

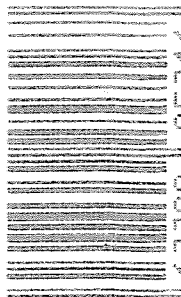
ORDER NO.
 5716

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



5716 C6611418

UPC



0 47700 25716 7

CFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611418

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock			RW
600	Proof			RW
607	Check Headspace	1 25	91	RW
610	Dis-assemble Gun	1 25	91	RW
612	Magnaflux Barrel Action			KR
	Magnaflux Bolt	1 25		KR
615	Rollmark Caliber	1 25	91	GL
617	Drill and Tap Sight Holes	1 30	91	FB
618	Polish Barrel RBB	1 30	91	WB
620	Apply Coatings (Barrel Action)		2-10-91	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/11/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/91	RW
	C) Inspect Ejector Hole for Chamfer		2/11/91	RW
	D) Oil Firing Pin Ass'y		2/11/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/19/91	GL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 ³ / ₄	4 ³ / ₄	4 ³ / ₄			2/18/91	WB
	G) Safety Off Force	3	3	3			2/18/91	WB
	H) Trigger Pull Test & Retainability						2/18/91	JK
	I) Firing Pin Indent	.023	.023	.023			2/19/91	WB
	J) Assemble Stock						2/20/91	RW
	K) Assemble Swivel Studs						2-22-91	AC
	L) Attach Front and Rear Sight Assemblies						2/20/91	RW
	M) Iron Sight Alignment						2/20/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/20/91	RW
	O) Attach Scope to Rifle						2/20/91	RW
	P) Detach & Attach Scope 20 Times						2/20/91	RW
640	Gallery Target & Test						2-20-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						2-20-91	NF
655	Final Inspection						2-22-91	AC
	A) Headspace						2-22-91	AC
	B) Trigger Pull	2.45	2.37	2.54	2.50	2.48	2/21/91	JK
	C) Function						2-22-91	AC
660	Pack						3-10-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO C6611418

DATE 2/19/91

TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.22	2.46	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.22	2.45	2.36	2.37	
PULL #3	2.25	2.49	2.48	2.54	
PULL #4	2.21	2.49	2.49	2.50	
PULL #5	2.41	2.46	2.45	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.37		
PULL #2	3.34	3.25		
PULL #3	3.48	3.36		
PULL #4	3.32	3.37		
PULL #5	3.50	3.45		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.11		4.47
PULL #2	4.46	4.39		4.34
PULL #3	4.50	4.43		4.42
PULL #4	4.44	4.47		4.40
PULL #5	4.30	4.47		4.44
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611418
21 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.55185
1 TO	2	.617537
1 TO	3	.308131
1 TO	4	.209404
1 TO	5	.718727

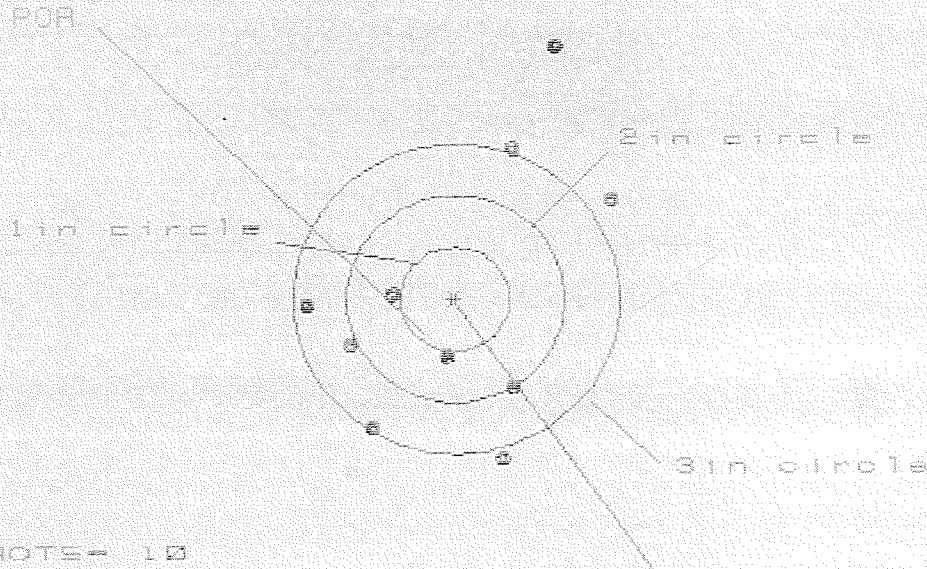
34
58 ←---FOR

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0254
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2254
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .226827
THE RMS FOR THIS RIFLE IS: 1.117

28 Feb 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C6611418

CENTERFIRE PATTERNS # 1



* OF SHOTS= 10

IN CIR

1in = 0

2in = 3

3in = 5

HS= 2.785

VS= 4.018

GS= 4.102

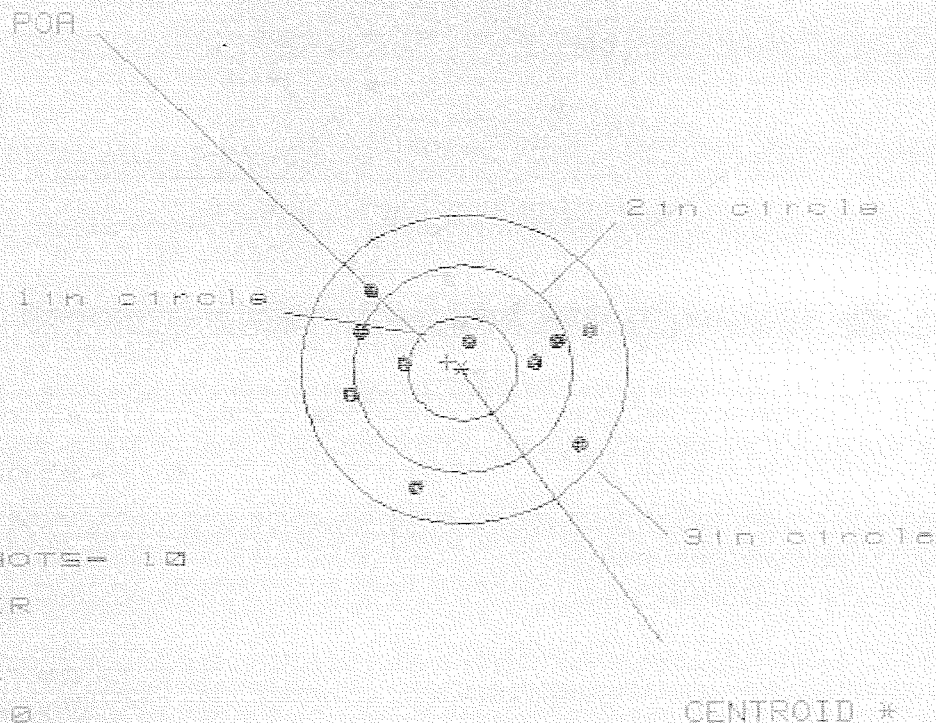
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.441	1.542	.814
MINIMUM X	-1.344	-1.243	-1.050
MAXIMUM Y	2.431	1.700	1.851
MINIMUM Y	-1.587	-1.317	-1.167
CENTROID X	.073	-.028	-.221
CENTROID Y	.547	.277	.127
POR TO CENTROID IN.	.552	.278	.254
MIN RADIUS	.540	.311	.271
MEAN RADIUS	1.355	1.141	.986
MAX RADIUS	2.596	1.956	2.021
HORIZONTAL SPREAD	2.785	2.785	1.864
VERTICAL SPREAD	4.018	3.017	3.017
EXTREME SPREAD	4.102	3.170	3.030
NUMBER IN ONE INCH CIRCLE =	0	3	5
NUMBER IN TWO INCH CIRCLE =			
NUMBER IN THREE INCH CIRCLE =			

20 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11418

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 10

HS= 2.197

VS= 1.936

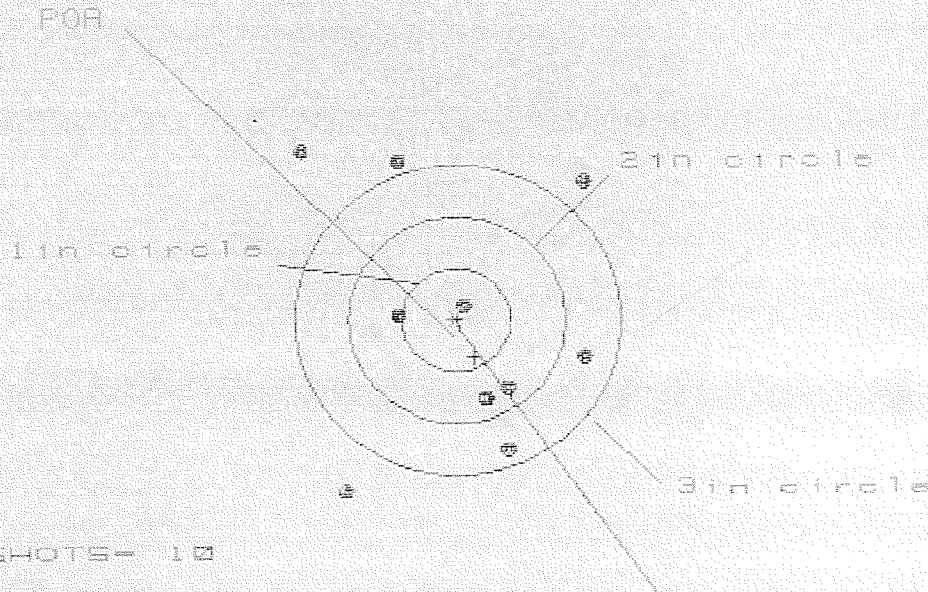
GS= 2.347

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.127	1.241	1.206
MINIMUM X	-1.070	-.956	-.991
MAXIMUM Y	.763	.686	.530
MINIMUM Y	-1.173	-1.250	-.486
CENTROID X	.139	.025	.060
CENTROID Y	-.067	.010	.166
POA TO CENTROID (in.)	.155	.027	.176
MIN RADIUS	.299	.206	.168
MEAN RADIUS	.928	.877	.800
MAX RADIUS	1.240	1.200	1.211
HORIZONTAL SPREAD	2.197	2.197	2.197
VERTICAL SPREAD	1.936	1.936	1.016
EXTREME SPREAD	2.347	2.275	2.275
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		10	

20 Feb 1993

FILE:/PATTERNING/CENTERFIRE_PATT/CGB11418

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 2.5588

VS= 3.227

GS= 3.717

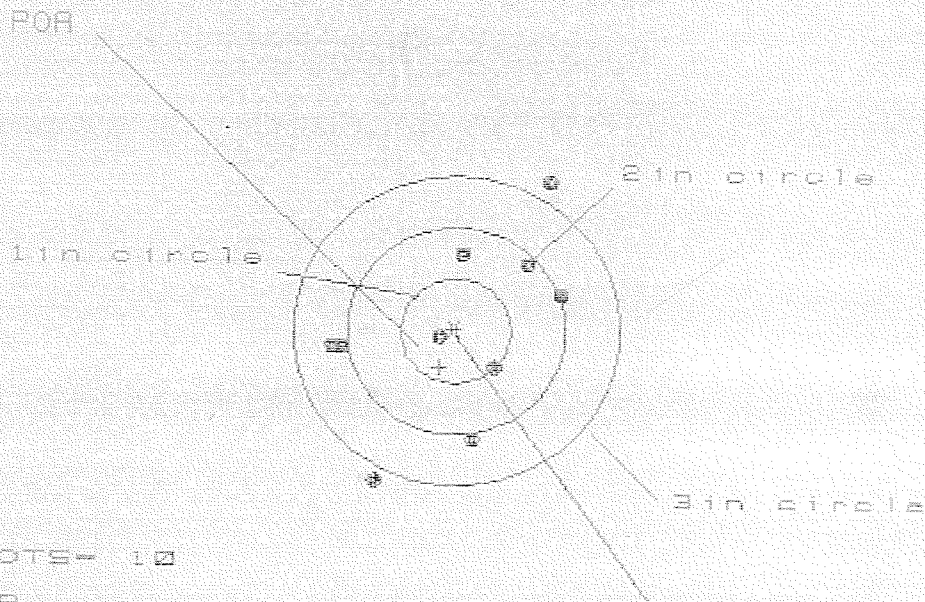
CENTROID +

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.177	1.020	.868
MINIMUM X	:	-1.421	-1.216	-.842
MAXIMUM Y	:	1.599	1.711	1.529
MINIMUM Y	:	-1.628	-1.450	-1.286
CENTROID X	:	-.168	-.010	.142
CENTROID Y	:	.355	.177	.359
POA TO CENTROID (in)	:	.393	.178	.386
MIN RADIUS	:	.179	.346	.277
MEAN RADIUS	:	1.235	1.104	1.013
MAX RADIUS	:	2.139	1.893	1.746
HORIZONTAL SPREAD	:	2.598	2.236	1.710
VERTICAL SPREAD	:	3.227	3.161	2.815
EXTREME SPREAD	:	3.717	3.717	2.990
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			6	

28 Feb 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 6

HS= 2.122

VS= 2.844

CS= 3.363

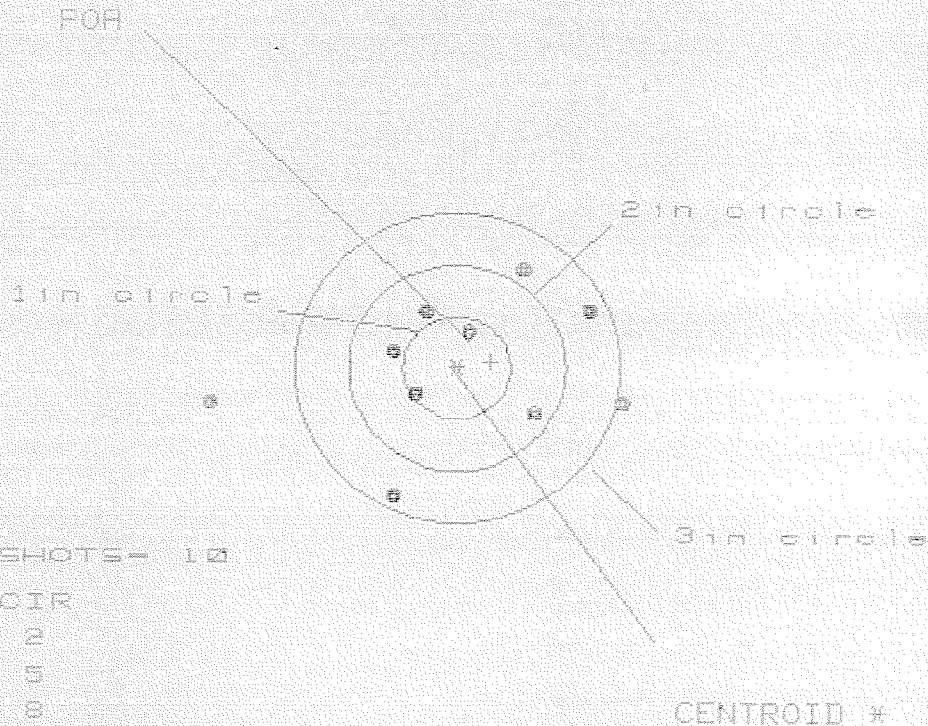
PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.999	1.095	1.012
MINIMUM X	-1.123	-1.027	-1.110
MAXIMUM Y	1.459	.924	.759
MINIMUM Y	-1.485	-1.323	-1.009
CENTROID X	.144	.048	.131
CENTROID Y	.350	.188	.353
POA TO CENTROID in.	.378	.194	.376
MIN RADIUS	.211	.116	.201
MEAN RADIUS	1.002	.911	.831
MAX RADIUS	1.697	1.479	1.121
HORIZONTAL SPREAD	2.122	2.122	2.122
VERTICAL SPREAD	2.944	2.247	1.768
EXTREME SPREAD	3.363	2.574	2.177
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06011410

CENTERFIRE PATTERNS

5



* OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.729

VS= 2.184

GS= 3.729

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.476	1.225	1.139
MINIMUM X	-2.253	-0.883	-0.730
MAXIMUM Y	.983	.941	.893
MINIMUM Y	-1.201	-1.243	-1.291
CENTROID X	-.315	-.064	-.217
CENTROID Y	-.058	-.016	.032
POH TO CENTROID in.	.320	.066	.220
MIN RADIUS	.386	.336	.270
MEAN RADIUS	1.066	.922	.840
MAX RADIUS	2.285	1.509	1.470
HORIZONTAL SPREAD	3.729	2.108	1.869
VERTICAL SPREAD	2.184	2.184	2.184
EXTREME SPREAD	3.729	2.517	2.517
NUMBER IN ONE INCH CIRCLE =	2	2	2
NUMBER IN TWO INCH CIRCLE =	5	5	5
NUMBER IN THREE INCH CIRCLE =	8	8	8