

C6648976

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Remington®

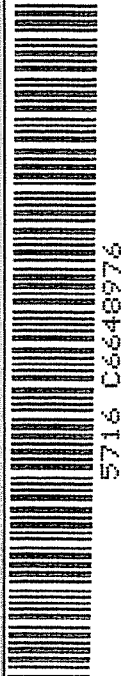
MODEL 700™ H24

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

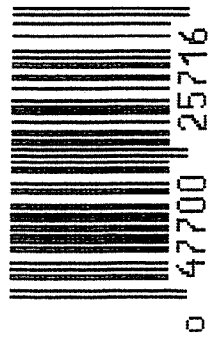
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

DUPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO. C6648976	ORDER NO. 5716
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UPC



CONTRACT # DAAA21-87-C-0086

GFM

GUN SERIAL # C6648976

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2	9 1	RW
600	Proof	7 2	9 1	RW
607	Check Headspace	7 2	9 1	RW
610	Dis-assemble Gun	7 2	9 1	RW
612	Magnaflux Barrel Action		JUL 22 1991	YS
	Magnaflux Bolt		JUL 22 1991	YS
615	Rollmark Caliber		JUL 22 1991	YS
617	Drill and Tap Sight Holes		JUL 22 1991	LB
618	Polish Barrel		7/22/91	WB
620	Apply Coatings (Barrel Action)		7-28-91	AD
	Apply Coating (Bolt)		7-28-91	AD
625	Final Assembly A) Clean inside of Bolt Assembly		8/29/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	RW
	C) Inspect Ejector Hole for Chamfer		8/29/91	RW
	D) Oil Firing Pin Ass'y		8/29/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-6-91	DH

op. #	BARBER M24 0030194	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	4	4 $\frac{3}{4}$			9-6-91	DH
	G) Safety Off Force	2 $\frac{1}{2}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$			9-6-91	DH
	H) Trigger Pull Test & Retainability						9-6-91	D/H
	I) Firing Pin Indent	.021	.022	.021			9-6-91	D/H
	J) Assemble Stock						9/10/91	REW
	K) Assemble Swivel Studs						9-12-91	D/H
	L) Attach Front and Rear Sight Assemblies						9/10/91	REW
	M) Iron Sight Alignment						9/10/91	REW
	N) Detach Front & Rear Sights & place in numbered container						9/10/91	REW
	O) Attach Scope to Rifle						9/10/91	REW
	P) Detach & Attach Scope 20 Times						9/10/91	REW
640	Gallery Target & Test						9-10-91	DH
	A) Time						9-10-91	DH
	B) Malfunctions						9-10-91	DH
	C) Pierced Primers						9-10-91	DH
	D) Optical Clarity of Scope						9-10-91	DH
645	Inspect for Live Ammo						9-10-91	DH
655	Final Inspection							
	A) Headspace						9-12-91	D/H
	B) Trigger Pull	255	229	231	234	234	9-10-91	D/H
	C) Function						9-12-91	D/H
660	Pack						9-11-91	NE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CGG48976

DATE 9-6-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.48	2.28	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.38	2.57	2.29	
PULL #3	2.53	2.38	2.58	2.31	
PULL #4	2.38	2.46	2.62	2.34	
PULL #5	2.30	2.40	2.50	2.34	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.34		
PULL #2	3.24	3.26		
PULL #3	3.11	3.22		
PULL #4	3.16	3.22		
PULL #5	3.09	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.10		4.16
PULL #2	4.26	4.06		4.16
PULL #3	4.28	4.03		4.18
PULL #4	4.34	4.01		4.13
PULL #5	4.28	4.392		4.17
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6648976
10 Sep 1991

CENTROIDAL DISTANCES

0 TO 1	.311077
1 TO 2	.445583
1 TO 3	.551004
1 TO 4	.280516
1 TO 5	.295466

514
212 (----POA

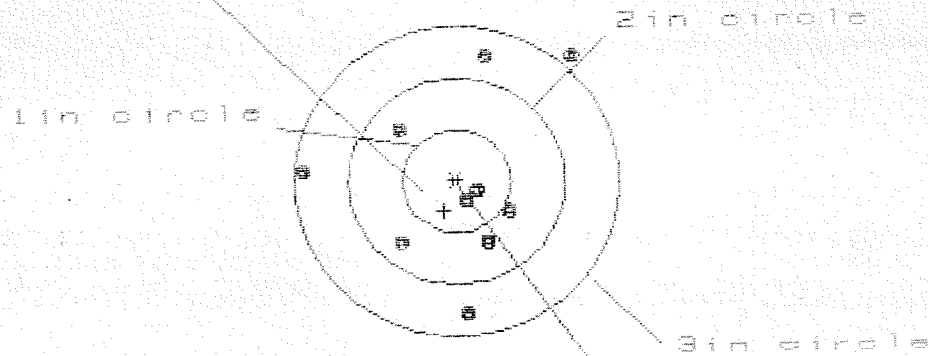
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0648
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0814
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .104043
THE AMR FOR THIS RIFLE IS: .8372

10 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08848976

CENTERFIRE PATTERNS # 1

POR



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.574

VS= 2.523

GS= 2.767

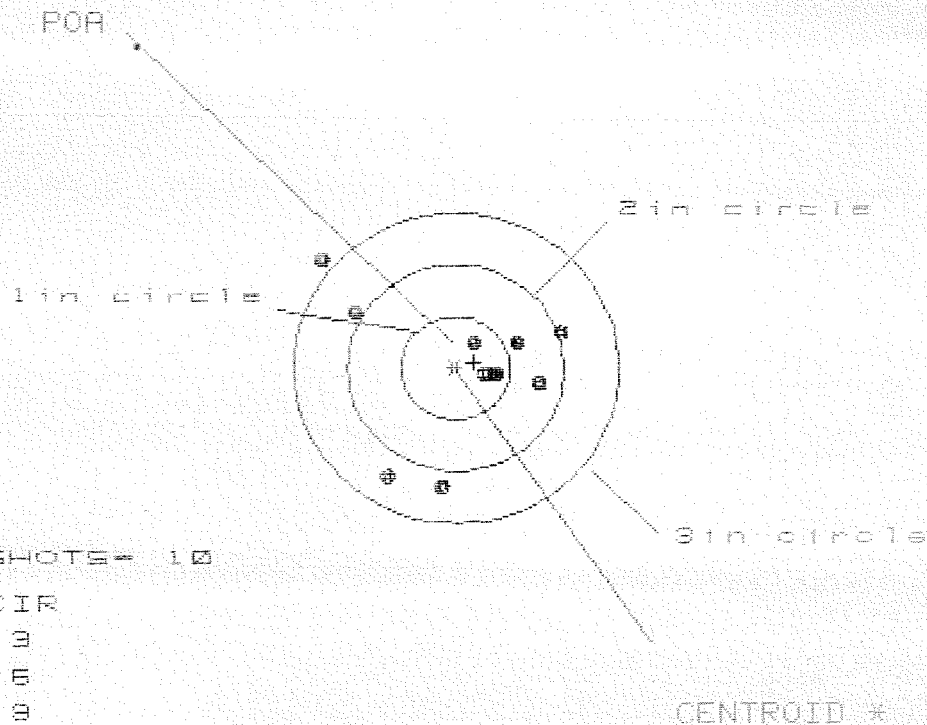
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.129	.592	.427
MINIMUM X	-1.445	-1.320	-.566
MAXIMUM Y	1.204	1.334	1.371
MINIMUM Y	-1.319	-1.189	-1.152
CENTROID X	.120	-.005	.160
CENTROID Y	.287	.157	.120
POR TO CENTROID in.	.311	.157	.200
MIN RADIUS	.189	.183	.018
MEAN RADIUS	.875	.781	.657
MAX RADIUS	1.629	1.401	1.395
HORIZONTAL SPREAD	2.574	1.912	.993
VERTICAL SPREAD	2.523	2.523	2.523
EXTREME SPREAD	2.767	2.531	2.531
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

10 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8646376

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.189

VS= 2.255

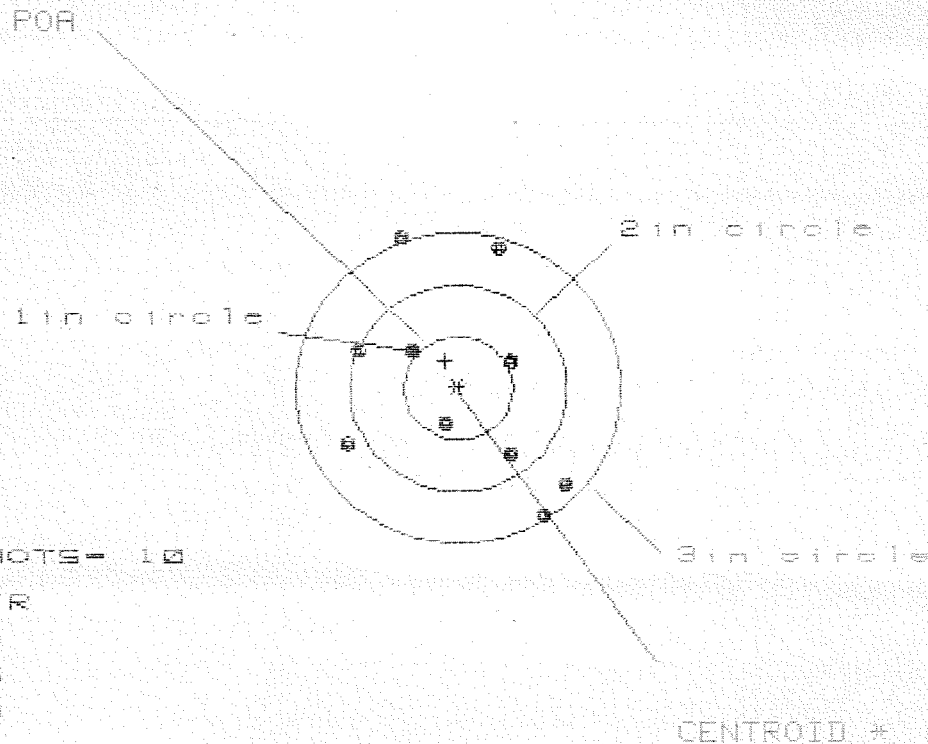
GS= 2.535

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.931	.792	.692
MINIMUM X	-1.258	-1.086	-1.186
MAXIMUM Y	1.077	.675	.558
MINIMUM Y	-1.177	-1.058	-1.175
CENTROID X	-.168	-.029	.071
CENTROID Y	-.053	-.172	-.055
POA TO CENTROID in.	.176	.175	.090
MIN. RADIUS	.282	.183	.079
MEAN RADIUS	.844	.712	.586
MAX RADIUS	1.656	1.279	1.310
HORIZONTAL SPREAD	2.189	1.878	1.878
VERTICAL SPREAD	2.255	1.733	1.733
EXTREME SPREAD	2.535	2.114	1.929
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

10 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06048976

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.007

VS= 2.684

GS= 2.985

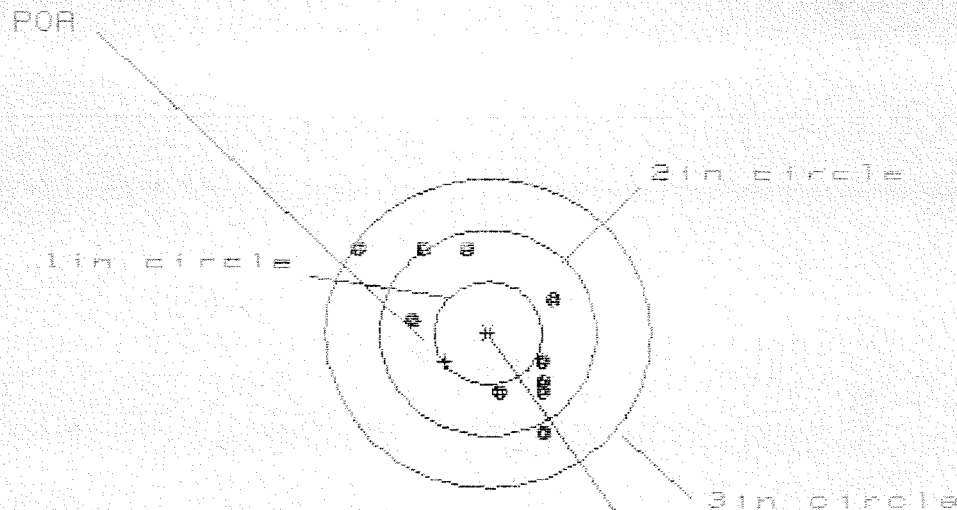
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.938	.879	.969
MINIMUM X	-1.069	-1.128	-1.038
MAXIMUM Y	1.434	1.489	1.352
MINIMUM Y	-1.250	-1.090	-.947
CENTROID X	.122	.181	.092
CENTROID Y	-.264	-.424	-.287
POA TO CENTROID in.	.291	.461	.302
MIN RADIUS	.382	.270	.352
MEAN RADIUS	1.026	.955	.905
MAX RADIUS	1.529	1.514	1.401
HORIZONTAL SPREAD	2.007	2.007	2.007
VERTICAL SPREAD	2.684	2.579	2.299
EXTREME SPREAD	2.985	2.616	2.377
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

18 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B4B976

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 0

2in = 7

3in = 10

HS= 1.732

VS= 1.872

GS= 2.449

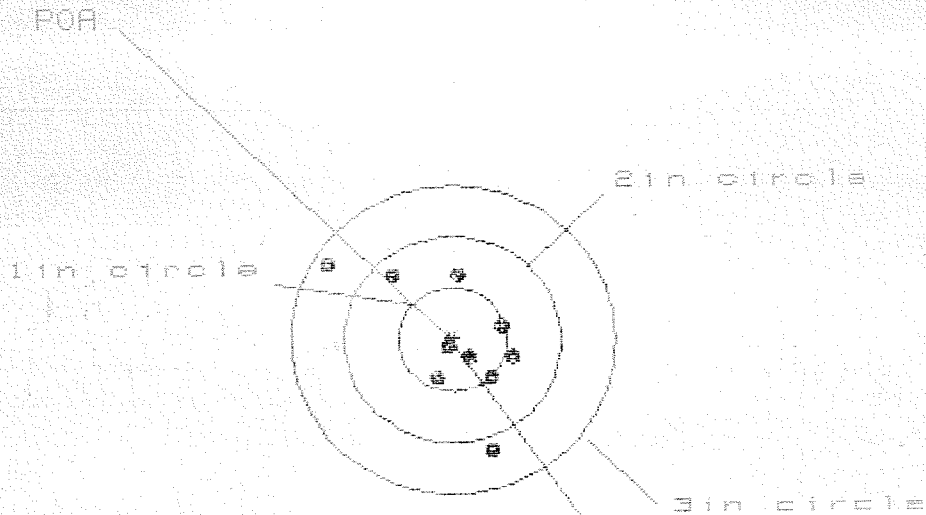
CENTROID #

PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.573	.445	.486
MINIMUM X	-1.159	-.787	-.746
MAXIMUM Y	.859	.950	.835
MINIMUM Y	-1.014	-.922	-.628
CENTROID X	.400	.528	.487
CENTROID Y	.270	.179	.294
POA TO CENTROID in.	.483	.558	.569
MIN RADIUS	.581	.424	.523
MEAN RADIUS	.837	.736	.719
MAX RADIUS	1.421	1.178	1.062
HORIZONTAL SPREAD	1.732	1.232	1.232
VERTICAL SPREAD	1.872	1.872	1.463
EXTREME SPREAD	2.449	2.137	1.742
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

10 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08648976

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 5

2 in = 8

3 in = 10

HS= 1.638

VS= 1.749

GS= 2.291

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.531

.408

.439

MINIMUM X

-1.187

-.634

-.603

MAXIMUM Y

.708

.724

.604

MINIMUM Y

-1.041

-.963

-.389

CENTROID X

-.150

-.027

-.058

CENTROID Y

.167

.089

.209

POA TO CENTROID in.

.225

.093

.217

MIN RADIUS

.073

.144

.174

MEAN RADIUS

.604

.500

.450

MAX RADIUS

1.314

1.994

.827

HORIZONTAL SPREAD

1.638

1.042

1.042

VERTICAL SPREAD

1.749

1.687

.993

EXTREME SPREAD

2.291

1.871

1.301

NUMBER IN ONE INCH CIRCLE =

5

NUMBER IN TWO INCH CIRCLE =

8

NUMBER IN THREE INCH CIRCLE =

10