

C6636326

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
MODEL 700™ M24

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

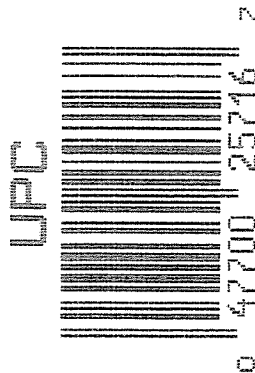
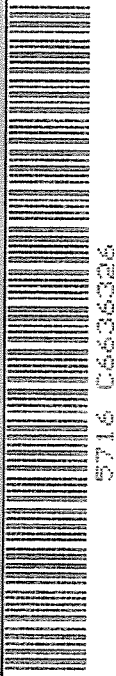
DUPONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6636326

ORDER NO.
5716

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

20



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636326

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/91	KA
600	Proof		6/24/91	KA
607	Check Headspace		6/24/91	KA
610	Dis-assemble Gun		6/24/91	KA
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	28
617	Drill and Tap Sight Holes		JUL 1 1991	FB
618	Polish Barrel		JUL 2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	DA
	Apply Coating (Bolt)			DA
625	Final Assembly A) Clean inside of Bolt Assembly		8/1/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/1/91	KA
	C) Inspect Ejector Hole for Chamfer		8/1/91	KA
	D) Oil Firing Pin Ass'y		8/1/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		8-5-91	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	5	5			8-5-91	AC
	G) Safety Off Force	4	3	3			8-5-91	AC
	H) Trigger Pull Test & Retainability						8-5-91	D/H
	I) Firing Pin Indent	.020	.021	.021			8-5-91	AC
	J) Assemble Stock						8/4/91	KA
	K) Assemble Swivel Studs						8-7-91	QU
	L) Attach Front and Rear Sight Assemblies						8/4/91	KA
	M) Iron Sight Alignment						8/4/91	KA
	N) Detach Front & Rear Sights & place in numbered container						8/4/91	KA
	O) Attach Scope to Rifle						8/4/91	KA
	P) Detach & Attach Scope 20 Times						8/4/91	KA
640	Gallery Target & Test						8-6-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						8-6-91	AF
655	Final Inspection							
	A) Headspace						8-7-91	QU
	B) Trigger Pull	2.59	2.52	2.48	2.53	2.52	8-7-91	QU
	C) Function						8-7-91	QU
660	Pack						8-11-91	AF

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

SERIAL NO. 6636326
DATE 8-5-91
TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.30	2.56	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.79	2.10	2.26	2.52	
PULL #3	2.25	2.03	2.57	2.40	
PULL #4	2.38	2.05	2.51	2.53	
PULL #5	2.17	2.00	2.47	2.52	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.08		
PULL #2	3.19	3.10		
PULL #3	3.06	2.92		
PULL #4	3.15	3.08		
PULL #5	3.00	3.13		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.34		4.18
PULL #2	4.31	4.14		4.30
PULL #3	4.18	4.15		4.23
PULL #4	4.18	4.20		4.14
PULL #5	4.18	4.25		4.27
TOTAL				
AVG.				

DISTANCE CALCULATIONS
RIFLE # C6636326
1991

POI RADIAL DISTANCES

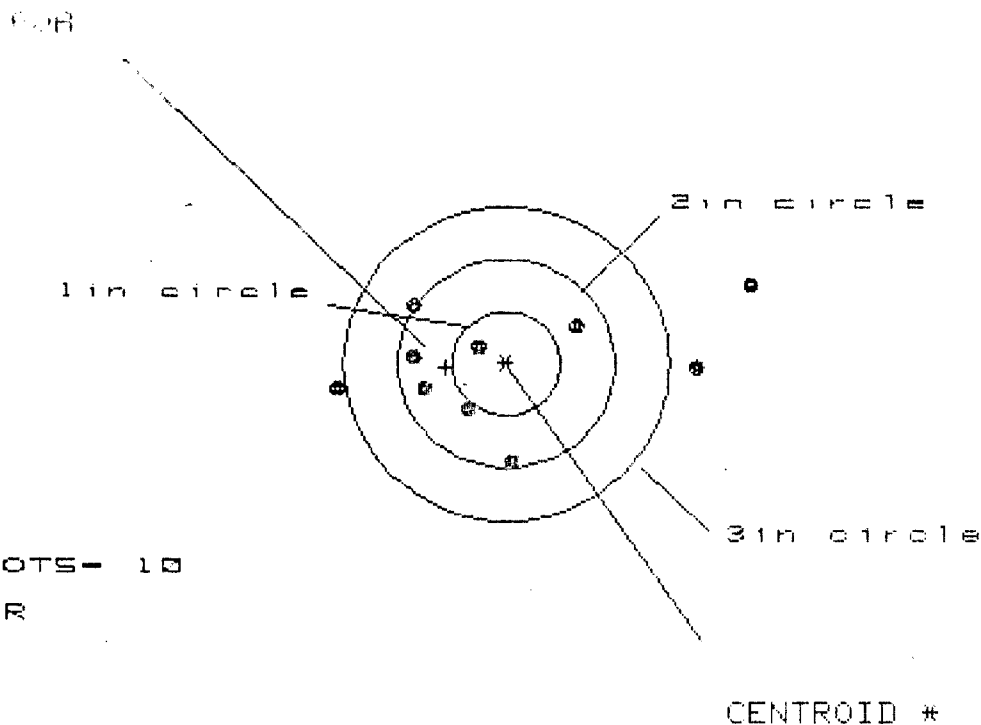
0 TO	1	.294029
1 TO	2	.294985
1 TO	3	.438827
1 TO	4	.535303
1 TO	5	.374707

$\frac{49}{21} \cdot 5$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1306
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0174
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .131754
THE POI OF THIS RIFLE IS: .8806

FILE:/PATTERNING/CENTERFIRE_PATT/C6636326

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 6

3 in - 7

HS - 3.847

VS - 1.663

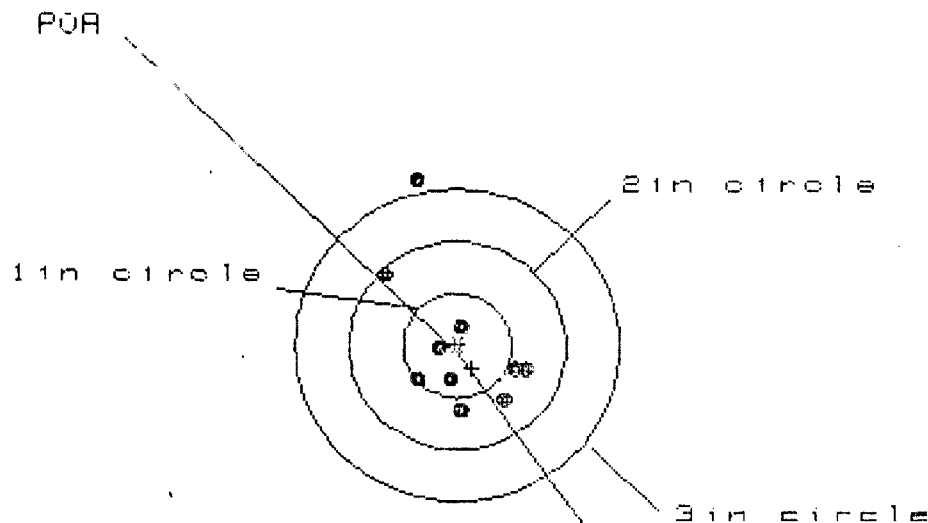
GS - 3.965

PATTERN #	45°	90°	135°
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.261	2.016	1.188
MINIMUM X	-1.586	-1.334	-1.082
MAXIMUM Y	.711	.597	.608
MINIMUM Y	-.952	-.873	-.862
CENTROID X	.555	.303	.051
CENTROID Y	.039	-.040	-.051
POA TO CENTROID in.	.556	.306	.072
MIN RADIUS	.332	.275	.330
MEAN RADIUS	1.105	.886	.689
MAX RADIUS	2.371	2.018	1.280
HORIZONTAL SPREAD	3.847	3.350	2.270
VERTICAL SPREAD	1.663	1.470	1.470
EXTREME SPREAD	3.965	3.360	2.358
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

9 Aug 1991

FILE: /PATTERNING/CENTERFIRE_PATT/C6636326

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 9

3 in = 9

HS = 1.266

VS = 2.214

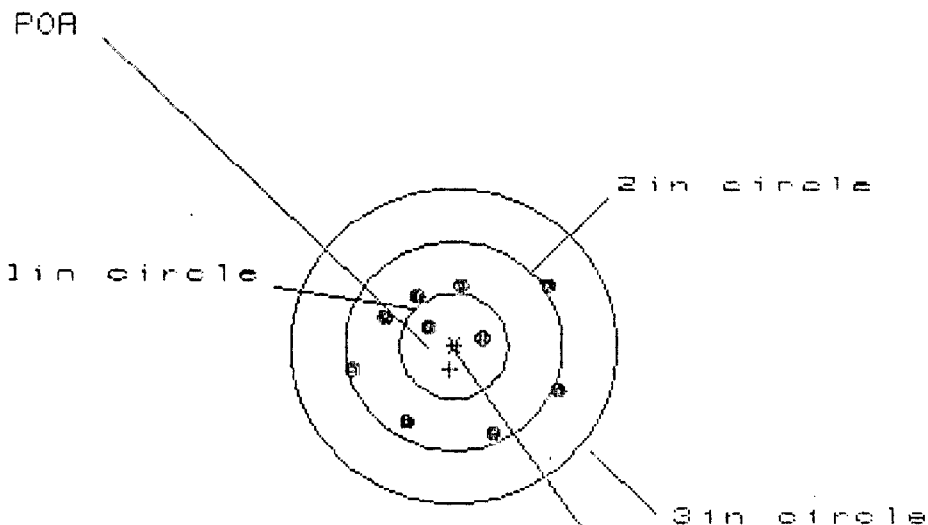
GS = 2.259

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.639	.596	.512
MINIMUM X	:	-.627	-.670	-.496
MAXIMUM Y	:	1.552	.862	.428
MINIMUM Y	:	-.662	-.489	-.382
CENTROID X	:	-.133	-.090	-.006
CENTROID Y	:	.215	.042	-.066
POA TO CENTROID in.	:	.253	.099	.066
MIN RADIUS	:	.148	.193	.180
MEAN RADIUS	:	.627	.486	.397
MAX RADIUS	:	1.601	1.092	.514
HORIZONTAL SPREAD	:	1.266	1.266	1.008
VERTICAL SPREAD	:	2.214	1.351	.810
EXTREME SPREAD	:	2.259	1.620	1.009
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Aug 1951

FILE:/PATTERNING/CENTERFIRE_PATT/C6636326

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS = 1.927

VS = 1.413

GS = 1.963

CENTROID *

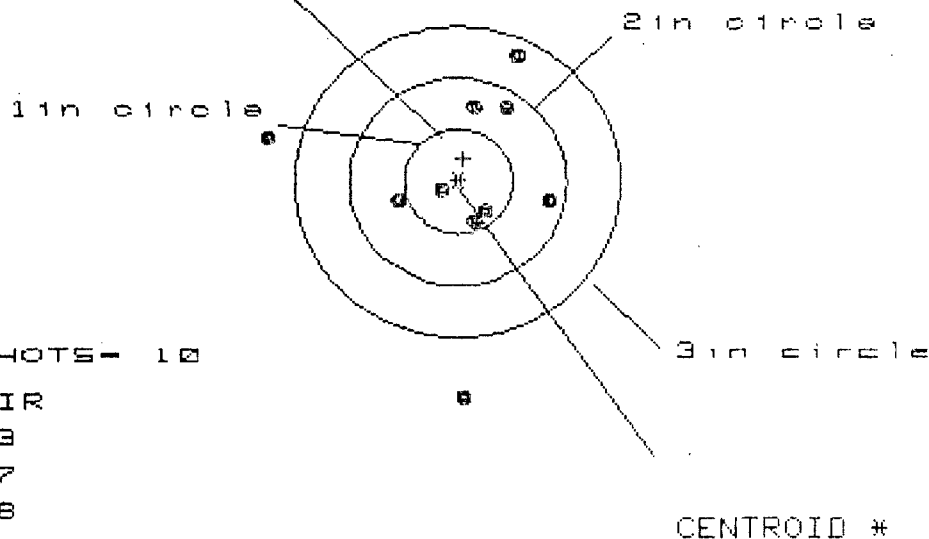
PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.008	.997	.599
MINIMUM X	:	-.919	-.807	-.682
MAXIMUM Y	:	.613	.564	.627
MINIMUM Y	:	-.799	-.849	-.786
CENTROID X	:	.037	-.075	-.200
CENTROID Y	:	.221	.270	.207
POA TO CENTROID in.	:	.224	.280	.288
MIN RADIUS	:	.267	.154	.191
MEAN RADIUS	:	.721	.656	.596
MAX RADIUS	:	1.101	1.114	.988
HORIZONTAL SPREAD	:	1.927	1.804	1.281
VERTICAL SPREAD	:	1.413	1.413	1.413
EXTREME SPREAD	:	1.963	1.963	1.470
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Aug 1971

FILE:/PATTERNING/CENTERFIRE_PATT/C6635326

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

HS = 2.560

VS = 3.351

GS = 3.388

PATTERN #	:	12	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.848	.855	.642
MINIMUM X	:	-1.712	-1.705	-.791
MAXIMUM Y	:	1.238	1.003	1.028
MINIMUM Y	:	-2.113	-.648	-.623
CENTROID X	:	-.048	-.055	.158
CENTROID Y	:	-.221	.014	-.011
POA TO CENTROID in.	:	.226	.057	.158
MIN RADIUS	:	.205	.372	.446
MEAN RADIUS	:	.938	.817	.679
MAX RADIUS	:	2.114	1.716	1.087
HORIZONTAL SPREAD	:	2.560	2.560	1.433
VERTICAL SPREAD	:	3.351	1.651	1.651
EXTREME SPREAD	:	3.388	2.621	1.855
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	8		

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636326

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 7

3 in = 8

HSI = 2.325

VSI = 2.982

GSI = 3.082

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.946	.964	1.013
MINIMUM X	:	-1.379	-1.361	-1.240
MAXIMUM Y	:	1.207	1.009	.592
MINIMUM Y	:	-1.775	-.913	-.786
CENTROID X	:	.242	.224	.103
CENTROID Y	:	-.167	.031	-.096
POA TO CENTROID in.	:	.294	.226	.141
MIN RADIUS	:	.619	.623	.534
MEAN RADIUS	:	1.012	.916	.836
MAX RADIUS	:	1.783	1.396	1.282
HORIZONTAL SPREAD	:	2.325	2.325	2.253
VERTICAL SPREAD	:	2.982	1.922	1.378
EXTREME SPREAD	:	3.082	2.462	2.323
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		