

C6636299

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

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

DUPONT

MODEL 700™ M24

SERIAL NO.
C6606299

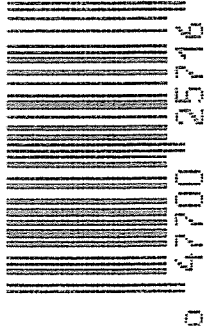
ORDER NO.
5716

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

20

5716 C6606299

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636299

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/25/91	KA
600	Proof		6/25/91	KA
607	Check Headspace		6/25/91	KA
610	Dis-assemble Gun		6/25/91	KA
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	GS.
617	Drill and Tap Sight Holes	JUL	1 1991	LB
618	Polish Barrel	JUL	2 1991	WB
620	Apply Coatings (Barrel Action)		7/23/91	KA
	Apply Coating (Bolt)			KA
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	KS
	C) Inspect Ejector Hole for Chamfer		7/23/91	KS
	D) Oil Firing Pin Ass'y		7/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7.31.91	KA

op. #	BARBER - M24 0032766	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	6 $\frac{1}{2}$	6			7-31-91	DH
	G) Safety Off Force	4	4	4			7-31-91	DH
	H) Trigger Pull Test & Retainability						7-31-91	SM
	I) Firing Pin Indent	1020	1020	1021			7-31-91	DH
	J) Assemble Stock						7/31/91	KS
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						7/31/91	KS
	M) Iron Sight Alignment						7/31/91	KS
	N) Detach Front & Rear Sights & place in numbered container						7/31/91	KS
	O) Attach Scope to Rifle						7/31/91	KS
	P) Detach & Attach Scope 20 Times						7/31/91	KS
640	Gallery Target & Test						8-1-91	AC
	A) Time						8-1-91	AC
	B) Malfunctions						8-1-91	AC
	C) Pierced Primers						8-1-91	AC
	D) Optical Clarity of Scope						8-1-91	AC
645	Inspect for Live Ammo						8-1-91	AC
655	Final Inspection							
	A) Headspace						8-5-91	K
	B) Trigger Pull	2.33	2.38	2.34	2.39	2.29	8-5-91	SM
	C) Function						8-5-91	AC
660	Pack						7-7-91	DH

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

SERIAL NO. C-6636299DATE 7-31-91TESTER JY

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.41	2.45	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.41	2.40	2.38	
PULL #3	2.36	2.40	2.43	2.34	
PULL #4	2.34	2.38	2.35	2.34	
PULL #5	2.40	2.39	2.40	2.29	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.28		
PULL #2	3.20	3.27		
PULL #3	3.28	3.26		
PULL #4	3.27	3.28		
PULL #5	3.28	3.30		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.29		4.61
PULL #2	4.36	4.34		4.28
PULL #3	4.38	4.43		4.29
PULL #4	4.35	4.59		4.30
PULL #5	4.39	4.29		4.28
TOTAL				
AVG.				

TO DISTANCE CALCULATIONS
RIFLE # 06636299
Aug 1991

PARABOLIC DISTANCES

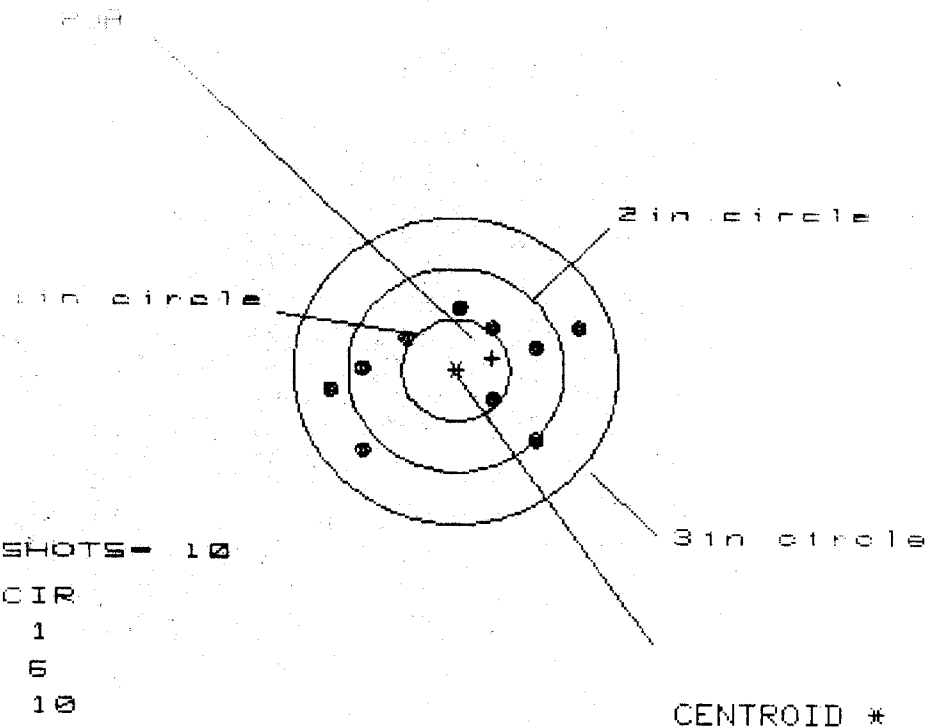
0 TO	1	.360285
1 TO	2	.137743
1 TO	3	.204561
1 TO	4	.300794
1 TO	5	.243906

354 <----POA

RIFLE IS: -.2338
RIFLE IS: -.0386
RIFLE IS: .235794

FILE: PATTERNING/CENTERFIRE_PATT/C6636289

CENTERFIRE PATTERNS # 1



SHOT #	10	9	8
SHOT 1	1.093	.962	.778
SHOT 2	-1.173	-1.023	-.902
SHOT 3	.593	.571	.619
SHOT 4	-.749	-.771	-.723
SHOT 5	-.339	-.208	-.329
SHOT 6	-.132	-.100	-.148
SHOT 7	.360	.231	.360
SHOT 8	.449	.369	.426
SHOT 9	.804	.775	.750
SHOT 10	1.190	1.266	1.142
MEAN	2.366	1.985	1.680
VE	1.342	1.342	1.342
SE	2.345	2.281	1.913
SHOT 11		1	
SHOT 12		6	
SHOT 13		10	

1 Aug 1981

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CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 9

3in = 10

HS= 1.544

VS= 1.844

GS= 2.077

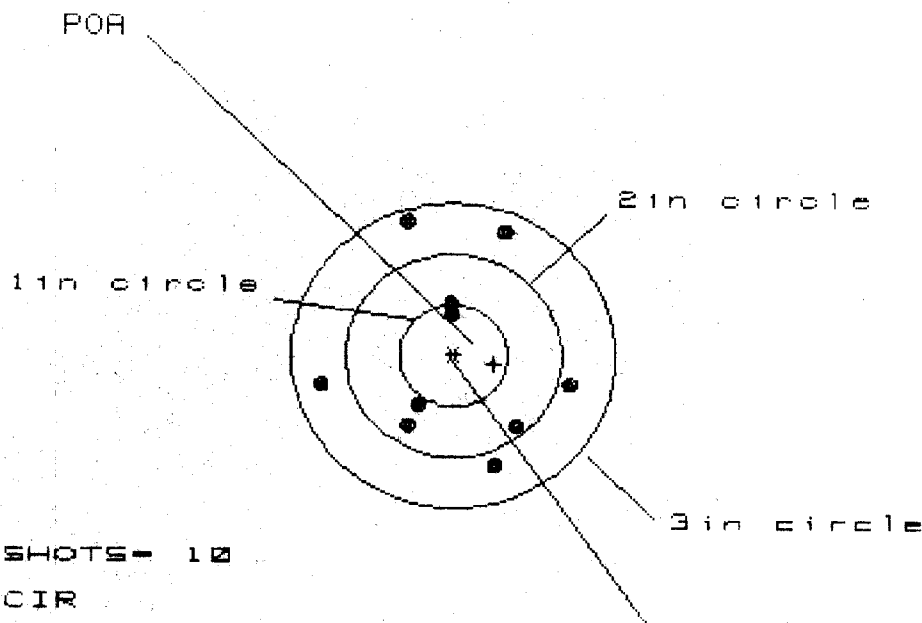
CENTROID *

PATTERN #	:	10	9	8
SHOTS - BEST OF	:	10	9	8
MAXIMUM X	:	.653	.700	.594
MINIMUM X	:	-.891	-.844	-.821
MAXIMUM Y	:	1.247	.599	.655
MINIMUM Y	:	-.597	-.459	-.403
CENTROID X	:	-.216	-.263	-.157
CENTROID Y	:	-.184	-.322	-.378
UP TO CENTROID X	:	.284	.416	.409
UP TO CENTROID Y	:	.415	.295	.215
UP TO CENTROID	:	.735	.644	.584
UP TO CENTROID	:	1.316	.954	.872
UP TO CENTROID	:	1.544	1.544	1.415
UP TO CENTROID	:	1.844	1.058	1.058
UP TO CENTROID	:	2.077	1.673	1.673
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Aug 1931

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 2.294

VS = 2.449

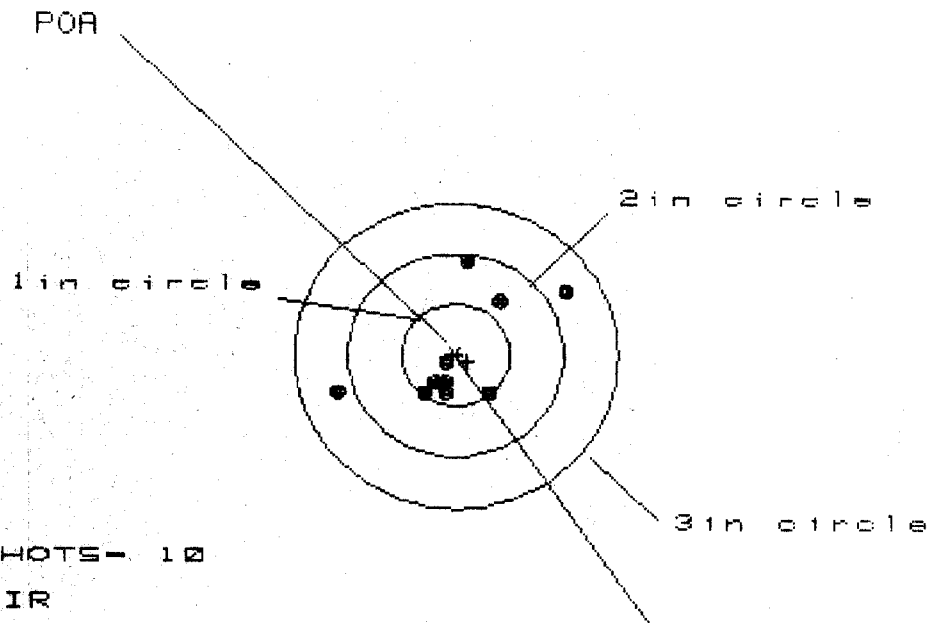
GS = 2.580

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.059	1.010	1.062
MINIMUM X	-1.235	-1.284	-1.232
MAXIMUM Y	1.356	1.382	.870
MINIMUM Y	-1.093	-.942	-.769
CENTROID X	-.377	-.328	-.380
CENTROID Y	.079	-.072	-.245
FOR TO CENTROID (X)	.385	.336	.452
FOR RADIUS	.453	.522	.383
FOR RADIUS	.960	.897	.804
FOR RADIUS	1.426	1.444	1.232
HORIZONTAL SPREAD	2.294	2.294	2.294
VERTICAL SPREAD	2.449	2.324	1.639
EXTREME SPREAD	2.580	2.326	2.294
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

1 Aug 1991

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CENTERFIRE PATTERNS # 4



* OF SHOTS - 10

IN CIR

1in = 5

2in = 8

3in = 10

HS = 2.097

VS = 1.290

GS = 2.289

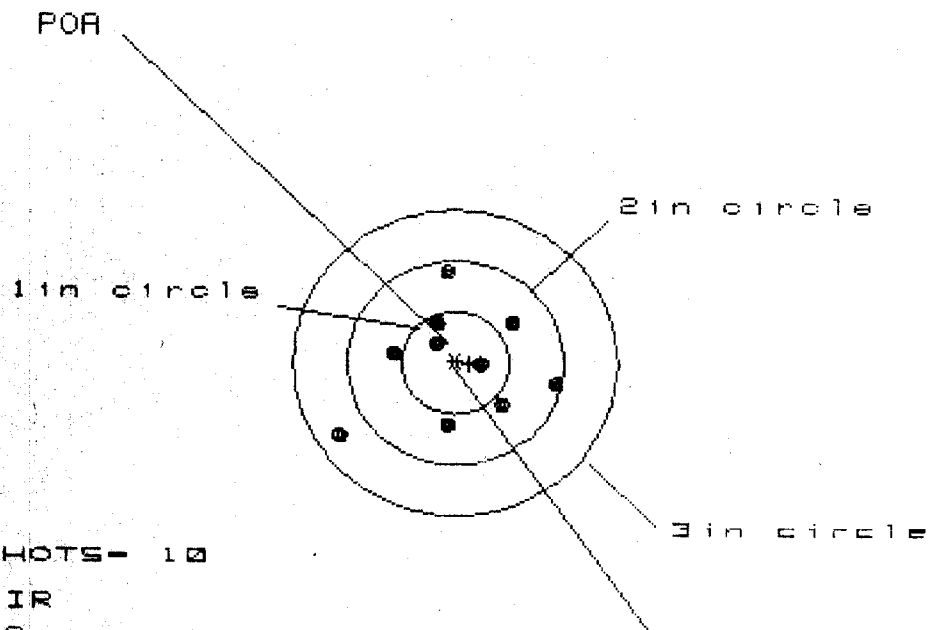
CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.022	.536	.416
MINIMUM X	:	-1.075	-.961	-.291
MAXIMUM Y	:	.886	.951	.917
MINIMUM Y	:	-.404	-.339	-.273
CENTROID X	:	-.105	-.219	-.099
CENTROID Y	:	.067	.002	.036
POA TO CENTROID (in)	:	.125	.219	.105
1IN RADIUS	:	.140	.040	.143
2IN RADIUS	:	.605	.501	.460
3IN RADIUS	:	1.178	.998	.921
HORIZONTAL SPREAD	:	2.097	1.497	.707
VERTICAL SPREAD	:	1.290	1.290	1.290
EXTREME SPREAD	:	2.289	1.752	1.339
NUMBER IN ONE INCH CIRCLE =			5	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	

1 Aug 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in 3

2in 5

3in 10

HW = 1.073

VS = 1.626

GS = 2.030

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.897	.777	.514
MINIMUM X	:	-1.076	-.717	-.620
MAXIMUM Y	:	.912	.832	.793
MINIMUM Y	:	-.714	-.690	-.729
CENTROID X	:	.132	-.012	-.109
CENTROID Y	:	.007	.087	.126
POA TO CENTROID (in)	:	.132	.087	.167
1IN RADIUS	:	.255	.172	.188
MEAN RADIUS	:	.646	.557	.514
MAX RADIUS	:	1.292	.851	.797
HORIZONTAL SPREAD	:	1.973	1.494	1.134
VERTICAL SPREAD	:	1.826	1.522	1.522
EXTREME SPREAD	:	3.000	1.526	1.522
NUMBER IN ONE INCH CIRCLE	:	3	3	3
NUMBER IN TWO INCH CIRCLE	:	5	5	5
NUMBER IN THREE INCH CIRCLE	:	10	10	10