

C6649130

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.

Remington

Remington[®]

MODEL 700TM M24

DU PONT
REG. U.S. PAT. & TM. OFF.

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

SERIAL NO.
C6649130

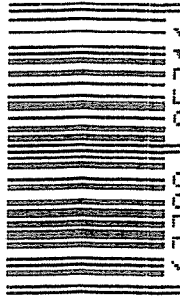
ORDER NO.
5716

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



5716 C6649130

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GFMGUN SERIAL # **C6649130**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/24/91	KA
600	Proof		7/24/91	KA
607	Check Headspace		7/24/91	KA
610	Dis-assemble Gun		7/24/91	KA
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	GB
617	Drill and Tap Sight Holes		AUG 7 1991	LB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8-27-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/29/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	KA
	C) Inspect Ejector Hole for Chamfer		8/29/91	KA
	D) Oil Firing Pin Ass'y		8/29/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		9/12/91	JA

op. #	BARBER M24 0065156	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			9/12/91	JM
	G) Safety Off Force	3	3	3			9/12/91	JM
	H) Trigger Pull Test & Retainability						9/12/91	JM
	I) Firing Pin Indent	.0205	.021	.021			9/12/91	JM
	J) Assemble Stock						9/12/91	JM
	K) Assemble Swivel Studs						9-14-91	DH
	L) Attach Front and Rear Sight Assemblies						9/12/91	JM
	M) Iron Sight Alignment						9/12/91	JM
	N) Detach Front & Rear Sights & place in numbered container						9/12/91	JM
	O) Attach Scope to Rifle						9/12/91	JM
	P) Detach & Attach Scope 20 Times						9/12/91	JM
640	Gallery Target & Test						9/13/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						9/13/91	KT
655	Final Inspection							
	A) Headspace						9-14-91	DH
	B) Trigger Pull	2.19	2.15	2.16	2.17	2.17	9/14/91	JM
	C) Function						9-14-91	DH
660	Pack						9-14-91	JM

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6649130

DATE 9-12-91

TESTER JH.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.67	2.60	2.48	2.19	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.65	2.42	2.15	
PULL #3	2.51	2.57	2.45	2.16	
PULL #4	2.50	2.23	2.50	2.17	
PULL #5	2.43	2.43	2.46	2.17	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.30		
PULL #2	3.63	3.61		
PULL #3	3.63	3.63		
PULL #4	3.64	3.54		
PULL #5	3.46	3.51		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.35		4.57
PULL #2	4.55	4.40		4.58
PULL #3	4.42	4.42		4.50
PULL #4	4.46	4.41		4.53
PULL #5	4.53	4.45		4.58
TOTAL				
AVG.				

INCHANCE CALCULATIONS
 RIFLE # 06649130
 1001

INDIVIDUAL DISTANCES

1 TO	1	.159298
1 TO	2	.0638201
1 TO	3	.481365
1 TO	4	.309343
1 TO	5	.297392

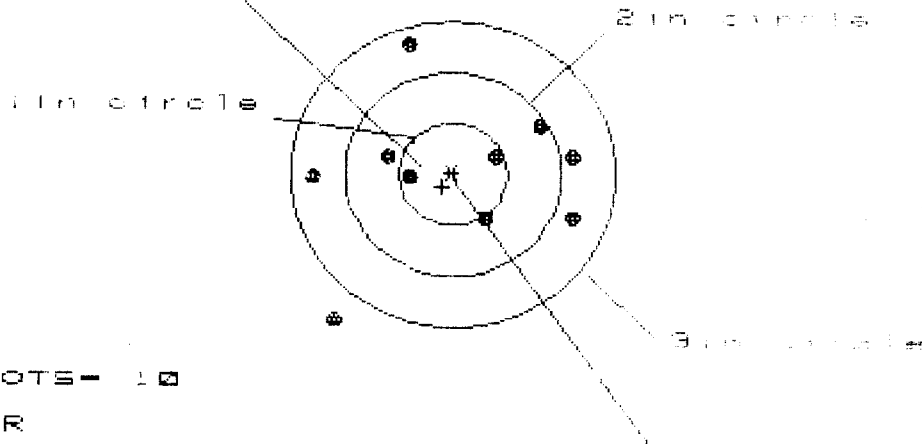
4³ 3 (-----POH

FOR THIS RIFLE IS: .966
 OF THIS RIFLE IS: -.0235
 POINT FOR THIS RIFLE IS: 1001

9012

PATTERNING/CENTERFIRE_PATT/00649103

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

15 = 2.422

50 = 2.699

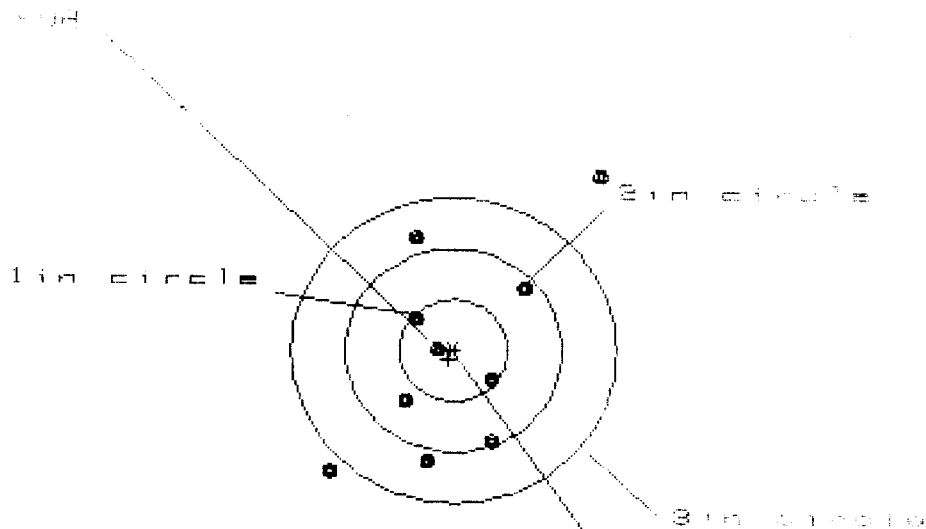
68 = 2.780

CENTROID *

PATTERN #	1	2	3
# OF SHOTS	10	9	8
1 in	1.149	1.026	1.057
2 in	-1.273	-1.396	-1.465
3 in	1.294	1.137	1.475
4 in	-1.405	-1.587	-1.445
5 in	.100	.222	.291
6 in	.124	.280	.130
7 in	.159	.357	.022
8 in	.429	.273	.254
9 in	.977	.869	.000
10 in	1.786	1.411	1.467
11 in	2.422	2.422	2.422
12 in	2.699	1.724	.920
13 in	2.780	2.435	2.435
14 in		2	
15 in		5	
16 in		9	

FILE: PATTERNING/CENTERFIRE_PATT/06849130

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 2.584

VS= 2.843

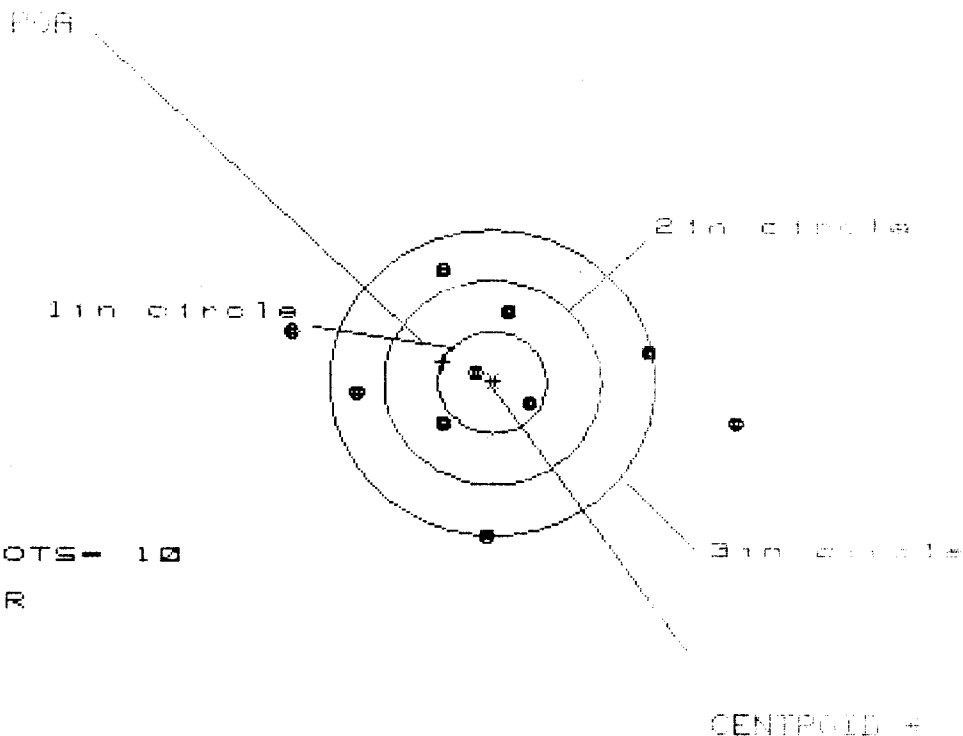
GS= 3.842

CENTROID X

PATTERN #	:			
AMOUNT SPREAD OF	:	10	9	8
MAXIMUM	:	1.394	.832	.703
MINIMUM	:	-1.190	-1.035	-.471
MAXIMUM	:	1.666	1.334	1.210
MINIMUM	:	-1.177	-.992	-.992
CENTROID	:	.048	-.107	.022
ISOTROPY	:	.087	-.098	.026
FOR A CENTROID	:	.099	.145	.034
MINIMUM	:	.135	.198	.131
MAXIMUM	:	.967	.814	.722
MAXIMUM	:	2.172	1.434	1.251
HORIZONTAL SPREAD	:	2.584	1.867	1.174
VERTICAL SPREAD	:	2.843	2.326	2.192
EXTREME SPREAD	:	3.842	2.595	2.194
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3

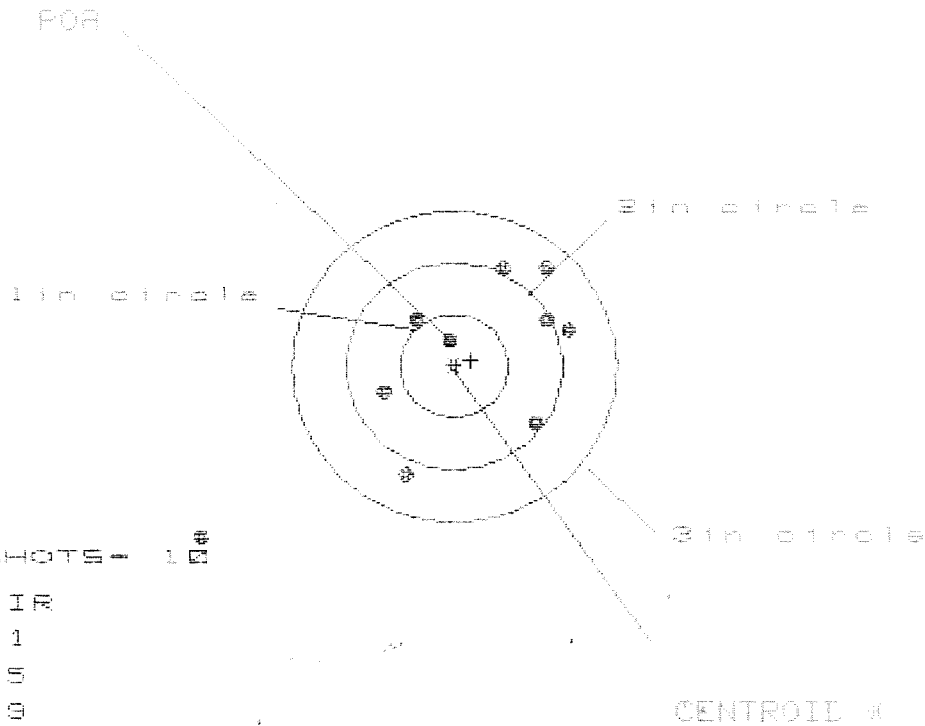


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.289	1.696	1.498
MINIMUM X	-1.832	-1.577	-1.214
MAXIMUM Y	1.116	1.069	1.124
MINIMUM Y	-1.534	-1.581	-1.526
ISO-RADIUS	.456	.201	.399
CENTROID X	-.200	-.153	-.208
CENTROID Y	.498	.253	.450
ISO-RADIUS	.198	.147	.170
MAX-RADIUS	1.153	1.004	.910
MIN-RADIUS	2.327	1.711	1.526
HORIZONTAL SPREAD	4.121	3.273	2.712
VERTICAL SPREAD	2.650	2.650	2.650
EXTREME SPREAD	4.219	3.280	2.742
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	7	

M24 0065162

FILE: PATTERNING/CENTERFIRE_PATT/CBB48130

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 9

HO = 2.422

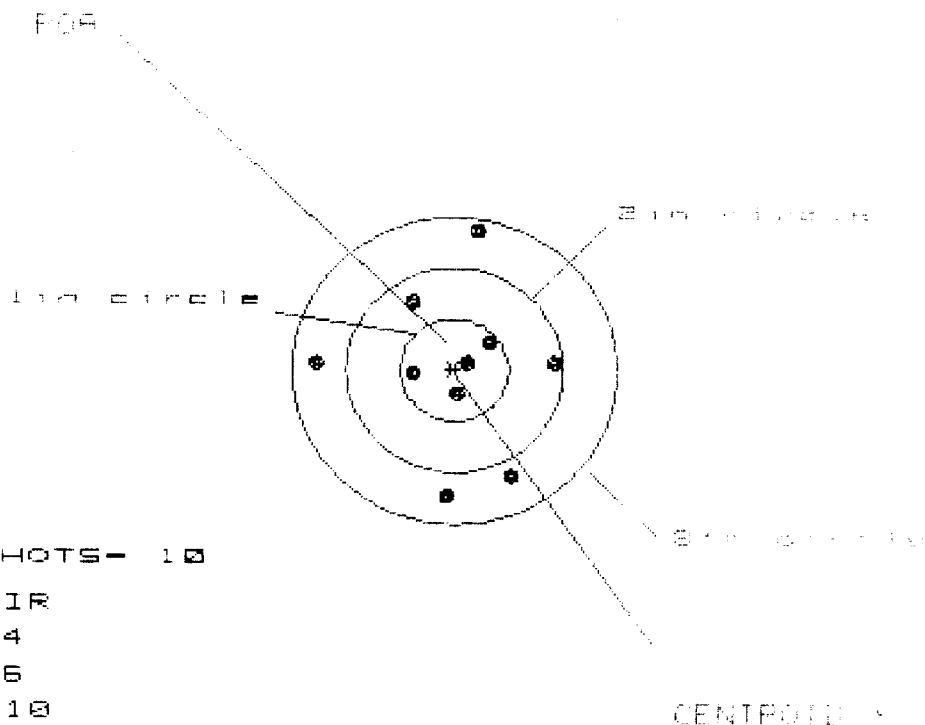
VS = 2.551

GS = 4.100

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.044	.786	.851
MINIMUM X	-2.378	-.950	-.879
MAXIMUM Y	.941	.762	.833
MINIMUM Y	-1.610	-1.185	-1.090
CENTROID X	-.153	.111	.040
CENTROID Y	-.054	.125	.030
POA TO CENTROID (in)	.162	.167	.050
MIN RADIUS	.271	.346	.319
MEAN RADIUS	1.085	.833	.821
MAX RADIUS	2.872	1.398	1.280
HORIZONTAL SPREAD	3.422	1.730	1.730
VERTICAL SPREAD	2.551	1.947	1.923
EXTREME SPREAD	4.100	2.347	2.150
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 9		

FILE: PATTERNING/CENTERFIRE_PAT0065163

CENTERFIRE PATTERNS



OF SHOTS- 10

IN CIR

1 in - 4

2 in - 6

3 in - 10

HS= 2.120

VS= 2.580

GS= 2.596

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.888	.909	.849
MINIMUM X	:	-1.232	-1.211	-1.221
MAXIMUM Y	:	1.330	.821	.683
MINIMUM Y	:	-1.250	-1.102	-1.173
CENTROID X	:	-.121	-.142	-.121
CENTROID Y	:	-.075	-.223	-.085
FOR TO CENTROID (in)	:	.143	.264	.157
MIN RADIOS	:	.082	.110	.036
MEAN RADIOS	:	.778	.718	.650
MAX RADIOS	:	1.343	1.230	1.233
HORIZONTAL SPREAD	:	2.120	2.120	2.120
VERTICAL SPREAD	:	2.580	1.923	1.656
EXTREME SPREAD	:	2.596	2.120	2.120
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	