

C6649066

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



Remington® **DU PONT**
REG. U.S. PAT. & TM. OFF.

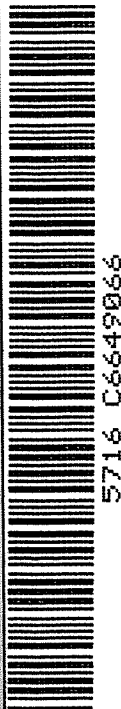
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ M24

SERIAL NO. C6649066

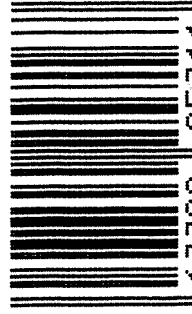
ORDER NO. 5716

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



5716 C6649066

UPC



0 47700 25716 7

MOD. _____		GA. CAL. _____	GUN # <u>9066</u>
INSP. #	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st		
NF	9/11	Bolt Handle Hit Stock	KS
	2nd		
	9/11	REP'D	KS
	3rd		
	4th		

FINAL INSPECTION RD 6657 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649066

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	GS
617	Drill and Tap Sight Holes		AUG 7 1991	FB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8-27-91	T/A
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/4/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/4/91	KA
	C) Inspect Ejector Hole for Chamfer		9/4/91	KA
	D) Oil Firing Pin Ass'y		9/4/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		9/7/91	KA

op. #	DESCRIPTION	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			9/7/91	JK
	G) Safety Off Force	3	3	3			9/7/91	JK
	H) Trigger Pull Test & Retainability						9-7-91	JK
	I) Firing Pin Indent	1021	10225	10225			9/7/91	JK
	J) Assemble Stock						9/10/91	JK
	K) Assemble Swivel Studs						9-13-91	D/H
	L) Attach Front and Rear Sight Assemblies						9/10/91	JK
	M) Iron Sight Alignment						9/10/91	JK
	N) Detach Front & Rear Sights & place in numbered container						9/10/91	JK
	O) Attach Scope to Rifle						9/10/91	JK
	P) Detach & Attach Scope 20 Times						9/10/91	JK
640	Gallery Target & Test						9-11-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						9-11-91	NF
655	Final Inspection							
	A) Headspace						9-13-91	D/H
	B) Trigger Pull	2.14	2.24	2.37	2.38	2.46	9-12-1991	JK
	C) Function						9-13-91	D/H
660	Pack						9-19-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649066

DATE 9-7-91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.57	2.48	2.14	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.55	2.44	2.24	
PULL #3	2.52	2.60	2.53	2.37	
PULL #4	2.65	2.66	2.50	2.38	
PULL #5	2.48	2.52	2.56	2.46	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.33		
PULL #2	3.29	3.40		
PULL #3	3.23	3.20		
PULL #4	3.20	3.19		
PULL #5	3.23	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	4.30	4.34		4.20
PULL #2	4.18	4.25		4.15
PULL #3	4.18	4.26		4.18
PULL #4	4.34	4.28		4.40
PULL #5	4.35	4.27		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649066
12 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.137004
1 TO	2	.213638
1 TO	3	.075452
1 TO	4	.200831
1 TO	5	.0247588

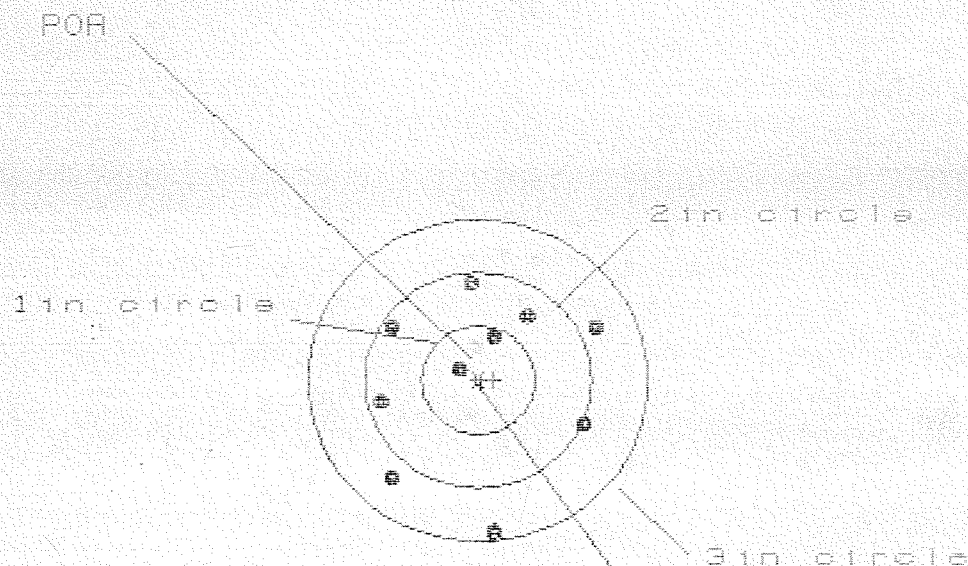
4 <----POA

WEIGHTED X-COORDINATE FOR THIS RIFLE IS: -.0634
WEIGHTED Y-COORDINATE FOR THIS RIFLE IS: -.0298
AVERAGE POI RADIUS FOR THIS RIFLE IS: .070054
P.O. RIFLE IS: .9938

11 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649066

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.917

VS= 2.297

GS= 2.307

CENTROID #

PATTERN #

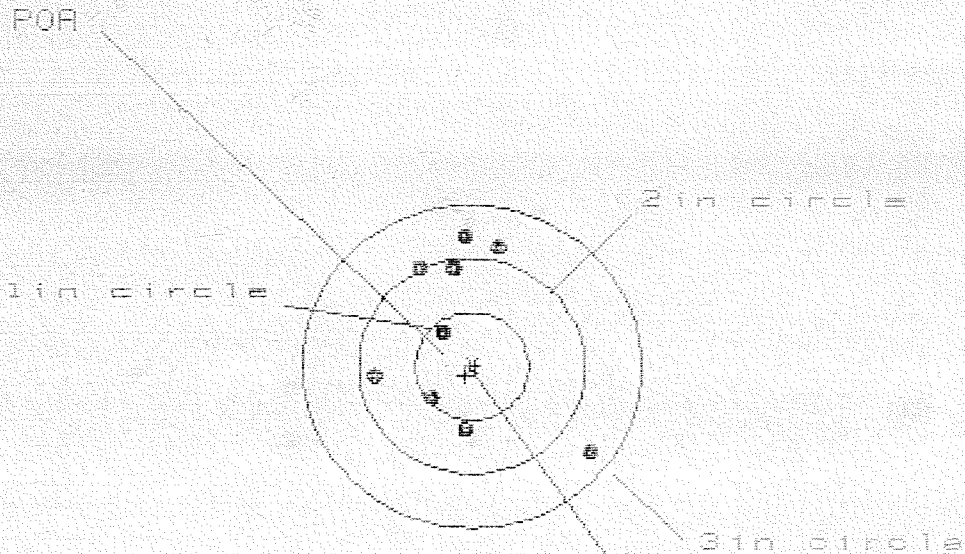
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.025	1.045	.955
MINIMUM X	-.892	-.872	-.962
MAXIMUM Y	.865	.706	.574
MINIMUM Y	-1.432	-1.057	-.679
CENTROID X	-.137	-.157	-.067
CENTROID Y	.001	.160	.292
POA TO CENTROID in.	.137	.224	.299
MIN RADIUS	.220	.184	.101
MEAN RADIUS	.876	.776	.684
MAX RADIUS	1.443	1.280	1.079
HORIZONTAL SPREAD	1.917	1.917	1.917
VERTICAL SPREAD	2.297	1.763	1.253
EXTREME SPREAD	2.307	2.270	2.047
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

11 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649066

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 1.941

VS= 4.030

GS= 4.137

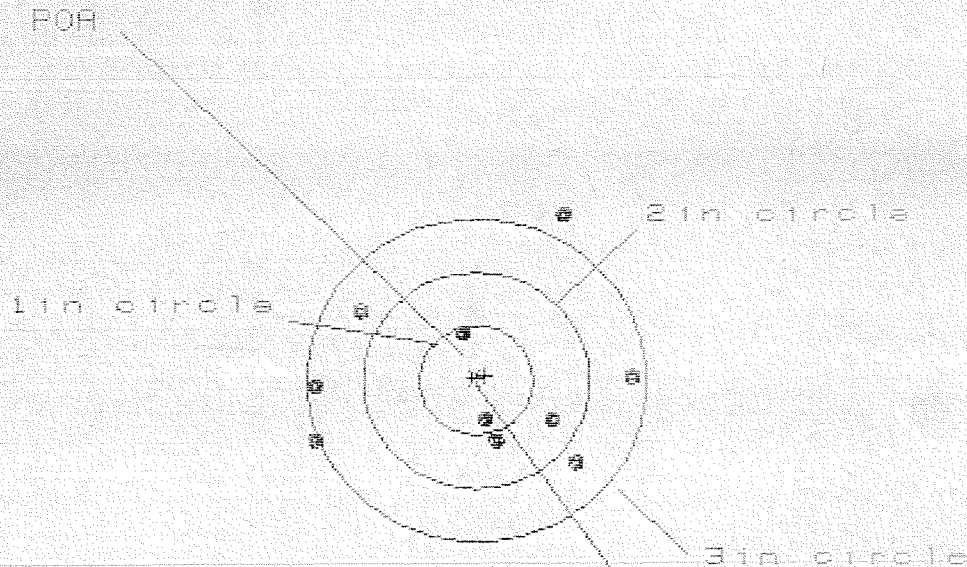
CENTROID #

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.040	1.140	.525
MINIMUM X	-.901	-.801	-.658
MAXIMUM Y	1.200	.885	.752
MINIMUM Y	-2.830	-1.063	-1.017
CENTROID X	.059	-.041	-.104
CENTROID Y	.086	.401	.534
POA TO CENTROID in.	.105	.403	.564
MIN RADIUS	.417	.212	.111
MEAN RADIUS	1.097	.813	.676
MAX RADIUS	2.972	1.559	1.030
HORIZONTAL SPREAD	1.941	1.941	1.183
VERTICAL SPREAD	4.030	1.948	1.769
EXTREME SPREAD	4.137	2.256	1.770
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

01 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649066

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.829

VS= 2.226

GS= 3.018

CENTROID *

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.388	1.476	1.307
MINIMUM X	-1.441	-1.353	-1.474
MAXIMUM Y	1.514	.815	.770
MINIMUM Y	-.712	-.543	-.587
CENTROID X	-.075	-.163	.006
CENTROID Y	-.042	-.211	-.167
POA TO CENTROID in.	.086	.266	.167
MIN RADIUS	.344	.221	.218
MEAN RADIUS	1.046	.953	.871
MAX RADIUS	1.707	1.488	1.475
HORIZONTAL SPREAD	2.829	2.829	2.781
VERTICAL SPREAD	2.226	1.358	1.358
EXTREME SPREAD	3.018	2.880	2.782
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

11 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649066

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.056

VS= 3.125

GS= 3.167

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.288

1.335

.967

MINIMUM X

-.768

-.721

-.554

MAXIMUM Y

1.796

1.116

1.079

MINIMUM Y

-1.329

-1.129

-1.166

CENTROID X

-.044

-.092

-.259

CENTROID Y

-.177

-.377

-.340

POA TO CENTROID in.

.183

.388

.427

MIN RADIUS

.312

.133

.282

MEAN RADIUS

.953

.813

.728

MAX RADIUS

1.847

1.367

1.173

HORIZONTAL SPREAD

2.056

2.245

1.521

VERTICAL SPREAD

3.125

2.245

2.245

EXTREME SPREAD

3.167

2.246

2.246

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

7

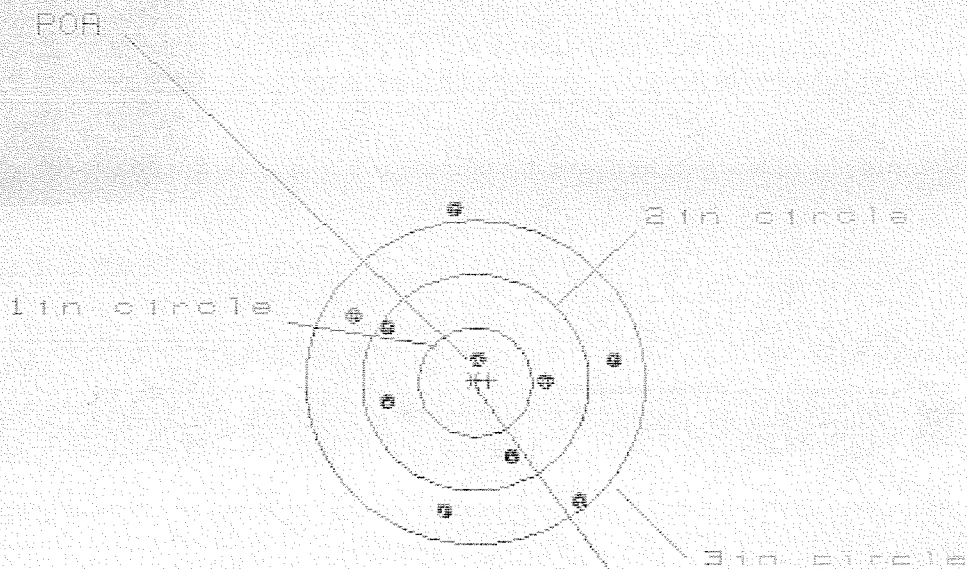
NUMBER IN THREE INCH CIRCLE =

9

11 Sep 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C8649066

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 2.323

VS = 2.818

GS = 2.984

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.232
MINIMUM X	-1.091
MAXIMUM Y	1.637
MINIMUM Y	-1.181
CENTROID X	-.120
CENTROID Y	-.017
POA TO CENTROID in.	.121
MIN RADIUS	.218
MEAN RADIUS	.997
MAX RADIUS	1.648
HORIZONTAL SPREAD	2.323
VERTICAL SPREAD	2.818
EXTREME SPREAD	2.984
NUMBER IN ONE INCH CIRCLE	1
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	9