

C6648960

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington[®] **DU PONT**
RES. U.S. PAT. & TM. OFF.

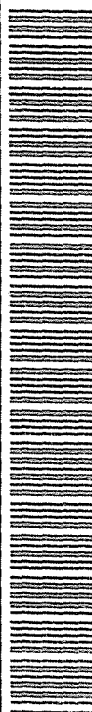
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM M24

SERIAL NO.
C6648960

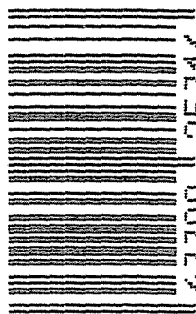
ORDER NO.
5716

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



5716 C6648960

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6648960

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	GS
	Magnaflux Bolt		JUL 22 1991	GS
615	Rollmark Caliber		JUL 22 1991	GS
617	Drill and Tap Sight Holes		JUL 22 1991	LB
618	Polish Barrel		7/24/91	WB
620	Apply Coatings (Barrel Action)		8-2-91	AS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/9/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/9/91	RW
	C) Inspect Ejector Hole for Chamfer		8/9/91	RW
	D) Oil Firing Pin Ass'y		8/9/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/21/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8/21/91	JK
	G) Safety Off Force	3	3	3			8/21/91	JK
	H) Trigger Pull Test & Retainability						8/24/91	JK
	I) Firing Pin Indent	.0225	.0225	.0225			8/21/91	JK
	J) Assemble Stock						8/26/91	RW
	K) Assemble Swivel Studs						8-27-91	D/H
	L) Attach Front and Rear Sight Assemblies						8/26/91	RW
	M) Iron Sight Alignment						8/26/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/26/91	RW
	O) Attach Scope to Rifle						8/26/91	RW
	P) Detach & Attach Scope 20 Times						8/26/91	RW
640	Gallery Target & Test						8-26-91	D/H
	A) Time						8-26-91	D/H
	B) Malfunctions						8-26-91	AC
	C) Pierced Primers						8-26-91	AC
	D) Optical Clarity of Scope						8-26-91	AC
645	Inspect for Live Ammo						8-26-91	AC
655	Final Inspection							
	A) Headspace						8-27-91	D/H
	B) Trigger Pull	252	252	254	263	263	8-26-91	D/H
	C) Function						8-27-91	D/H
660	Pack						9-17-91	D/H

AVERAGE PULL FORCE BETWEEN

~~INITIAL & CYCLE TESTS~~

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6648960DATE 8/21/91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.64	2.34	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.26	2.55	2.52	
PULL #3	2.25	2.61	2.48	2.54	
PULL #4	2.23	2.60	2.50	2.63	
PULL #5	2.25	2.44	2.61	2.63	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.42		
PULL #2	3.32	3.47		
PULL #3	3.69	3.39		
PULL #4	3.37	3.55		
PULL #5	3.49	3.37		
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	4.24		4.27
PULL #2	4.18	4.23		4.28
PULL #3	4.26	4.24		4.27
PULL #4	4.21	4.31		4.23
PULL #5	4.23	4.19		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06648960
26 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.281824
1 TO	2	.294478
1 TO	3	.0277308
1 TO	4	.422765
1 TO	5	.289836

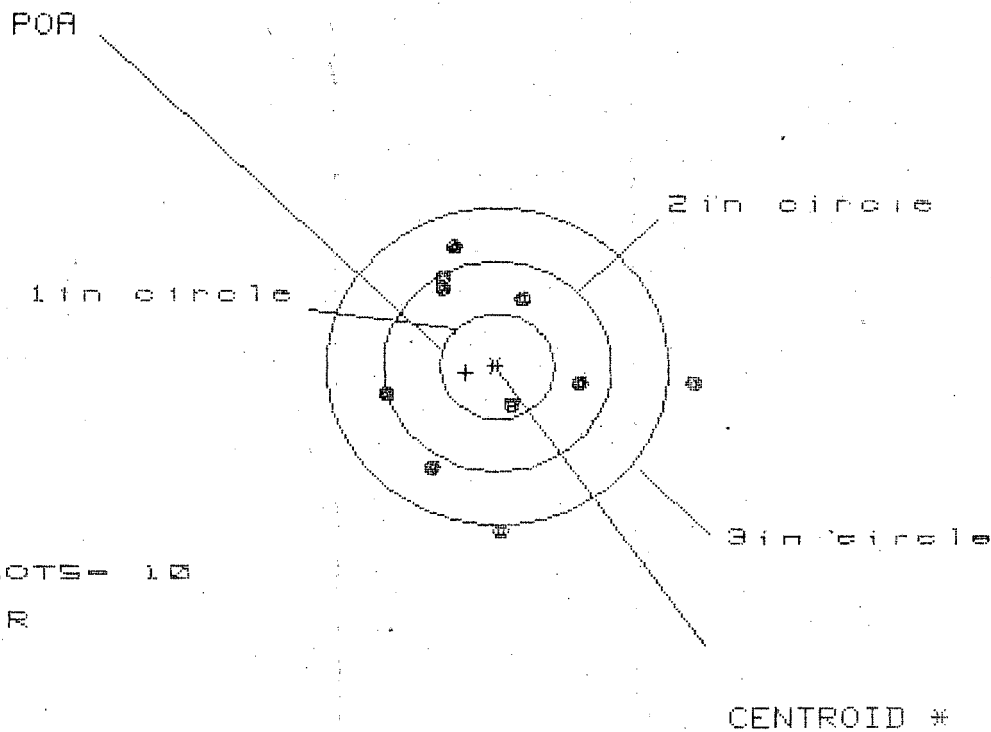
43 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2072
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0964
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .228527
THE AMR FOR THIS RIFLE IS: .883

S. R. 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C854B360

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.738

VS= 2.640

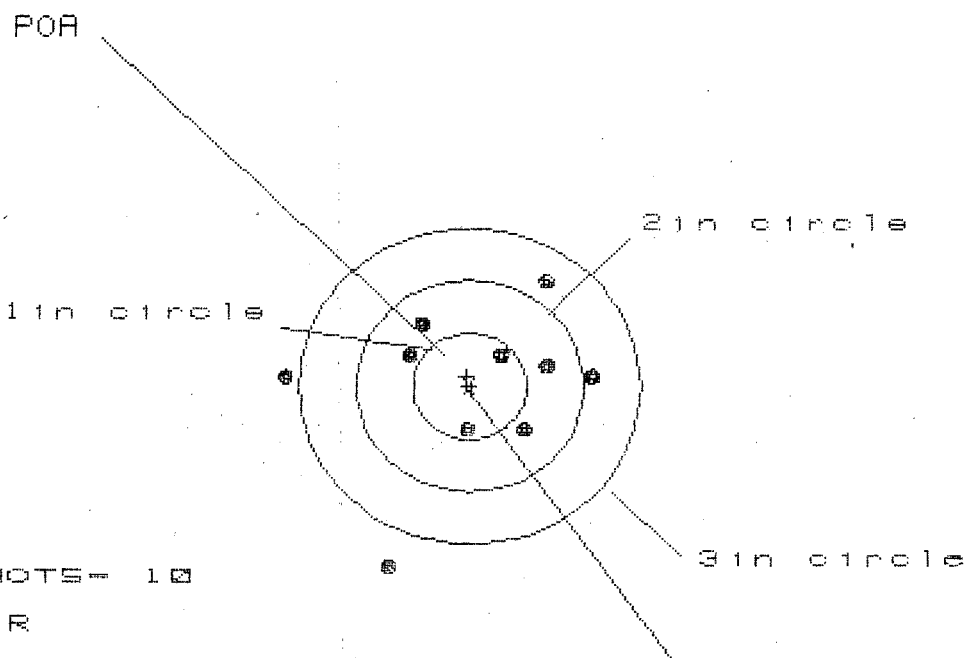
GS= 2.739

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.747	.919	.947
MINIMUM X	-.991	-.797	-.769
MAXIMUM Y	1.121	1.101	.909
MINIMUM Y	-1.519	-1.539	-1.190
CENTROID X	.276	.082	.054
CENTROID Y	.057	.077	.269
POA TO CENTROID in.	.282	.113	.274
MIN RADIUS	.353	.467	.572
MEAN RADIUS	1.022	.931	.825
MAX RADIUS	1.755	1.556	1.231
HORIZONTAL SPREAD	2.738	1.716	1.716
VERTICAL SPREAD	2.640	2.640	2.099
EXTREME SPREAD	2.739	2.676	2.103
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C664B960

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.655

VS= 2.724

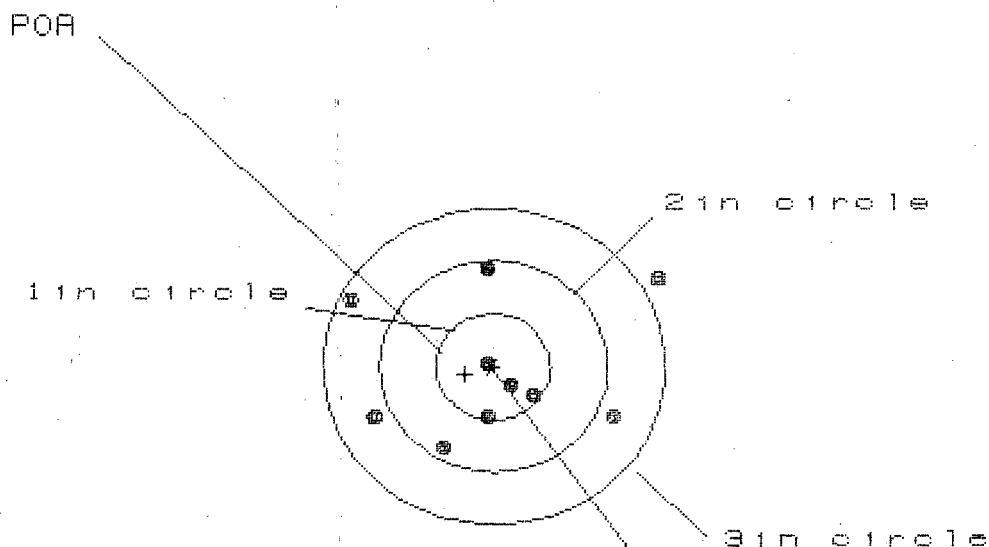
GS= 3.050

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.067	.990	.782
MINIMUM X	-1.588	-1.665	-.800
MAXIMUM Y	.989	.796	.783
MINIMUM Y	-1.735	-.600	-.613
CENTROID X	.022	.099	.307
CENTROID Y	-.092	.101	.114
POA TO CENTROID in.	.094	.141	.327
MIN RADIUS	.398	.256	.132
MEAN RADIUS	.924	.790	.644
MAX RADIUS	1.867	1.668	.879
HORIZONTAL SPREAD	2.655	2.655	1.582
VERTICAL SPREAD	2.724	1.396	1.396
EXTREME SPREAD	3.050	2.655	1.606
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	8	

26 Aug 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS = 2.740

VS = 1.659

GS = 2.846

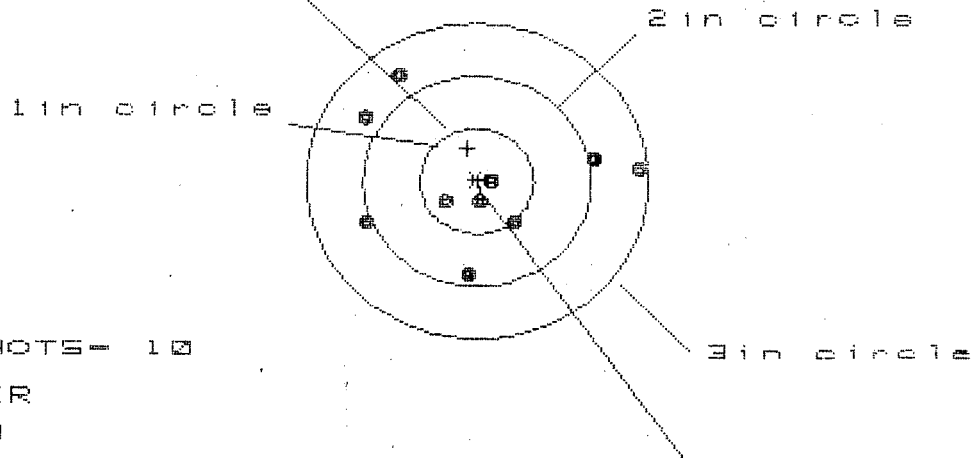
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.485	1.166	1.029
MINIMUM X	-1.255	-1.090	-1.012
MAXIMUM Y	.925	1.022	1.114
MINIMUM Y	-.734	-.637	-.545
CENTROID X	.251	.086	.223
CENTROID Y	.069	-.028	-.120
POA TO CENTROID in.	.261	.091	.253
MIN RADIUS	.057	.223	.169
MEAN RADIUS	.828	.735	.623
MAX RADIUS	1.723	1.315	1.115
HORIZONTAL SPREAD	2.740	2.256	2.041
VERTICAL SPREAD	1.659	1.659	1.659
EXTREME SPREAD	2.846	2.519	2.041
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

26 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6646960

CENTERFIRE PATTERNS # 4

POA



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 2.420

VS= 1.908

GS= 2.456

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.435	1.224	1.160
MINIMUM X	-.985	-.825	-.889
MAXIMUM Y	1.005	1.013	.762
MINIMUM Y	-.903	-.895	-.768
CENTROID X	.077	-.083	-.019
CENTROID Y	-.316	-.324	-.451
POA TO CENTROID in.	.325	.335	.452
MIN RADIUS	.123	.175	.153
MEAN RADIUS	.795	.724	.638
MAX RADIUS	1.438	1.254	1.227
HORIZONTAL SPREAD	2.420	2.049	2.049
VERTICAL SPREAD	1.908	1.908	1.530
EXTREME SPREAD	2.456	2.136	2.136
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

26 Aug 1991

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 9

HS = 2.451

VS = 2.294

GS = 2.767

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.562	1.013	.933
MINIMUM X	-.889	-.715	-.795
MAXIMUM Y	1.048	1.007	.817
MINIMUM Y	-1.246	-1.287	-1.161
CENTROID X	.410	.236	.316
CENTROID Y	-.200	-.159	-.285
POA TO CENTROID in.	.456	.285	.426
MIN RADIUS	.206	.068	.169
MEAN RADIUS	.846	.728	.696
MAX RADIUS	1.605	1.358	1.214
HORIZONTAL SPREAD	2.451	1.728	1.728
VERTICAL SPREAD	2.294	2.294	1.978
EXTREME SPREAD	2.767	2.533	2.051
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		