

C6649220

MODEL 700™ M24

Model SMS™

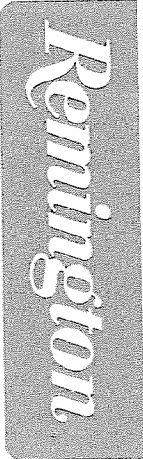
Action

Barrel Length

Capacity

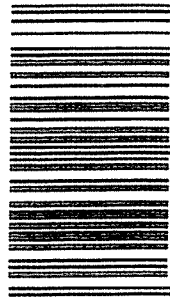
Order No. 5716

*Includes 1 in chamber.



Remington® MODEL 700™ M24 MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
DU PONT REG. U.S. PAT. & T.M. OFF.		SERIAL NO. C6649220
0.5		ORDER NO. 5716

UPC



0 47700 25716 7



5716 C6649220

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649220

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 25	9 1	RW
600	Proof	6 25	9 1	RW
607	Check Headspace	6 25	9 1	RW
610	Dis-assemble Gun	6 25	9 1	RW
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	GL
617	Drill and Tap Sight Holes	JUL	1 1991	LB
618	Polish Barrel	JUL	2 1991	LB
620	Apply Coatings (Barrel Action)	8-7-91		LB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/28/91	RW
	C) Inspect Ejector Hole for Chamfer		8/28/91	RW
	D) Oil Firing Pin Ass'y		8/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-5-91	RM

op. #	BARBER M24 0066603	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/5/91	RU
	G) Safety Off Force	3	3	3			9/5/91	RU
	H) Trigger Pull Test & Retainability						9/5/91	RU
	I) Firing Pin Indent	1020	020	020			9/5/91	RU
	J) Assemble Stock						9/6/91	RW
	K) Assemble Swivel Studs						9-12-91	D/H
	L) Attach Front and Rear Sight Assemblies						9/6/91	RW
	M) Iron Sight Alignment						9/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						9/6/91	RW
	O) Attach Scope to Rifle						9/6/91	RW
	P) Detach & Attach Scope 20 Times						9/6/91	RW
640	Gallery Target & Test						9-9-91	NE
	A) Time						"	NE
	B) Malfunctions						"	NE
	C) Pierced Primers						"	NE
	D) Optical Clarity of Scope						"	NE
645	Inspect for Live Ammo						9-9-91	NE
655	Final Inspection							
	A) Headspace						9-12-91	D/H
	B) Trigger Pull	232	228	230	224	222	9-11-91	DH
	C) Function						9-12-91	D/H
660	Pack						9-18-91	NE

SWS TRIGGER PULL TEST

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

SERIAL NO C16649220DATE 9-5-91TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.23	2.51	2.53	232	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.57	2.50	228	
PULL #3	2.20	2.62	2.59	230	
PULL #4	2.28	2.53	2.60	224	
PULL #5	2.57	2.54	2.61	222	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.44		
PULL #2	3.65	3.43		
PULL #3	3.37	3.40		
PULL #4	3.25	3.49		
PULL #5	3.23	3.15		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.36		4.31
PULL #2	4.34	4.31		4.32
PULL #3	4.37	4.48		4.32
PULL #4	4.32	4.30		4.40
PULL #5	4.29	4.30		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649220
9 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.188162
1 TO	2	.461276
1 TO	3	.343757
1 TO	4	.083863
1 TO	5	.223182

<----POA

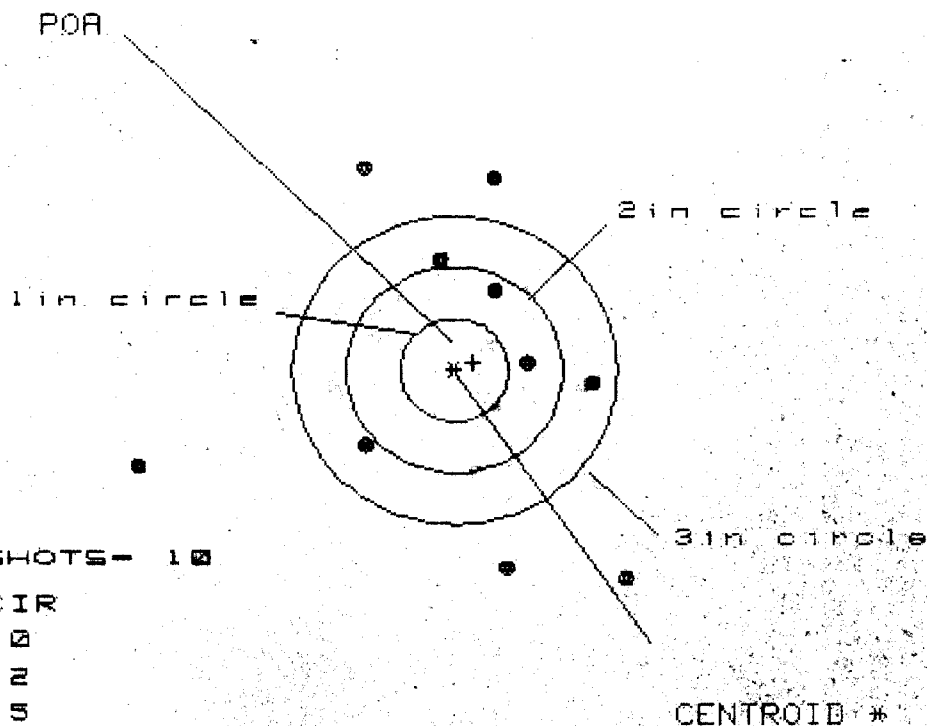
AVERAGE X-COORDINATE FOR THIS RIFLE IS: .028
AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0018
RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0280578
FOR THIS RIFLE IS: 1.281

9 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649820

CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 2

3 in = 5

HS = 4.450

VS = 3.973

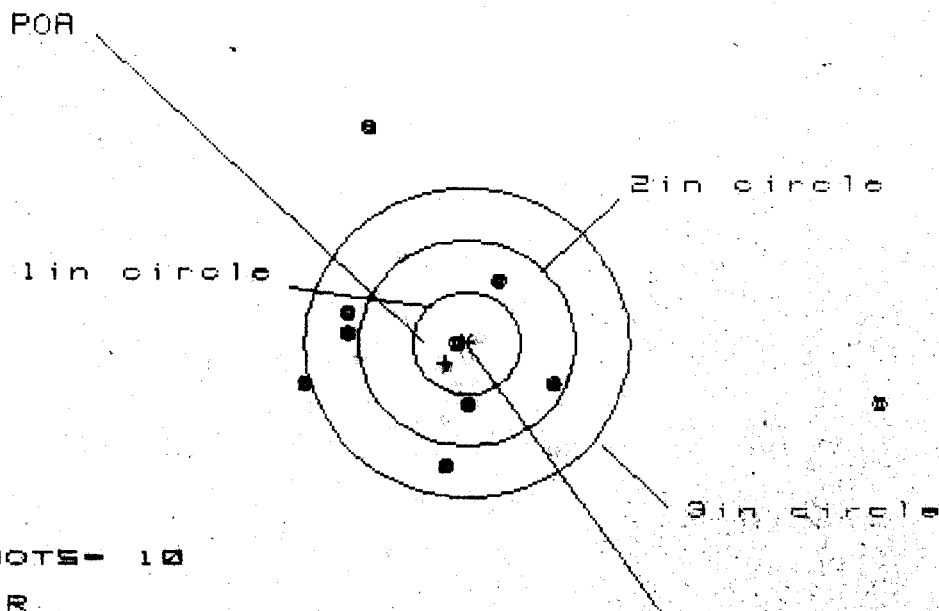
GS = 4.655

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.573	1.253	1.130
MINIMUM X	-2.877	-1.172	-1.015
MAXIMUM Y	1.924	1.025	1.556
MINIMUM Y	-2.049	-2.149	-2.314
CENTROID X	-.173	.147	-.010
CENTROID Y	-.074	.025	.294
POA TO CENTROID in.	.100	.149	.294
MIN RADIUS	.702	.383	.466
MEAN RADIUS	1.064	1.449	1.282
MAY RADIUS	3.013	2.487	2.331
HORIZONTAL SPREAD	4.450	2.425	2.145
VERTICAL SPREAD	3.973	3.973	3.870
EXTREME SPREAD	4.655	4.655	4.081
NUMBER IN ONE INCH CIRCLE =	0	0	0
NUMBER IN TWO INCH CIRCLE =	2	2	2
NUMBER IN THREE INCH CIRCLE =	5	5	5

9 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649220

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 5.287

VS= 3.283

GS= 5.475

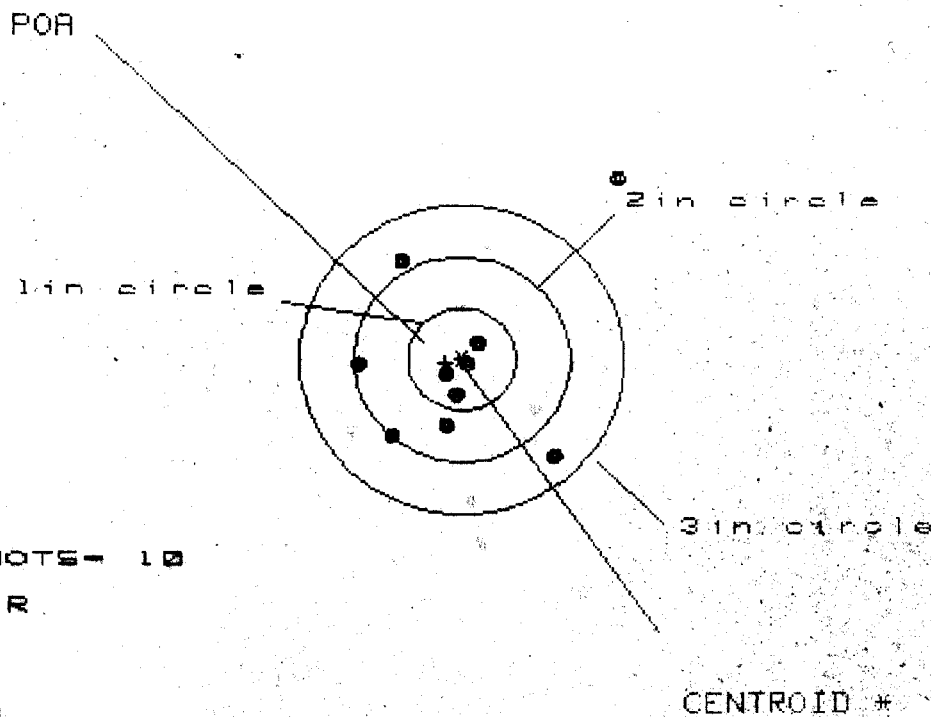
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	3.831	1.265	1.200
MINIMUM X	-1.456	-1.030	-1.095
MAXIMUM Y	2.123	2.062	.785
MINIMUM Y	-1.160	-1.221	-.963
CENTROID X	.201	-.225	-.160
CENTROID Y	.196	.257	-.001
POA TO CENTROID in.	.280	.341	.160
MIN RADIUS	.113	.319	.343
MEAN RADIUS	1.347	1.028	.865
MAX RADIUS	3.870	2.127	1.219
HORIZONTAL SPREAD	5.287	2.295	2.295
VERTICAL SPREAD	3.283	3.283	1.748
EXTREME SPREAD	5.475	3.359	2.295
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

9 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649220

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 4

2in = 7

3in = 9

HS = 2.457

VS = 2.752

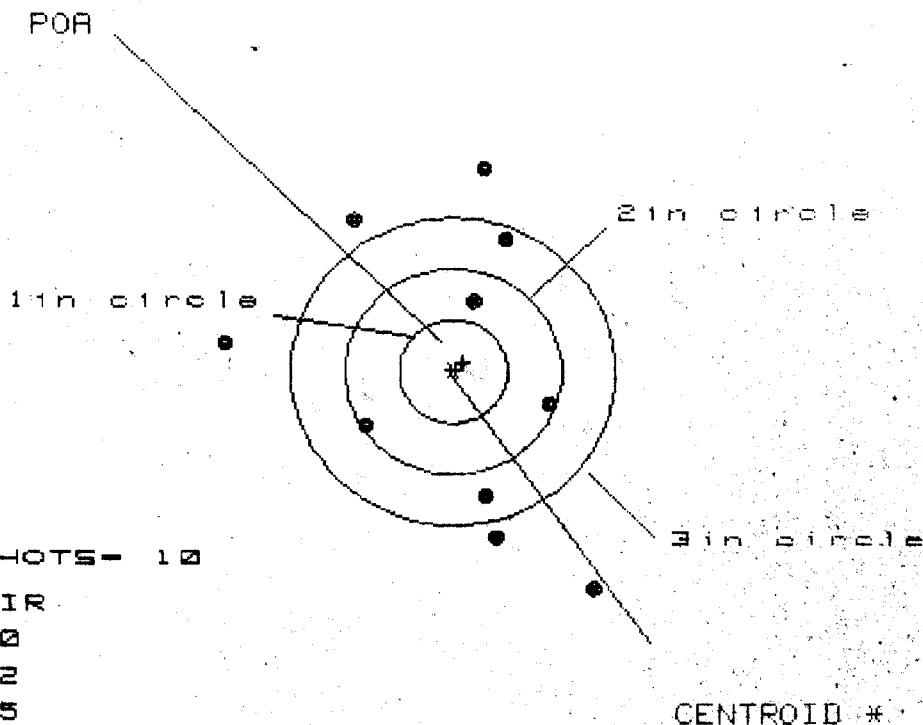
GS = 3.289

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.486	.971	.413
MINIMUM X	:	-.971	-.806	-.684
MAXIMUM Y	:	1.775	1.156	1.058
MINIMUM Y	:	-.976	-.779	-.619
CENTROID X	:	.152	-.013	-.135
CENTROID Y	:	.039	-.160	-.062
POA TO CENTROID in.	:	.156	.160	.148
MIN RADIUS	:	.052	.060	.194
MEAN RADIUS	:	.808	.598	.547
MAX RADIUS	:	2.315	1.245	1.081
HORIZONTAL SPREAD	:	2.457	1.777	1.097
VERTICAL SPREAD	:	2.752	1.935	1.677
EXTREME SPREAD	:	3.289	2.339	1.684
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

9 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649220

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR.

1in = 0

2in = 2

3in = 5

HS= 3.369

VS= 4.105

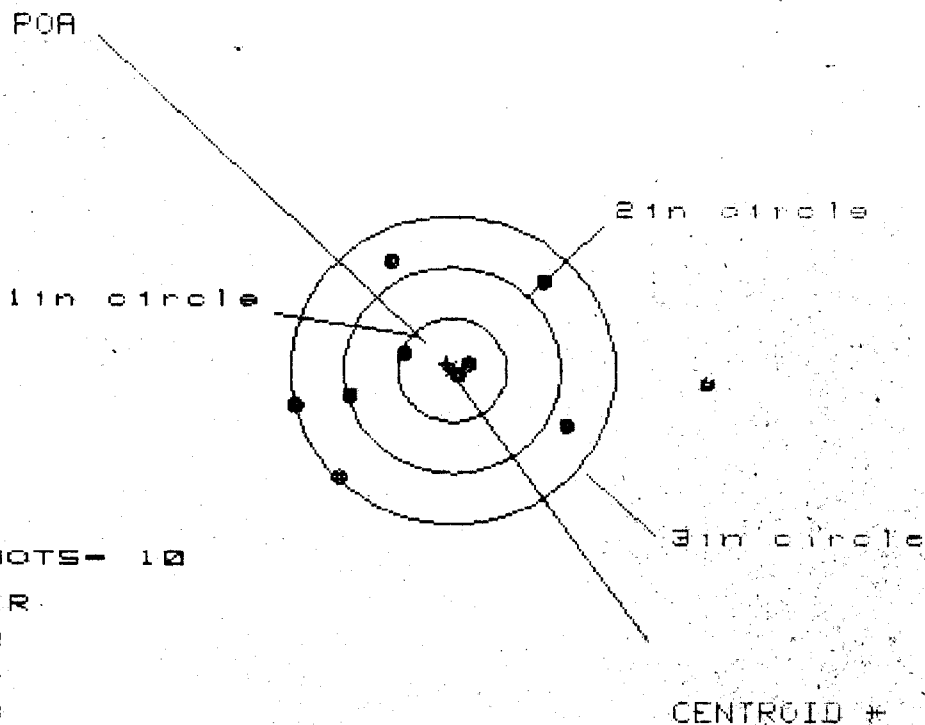
GS= 4.230

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.298	.997	.756
MINIMUM X	-2.071	-1.926	-.969
MAXIMUM Y	2.026	1.795	1.796
MINIMUM Y	-2.079	-1.883	-1.882
CENTROID X	-.090	-.235	.006
CENTROID Y	-.086	.145	.144
POA TO CENTROID in.	.125	.276	.144
MIN RADIUS	.758	.605	.512
MEAN RADIUS	1.535	1.417	1.323
MAX RADIUS	2.451	1.952	1.902
HORIZONTAL SPREAD	3.369	2.923	1.725
VERTICAL SPREAD	4.105	3.678	3.678
EXTREME SPREAD	4.230	3.679	3.679
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	5		

9 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649820

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR.

1 in = 3

2 in = 4

3 in = 8

HS= 3.834

VS= 2.027

GS= 3.842

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.367	1.265	1.115
MINIMUM X	-1.467	-1.204	-.940
MAXIMUM Y	1.041	1.027	.978
MINIMUM Y	-.986	-1.000	-1.049
CENTROID X	.050	-.213	-.062
CENTROID Y	-.065	-.051	-.002
POA TO CENTROID in.	.082	.219	.063
MIN RADIUS	.016	.243	.126
MEAN RADIUS	1.051	.896	.829
MAX RADIUS	2.370	1.407	1.408
HORIZONTAL SPREAD	3.834	2.469	2.054
VERTICAL SPREAD	2.027	2.027	2.027
EXTREME SPREAD	3.842	2.655	2.655
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	