

C6649080

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700TM H24

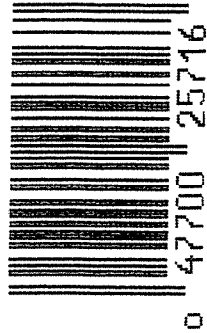
SERIAL NO. C6649080

ORDER NO. 5716

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



UPC



GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649080

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/2/91	KL
600	Proof		8/2/91	KL
607	Check Headspace		8/2/91	KL
610	Dis-assemble Gun		8/2/91	KL
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	LS
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	LA
	Apply Coating (Bolt)			LA
625	Final Assembly A) Clean inside of Bolt Assembly		9/4/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/4/91	KL
	C) Inspect Ejector Hole for Chamfer		9/4/91	KL
	D) Oil Firing Pin Ass'y		9/4/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		9/9/91	JA

op. #	BARBER - M24 0031419 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			9/9/91	SL
	G) Safety Off Force	4	4	4			9/9/91	SL
	H) Trigger Pull Test & Retainability						9/9/91	SL
	I) Firing Pin Indent	.0205	.022	.0215			9/9/91	SL
	J) Assemble Stock						9/10/91	SL
	K) Assemble Swivel Studs						9/13/91	SL
	L) Attach Front and Rear Sight Assemblies						9/10/91	SL
	M) Iron Sight Alignment						9/10/91	SL
	N) Detach Front & Rear Sights & place in numbered container						9/10/91	SL
	O) Attach Scope to Rifle						9/10/91	SL
	P) Detach & Attach Scope 20 Times						9/10/91	SL
640	Gallery Target & Test						9-12-91	AC
	A) Time						9-12-91	AC
	B) Malfunctions						9-12-91	AC
	C) Pierced Primers						9-12-91	AC
	D) Optical Clarity of Scope						9-12-91	AC
645	Inspect for Live Ammo						9-12-91	AC
655	Final Inspection							
	A) Headspace						9/13/91	SL
	B) Trigger Pull	255	265	273	267	266	9-12-91	D/H
	C) Function						9-13-91	SL
660	Pack						9-19-91	VF

TIME 31.4

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6649080DATE 9/9/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.32	2.30	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.39	2.32	2.65	
PULL #3	2.33	2.37	2.38	2.73	
PULL #4	2.26	2.38	2.40	2.67	
PULL #5	2.35	2.25	2.36	2.66	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.55		
PULL #2	3.54	3.54		
PULL #3	3.39	3.46		
PULL #4	3.44	3.55		
PULL #5	3.36	3.40		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.32		4.34
PULL #2	4.20	4.36		4.32
PULL #3	4.22	4.36		4.50
PULL #4	4.25	4.34		4.43
PULL #5	4.30	4.37		
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649080
12 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.304133
1 TO	2	.574199
1 TO	3	.522245
1 TO	4	.404377
1 TO	5	.483223

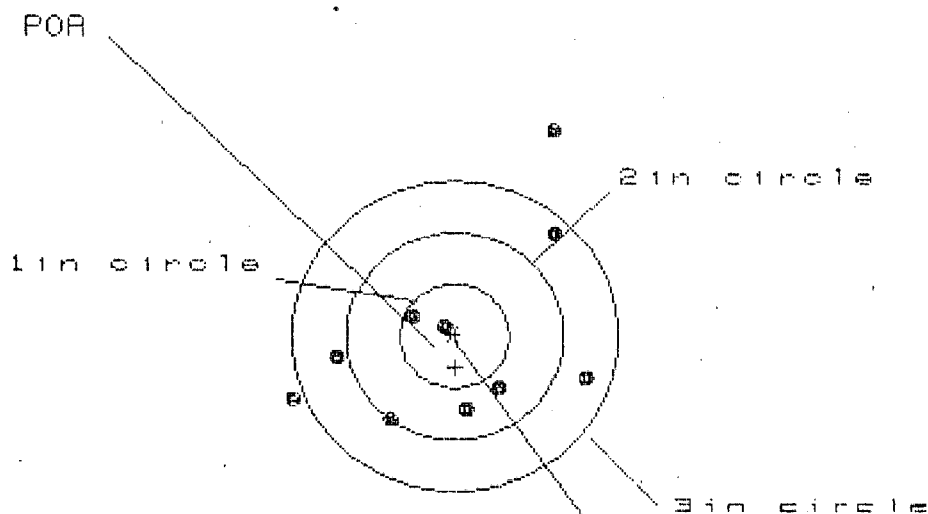
1
12 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2128
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0172
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .213494
THE AMR FOR THIS RIFLE IS: 1.041

10 531

FILE:/PATTERNING/CENTERFIRE_PATT/C6B490B0

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.732

VS= 2.833

GS= 3.540

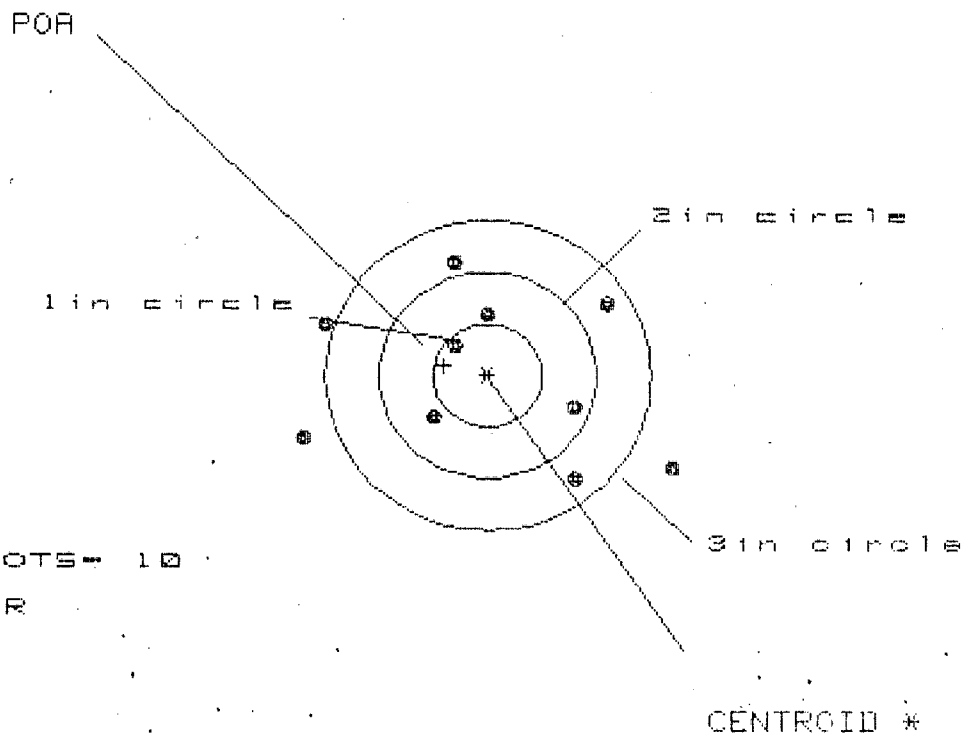
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.247	1.353	1.180
MINIMUM X	-1.485	-1.379	-1.157
MAXIMUM Y	1.999	1.174	1.130
MINIMUM Y	-0.834	-0.612	-0.656
CENTROID X	-0.009	-0.115	0.058
CENTROID Y	0.304	0.082	0.126
POA TO CENTROID in.	0.304	0.141	0.139
MIN RADIUS	0.168	0.360	0.356
MEAN RADIUS	1.052	0.895	0.828
MAX RADIUS	2.212	1.575	1.431
HORIZONTAL SPREAD	2.732	2.732	2.337
VERTICAL SPREAD	2.833	1.786	1.786
EXTREME SPREAD	3.540	2.868	2.363
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

12 Sep 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 3.415

VS= 2.099

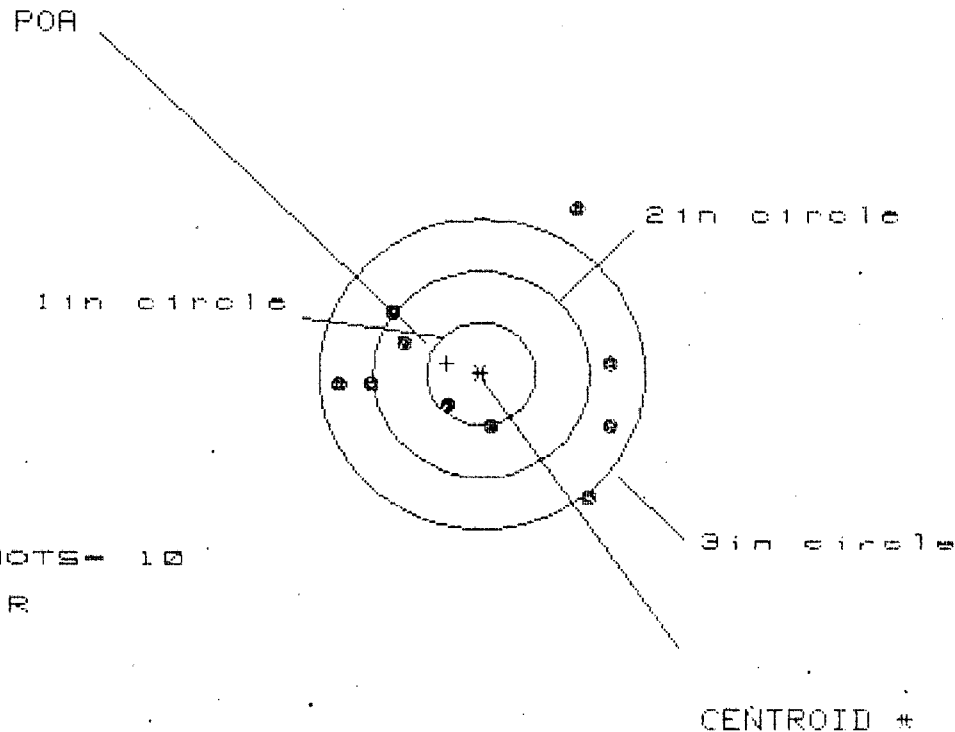
GS= 3.489

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.719	1.245	1.057
MINIMUM X	-1.696	-1.505	-1.461
MAXIMUM Y	1.093	.995	.908
MINIMUM Y	-1.006	-1.104	-1.191
CENTROID X	.401	.210	.398
CENTROID Y	-.098	-.000	.087
POA TO CENTROID in.	.413	.210	.407
MIN RADIUS	.453	.260	.342
MEAN RADIUS	1.142	1.025	.930
MAX RADIUS	1.932	1.659	1.505
HORIZONTAL SPREAD	3.415	2.750	2.518
VERTICAL SPREAD	2.099	2.099	2.099
EXTREME SPREAD	3.489	3.022	2.706
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

(2 Sep 1991)

FILE:/PATTERNING/CENTERFIRE_PATT/C6649080

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.499

VS= 2.785

GS= 2.786

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.159	1.256	1.385
MINIMUM X	-1.340	-1.243	-1.115
MAXIMUM Y	1.557	.821	.690
MINIMUM Y	-1.228	-1.055	-.474
CENTROID X	.317	.220	.092
CENTROID Y	-.104	-.277	-.146
POA TO CENTROID in.	.334	.354	.172
MIN RADIUS	.401	.219	.247
MEAN RADIUS	1.082	.963	.879
MAX RADIUS	1.783	1.475	1.438
HORIZONTAL SPREAD	2.499	2.499	2.499
VERTICAL SPREAD	2.785	1.876	1.164
EXTREME SPREAD	2.786	2.582	2.520
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

12 Sep 1991

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CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 1.876

VS= 3.015

GS= 3.032

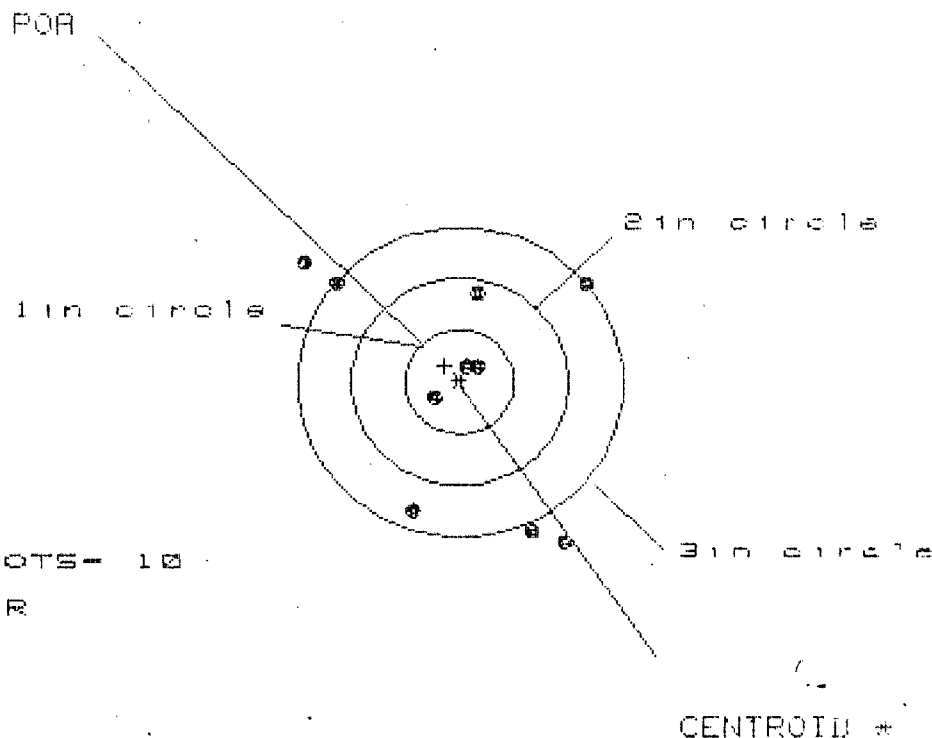
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.952	.849	.761
MINIMUM X	-.924	-.706	-.569
MAXIMUM Y	1.175	.971	.604
MINIMUM Y	-1.840	-.468	-.347
CENTROID X	.216	.319	.407
CENTROID Y	-.032	.172	.051
POA TO CENTROID in.	.219	.362	.410
MIN RADIUS	.100	.198	.119
MEAN RADIUS	.819	.671	.589
MAX RADIUS	2.059	1.200	.836
HORIZONTAL SPREAD	1.876	1.555	1.330
VERTICAL SPREAD	3.015	1.439	.951
EXTREME SPREAD	3.032	2.119	1.484
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 6

HS= 2.570

VS= 2.688

GS= 3.561

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.180	1.025	1.124
MINIMUM X	-1.390	1.289	-1.190
MAXIMUM Y	1.181	1.134	.962
MINIMUM Y	-1.507	-1.375	-1.507
CENTROID X	.139	.294	.195
CENTROID Y	-.156	-.288	-.116
POA TO CENTROID in.	.209	.411	.227
MIN RADIUS	.169	.266	.104
MEAN RADIUS	1.109	1.046	.925
MAX RADIUS	1.824	1.692	1.635
HORIZONTAL SPREAD	2.570	2.314	2.314
VERTICAL SPREAD	2.688	2.509	2.469
EXTREME SPREAD	3.561	3.230	3.039
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		