

C6649158

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



BARBER - M24 0065470

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

Remington[®]

DUPONT
REG. U.S. PAT. & TM. OFF.

MODEL 700TM M24

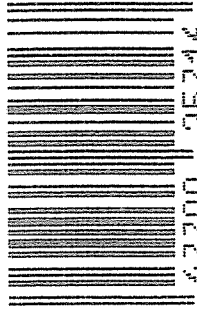
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

SERIAL NO.
C6649158

ORDER NO.
5715

20

LPC



0 47700 25716 7



5715 C6649158

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0065470 65509

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649158

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/25/91	KH
600	Proof		6/25/91	KH
607	Check Headspace		6/25/91	KH
610	Dis-assemble Gun		6/25/91	KH
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	SS
617	Drill and Tap Sight Holes		JUL 1 1991	LB
618	Polish Barrel		JUL 2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	AS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	KS
	C) Inspect Ejector Hole for Chamfer		7/23/91	KS
	D) Oil Firing Pin Ass'y		7/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-24-91	AS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7-24-91	JK
	G) Safety Off Force	4	4	4			7-24-91	JK
	H) Trigger Pull Test & Retainability						7-24-91	JK
	I) Firing Pin Indent	0.205	0.205	0.205			7-24-91	JK
	J) Assemble Stock						7/29/91	KS
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						7/29/91	KS
	M) Iron Sight Alignment						7/29/91	KS
	N) Detach Front & Rear Sights & place in numbered container						7/29/91	KS
	O) Attach Scope to Rifle						7/29/91	KS
	P) Detach & Attach Scope 20 Times						7/29/91	KS
640	Gallery Target & Test						7-30-91	AC
	A) Time						7-30-91	AC
	B) Malfunctions						7-30-91	AC
	C) Pierced Primers						7-30-91	AC
	D) Optical Clarity of Scope						7-30-91	AC
645	Inspect for Live Ammo						7-30-91	AC
655	Final Inspection						8-5-91	K
	A) Headspace							
	B) Trigger Pull	2.30	2.20	2.28	2.50	2.48	8-5-91	JK
	C) Function						8-5-91	K
660	Pack						9-18-91	VF

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6649158DATE 7-24-91TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.54	2.50	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.18	2.54	2.28	2.20	
PULL #3	2.36	2.28	2.51	2.28	
PULL #4	2.57	2.50	2.48	2.50	
PULL #5	2.59	2.20	2.36	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.69	3.54		
PULL #2	3.56	3.49		
PULL #3	3.59	3.53		
PULL #4	3.31	3.28		
PULL #5	3.57	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	4.28	4.52		4.13
PULL #2	4.33	4.59		4.43
PULL #3	4.29	4.60		4.46
PULL #4	4.22	4.55		4.46
PULL #5	4.56	4.42		4.43
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649158
31 JUL 1991

CENTROIDAL DISTANCES

0 TO	1	.294544
1 TO	2	.31217
1 TO	3	.167622
1 TO	4	.517858
1 TO	5	.139086

484 <----FOR

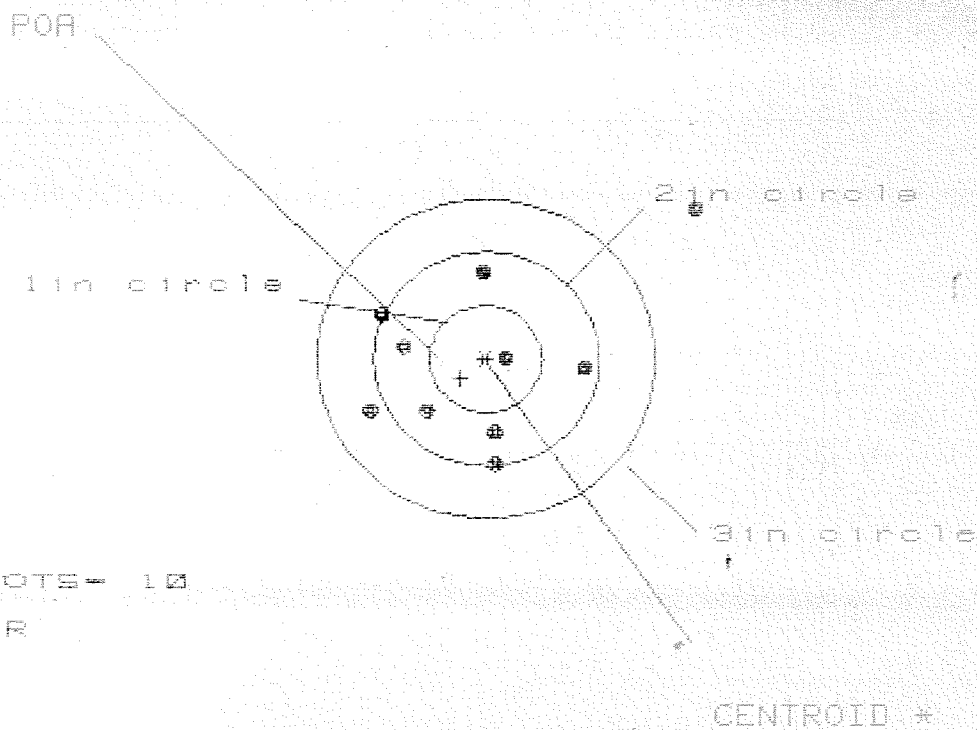
AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0176
AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .135
AVERAGE RADIUS FOR THIS RIFLE IS: .136142

AVERAGE RADIUS FOR THIS RIFLE IS: .9494

31 JUL 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649158

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.887

VS= 2.409

GS= 3.452

PATTERN #

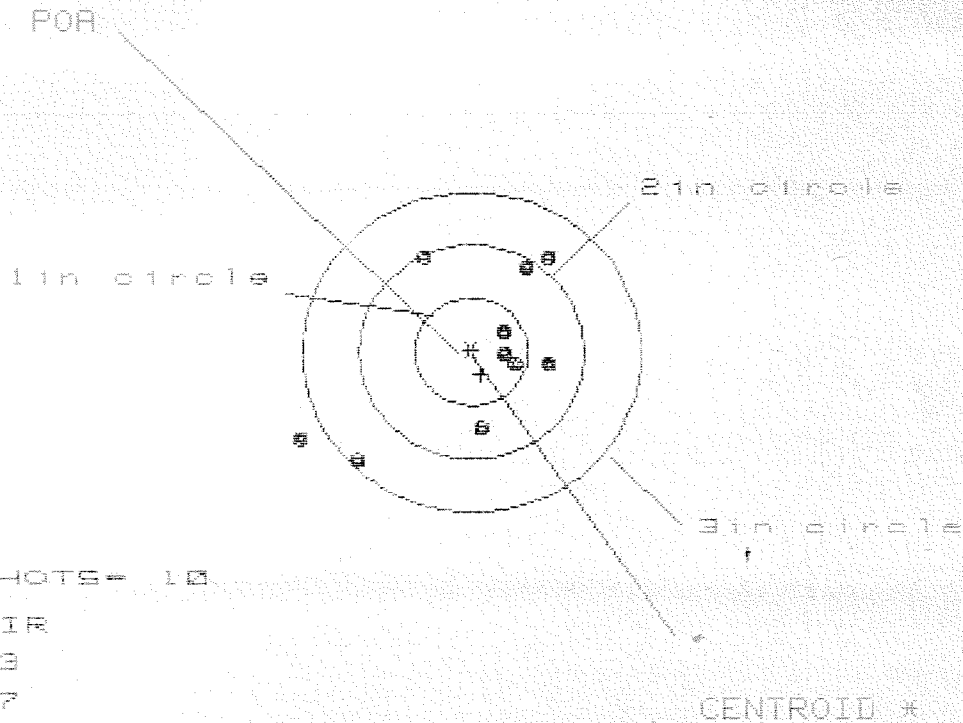
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.903	1.125	1.028
MINIMUM X	-.984	-.772	-.765
MAXIMUM Y	1.384	.938	.894
MINIMUM Y	-1.025	-.871	-.915
CENTROID X	.230	.018	.115
CENTROID Y	.184	.030	.074
FOR TO CENTROID in.	.294	.035	.137
MIN RADIUS	.174	.417	.311
MEAN RADIUS	.944	.751	.736
MAX RADIUS	2.353	1.126	1.028
HORIZONTAL SPREAD	2.887	1.897	1.793
VERTICAL SPREAD	2.409	1.809	1.809
EXTREME SPREAD	3.452	1.939	1.878
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.191

VS= 1.907

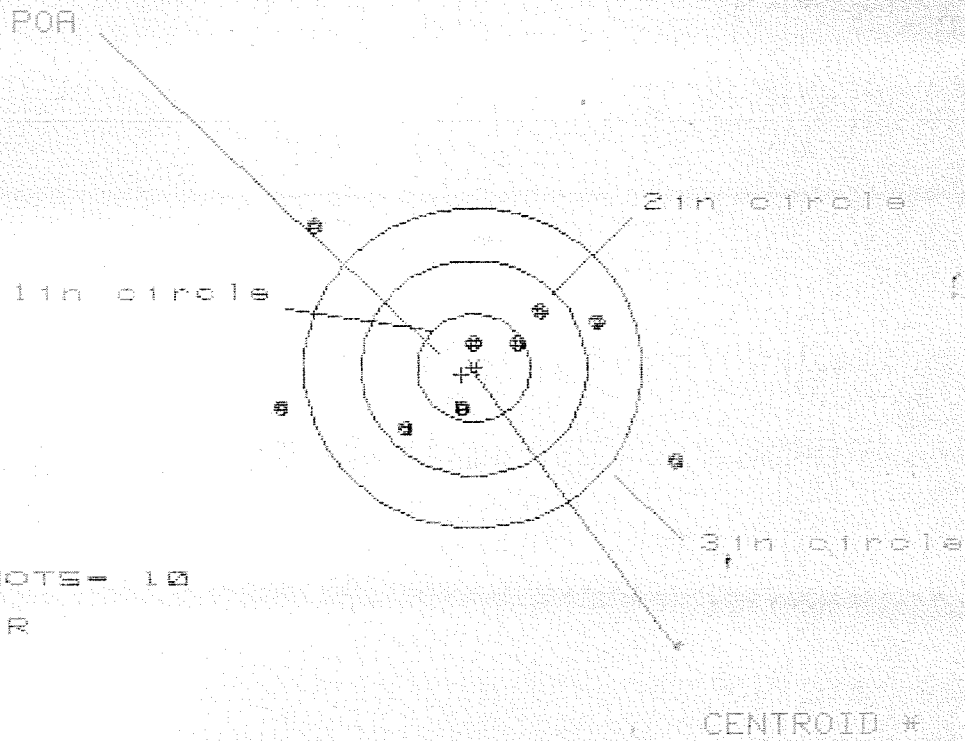
GS= 2.742

PATTERN #	2	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.705	.540	.396
MINIMUM X	-1.486	-1.153	-.738
MAXIMUM Y	.921	.830	.696
MINIMUM Y	-.986	-1.077	-.923
CENTROID X	-.081	.084	.228
CENTROID Y	.211	.302	.436
POA TO CENTROID in.	.226	.313	.493
MIN RADIUS	.256	.134	.014
MEAN RADIUS	.857	.698	.550
MAX RADIUS	1.697	1.578	.971
HORIZONTAL SPREAD	2.191	1.693	1.134
VERTICAL SPREAD	1.907	1.907	1.619
EXTREME SPREAD	2.742	2.503	1.707
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	9	

31 Jul 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 7

HS= 3.532

VS= 2.204

GS= 3.908

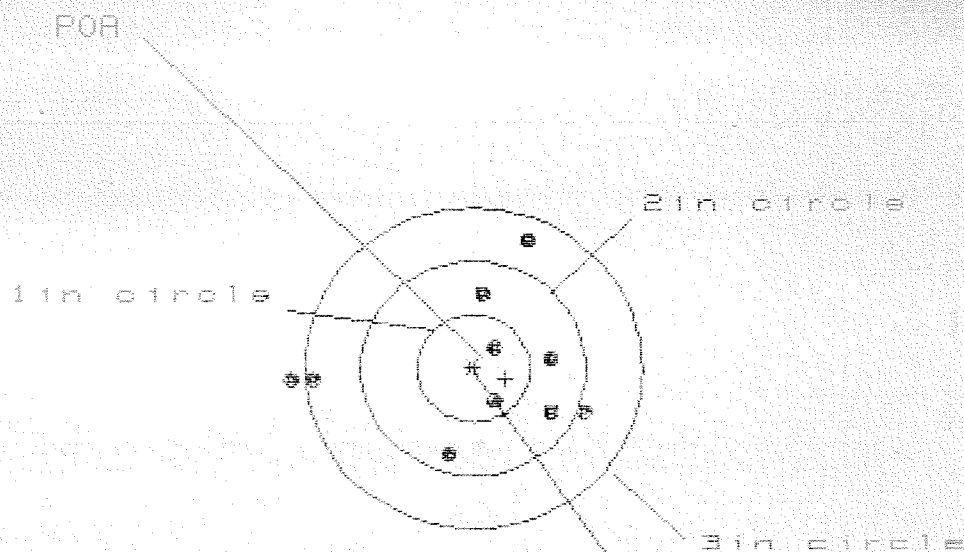
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.811	1.257	1.105
MINIMUM X	-1.721	-1.519	-1.671
MAXIMUM Y	1.302	1.201	.569
MINIMUM Y	-.902	-.662	-.511
CENTROID X	.109	-.093	.059
CENTROID Y	.068	.169	.018
POA TO CENTROID in.	.128	.192	.062
MIN RADIUS	.245	.272	.304
MEAN RADIUS	.998	.910	.756
MAX RADIUS	2.024	1.708	1.710
HORIZONTAL SPREAD	3.532	2.776	2.776
VERTICAL SPREAD	2.204	1.863	1.080
EXTREME SPREAD	3.908	2.900	2.900
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

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FILE:/PATTERNING/CENTERFIRE_PATT/06649158

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 9

HS = 2.678

VS = 1.946

GS = 2.687

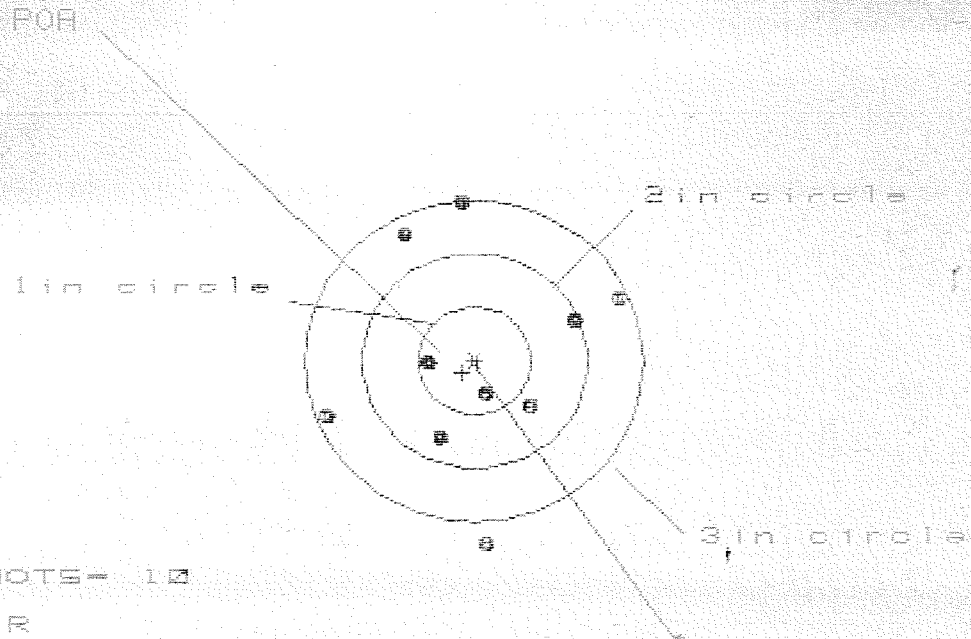
CENTROID *

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.028
MINIMUM X	-1.650
MAXIMUM Y	1.171
MINIMUM Y	-1.775
CENTROID X	-.281
CENTROID Y	.100
POA TO CENTROID in.	.298
MIN RADIUS	.275
MEAN RADIUS	.903
MAX RADIUS	1.656
HORIZONTAL SPREAD	2.678
VERTICAL SPREAD	1.946
EXTREME SPREAD	2.687
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	9

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.599

VS = 3.251

GS = 3.261

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.280	1.290	1.272
MINIMUM X	-1.319	-1.309	-1.327
MAXIMUM Y	1.521	1.328	1.113
MINIMUM Y	-1.730	-1.931	-1.764
CENTROID X	.111	.101	.119
CENTROID Y	.112	.305	.138
POA TO CENTROID in.	.158	.321	.183
MIN RADIUS	.299	.400	.323
MEAN RADIUS	1.045	.984	.903
MAX RADIUS	1.733	1.507	1.449
HORIZONTAL SPREAD	2.599	2.599	2.599
VERTICAL SPREAD	3.251	2.259	1.878
EXTREME SPREAD	3.261	2.848	2.848
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		