

BARBER - M24 0030806

Smead®

FORM

UPC



0 47700 25716 7

C6649028

*INCLUDES 1 IN CHAMBER

CAPACITY*

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0030806 M2400030845

MODEL 700 TM M24

BARBER - M24 0030808

Remington



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

MODEL 700 TM M24

SERIAL NO.
C6649028

ORDER NO.
5716

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

20



5716 C6649028

ORDER 5716

MODEL 700 TM M24

UPC

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649028

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	9 1	RW
600	Proof	9 26	9 1	RW
607	Check Headspace	9 26	9 1	RW
610	Dis-assemble Gun	9 26	9 1	RW
612	Magnaflux Barrel Action		OCT 3 1991	Kcd
	Magnaflux Bolt		OCT 3 1991	Kcd
615	Rollmark Caliber		OCT 3 1991	ES
617	Drill and Tap Sight Holes		OCT 4 1991	LB
618	Polish Barrel		OCT 4 1991	WB
620	Apply Coatings (Barrel Action)		10-18-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/18/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/18/91	RW
	C) Inspect Ejector Hole for Chamfer		10/18/91	RW
	D) Oil Firing Pin Ass'y		10/18/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-26-91	SM

op. BARBER - M24 0030810		READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11/20/91	RU
	G) Safety Off Force	3	3	3			11/20/91	RU
	H) Trigger Pull Test & Retainability						11-20-91	RU
	I) Firing Pin Indent	.021	.021	.021			11/20/91	RU
	J) Assemble Stock						12/5/91	RU
	K) Assemble Swivel Studs						12-7-91	AC
	L) Attach Front and Rear Sight Assemblies						12/5/91	RU
	M) Iron Sight Alignment						12/5/91	RU
	N) Detach Front & Rear Sights & place in numbered container						12/5/91	RU
	O) Attach Scope to Rifle						12/5/91	RU
	P) Detach & Attach Scope 20 Times						12/5/91	RU
640	Gallery Target & Test						12-5-91	D/H
	A) Time						12-5-91	D/H
	B) Malfunctions						12-5-91	D/H
	C) Pierced Primers						12-5-91	D/H
	D) Optical Clarity of Scope						12-5-91	D/H
645	Inspect for Live Ammo						12-5-91	D/H
655	Final Inspection							
	A) Headspace						12-7-91	AC
	B) Trigger Pull	263	263	231	235	236	12-7-91	D/H
	C) Function						12-7-91	AC
660	Pack						12-20-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C-6649028

DATE 11-20-81

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.53	2.37	2.63	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.59	2.66	2.44	2.63	
PULL #3	2.53	2.51	2.51	2.31	
PULL #4	2.46	2.53	2.43	2.35	
PULL #5	2.49	2.70	2.47	2.36	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.44		
PULL #2	3.27	3.41		
PULL #3	3.38	3.41		
PULL #4	3.44	3.33		
PULL #5	3.39	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	4.24	4.52		4.18
PULL #2	4.30	4.45		4.31
PULL #3	4.35	4.54		4.34
PULL #4	4.36	4.33		4.24
PULL #5	4.21	4.19		4.19
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649028
5 Dec 1991

CENTROIDAL DISTANCES

0 TO	1	.270385
1 TO	2	.159878
1 TO	3	.219611
1 TO	4	.68104
1 TO	5	.539727

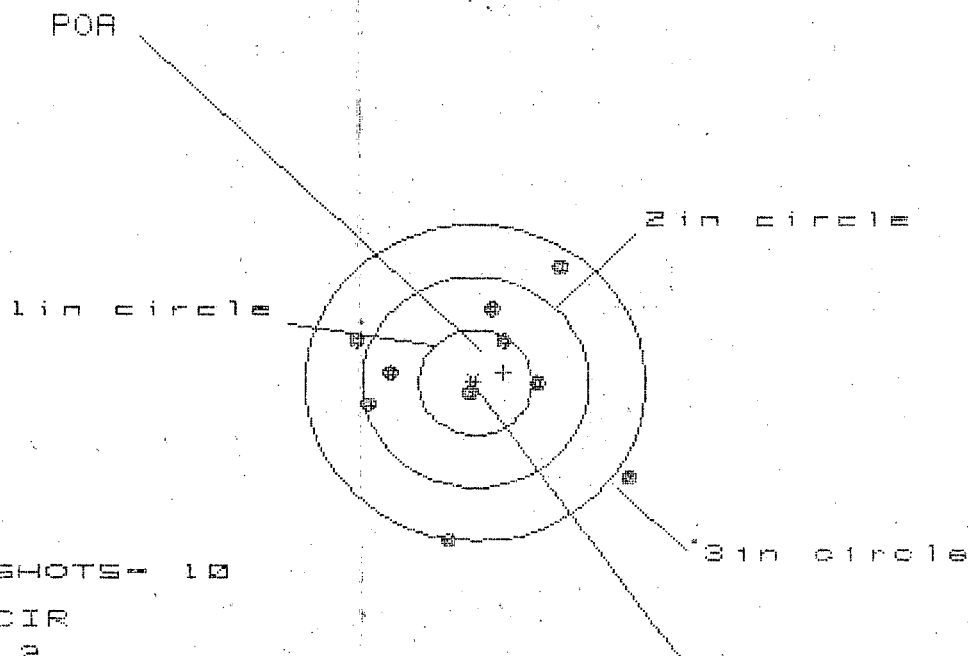
12⁵ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.069
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .14
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .15603
THE AMR FOR THIS RIFLE IS: .8892

5 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649028

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.443

VS= 2.677

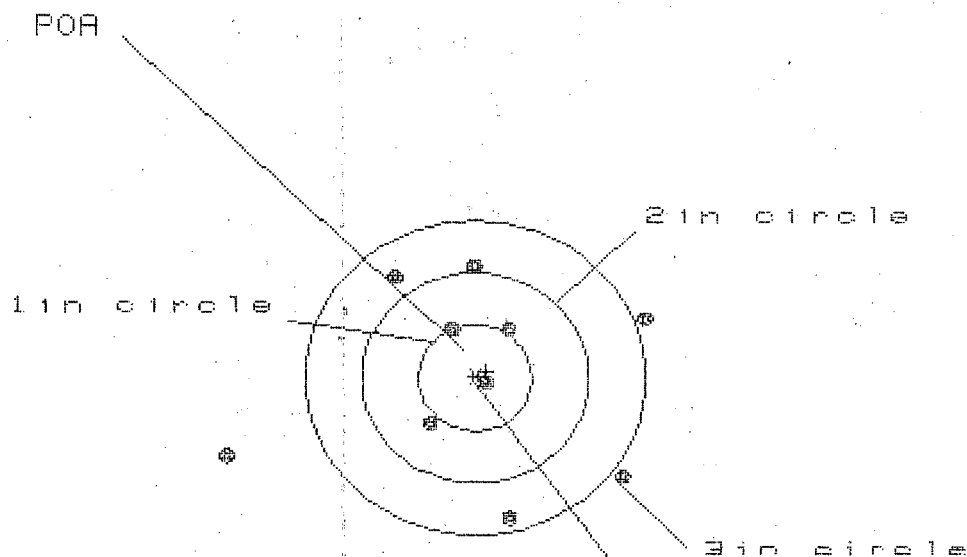
GS= 2.886

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.396	.942	.925
MINIMUM X	-1.047	-.892	-.909
MAXIMUM Y	1.139	1.036	.831
MINIMUM Y	-1.538	-1.641	-.548
CENTROID X	-.252	-.407	-.390
CENTROID Y	-.098	.005	.210
POA TO CENTROID in.	.270	.407	.443
MIN RADIUS	.132	.252	.384
MEAN RADIUS	.945	.853	.742
MAX RADIUS	1.676	1.646	1.244
HORIZONTAL SPREAD	2.443	1.834	1.834
VERTICAL SPREAD	2.677	2.677	1.379
EXTREME SPREAD	2.886	2.886	2.228
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 8		

5 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649028

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 3.774

VS= 2.391

GS= 3.995

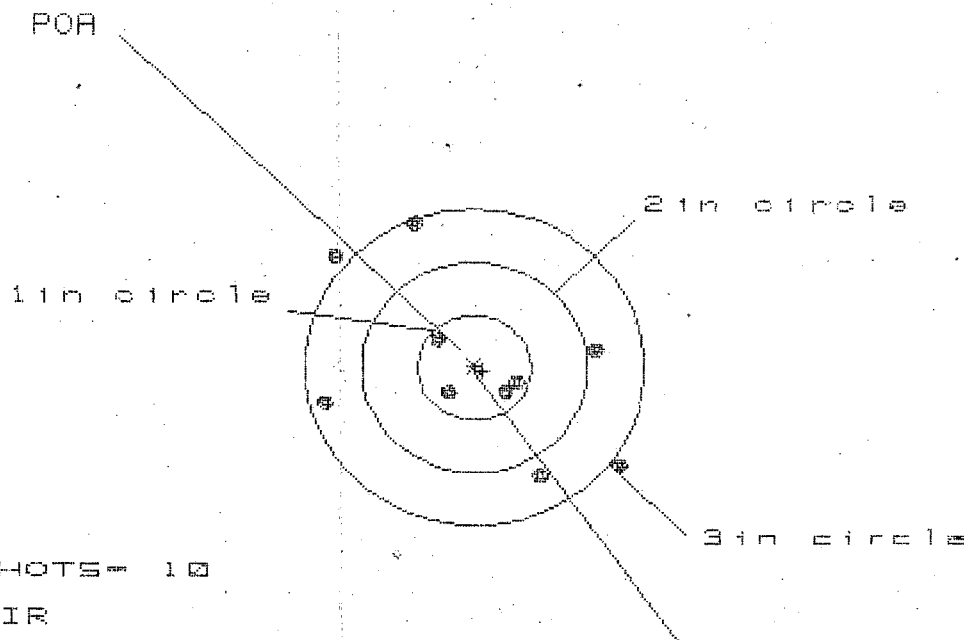
CENTROID *

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.544	1.297	1.212
MINIMUM X	-2.230	-.957	-.795
MAXIMUM Y	1.024	.946	1.012
MINIMUM Y	-1.367	-1.445	-1.379
CENTROID X	-.096	.151	-.011
CENTROID Y	-.063	.015	-.051
POA TO CENTROID in.	.115	.152	.052
MIN RADIUS	.094	.212	.064
MEAN RADIUS	1.093	.953	.865
MAX RADIUS	2.339	1.453	1.533
HORIZONTAL SPREAD	3.774	2.254	2.007
VERTICAL SPREAD	2.391	2.391	2.391
EXTREME SPREAD	3.995	2.749	2.749
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 4		
NUMBER IN THREE INCH CIRCLE	= 7		

5 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B49028

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 4

2in = 4

3in = 8

HS = 2.673

VS = 2.408

GS = 3.193

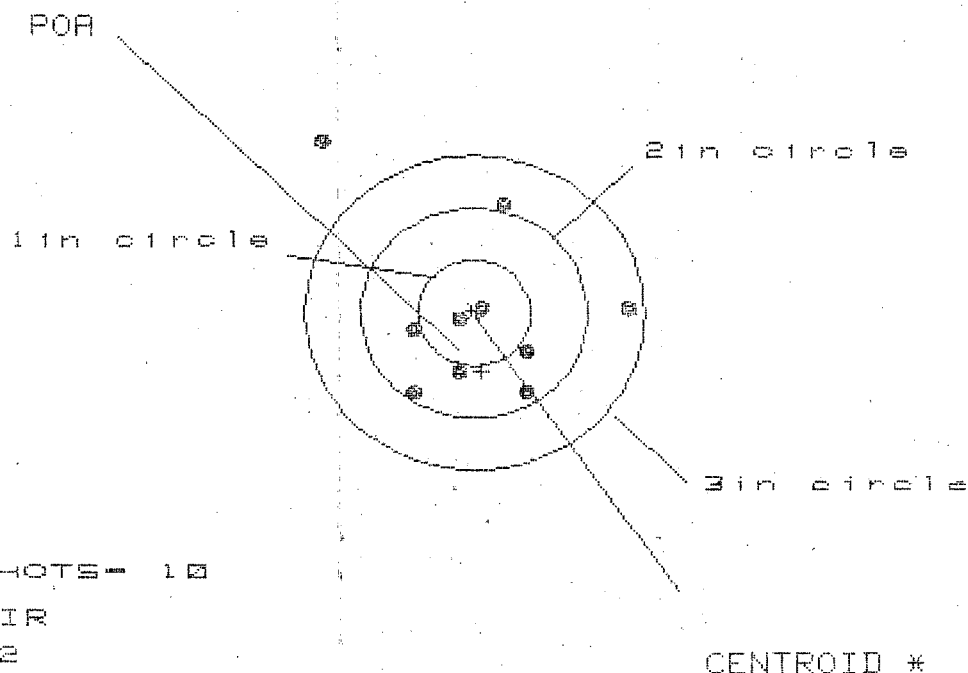
CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.300	1.167	1.069
MINIMUM X	-1.373	-1.506	-1.360
MAXIMUM Y	1.330	1.453	1.358
MINIMUM Y	-1.078	-0.955	-1.050
CENTROID X	-0.075	.058	-0.088
CENTROID Y	.032	-0.091	.004
POA TO CENTROID in.	.081	.108	.088
MIN RADIUS	.339	.159	.315
MEAN RADIUS	.986	.883	.830
MAX RADIUS	1.630	1.578	1.437
HORIZONTAL SPREAD	2.673	2.673	2.429
VERTICAL SPREAD	2.408	2.408	2.408
EXTREME SPREAD	3.193	2.842	2.649
NUMBER IN ONE INCH CIRCLE	=	4	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	8	

5 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B49028

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 2

2in = 7

3in = 9

HS = 2.696

VS = 2.413

GS = 3.141

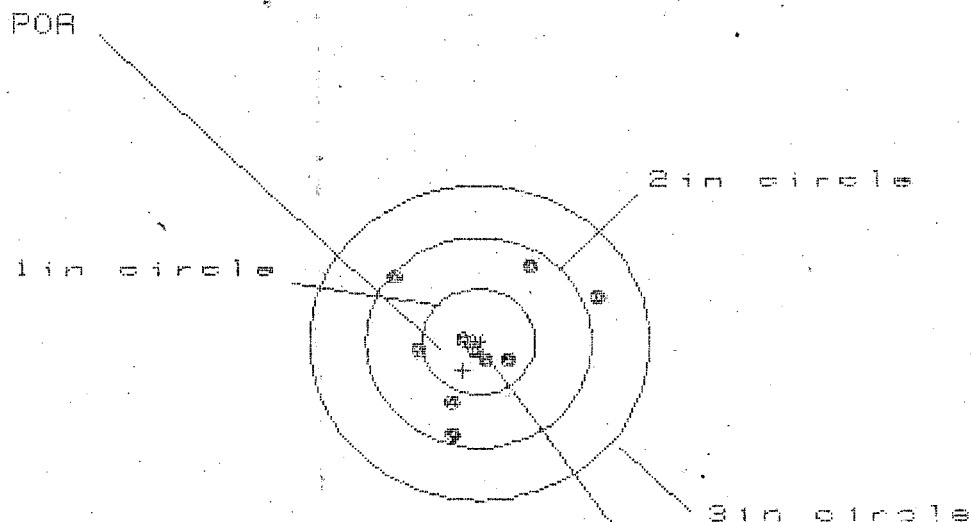
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.388	1.243	.475
MINIMUM X	-1.388	-.691	-.536
MAXIMUM Y	1.621	1.180	1.204
MINIMUM Y	-.792	-.612	-.588
CENTROID X	-.062	.083	-.072
CENTROID Y	.556	.376	.352
POA TO CENTROID in.	.559	.385	.359
MIN RADIUS	.104	.282	.191
MEAN RADIUS	.837	.685	.586
MAX RADIUS	2.083	1.257	1.246
HORIZONTAL SPREAD	2.696	1.934	1.011
VERTICAL SPREAD	2.413	1.792	1.792
EXTREME SPREAD	3.141	2.094	1.986
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

5 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649028

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 4

2in = 9

3in = 10

HS = 1.794

VS = 1.608

GS = 1.835

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.075	.550	.475
MINIMUM X	-.719	-.599	-.498
MAXIMUM Y	.757	.810	.892
MINIMUM Y	-.851	-.798	-.716
CENTROID X	.140	.020	.095
CENTROID Y	.273	.220	.138
POR TO CENTROID in.	.306	.221	.168
MIN RADIUS	.131	.078	.033
MEAN RADIUS	.585	.499	.433
MAX RADIUS	1.176	.979	1.010
HORIZONTAL SPREAD	1.794	1.149	.973
VERTICAL SPREAD	1.608	1.608	1.608
EXTREME SPREAD	1.835	1.724	1.724
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		