

BARBER - M24 0030794

Smead
No. 2-152-SL

FORM

BARREL LENGTH

CAPACITY*

*INCLUDES 1 IN CHAMBER

C6649027

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0030794 M2400030833

5716

ORDER NO.

MODEL 700 TM M24

Remington



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

MODEL 700™ M24

SERIAL NO.

C6649027

ORDER NO.

5716

20

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



5716 C6649027

ORDER 5716

MODEL 700™ M24

UPC

ORDER 5716

MODEL 700™ M24

UPC



0 47700 25716 7



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649027

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26 91		RW
600	Proof	9 26 91		RW
607	Check Headspace	9 25 91		RW
610	Dis-assemble Gun	9 23 91		RW
612	Magnaflux Barrel Action	OCT	3 1991	KCK
	Magnaflux Bolt	OCT	3 1991	KCK
615	Rollmark Caliber	OCT	3 1991	GS
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	JA
	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	JL

op. BARBER - M24 0030798		READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11-26-91	JH
	G) Safety Off Force	3	3	3			11-26-91	JH
	H) Trigger Pull Test & Retainability						11-26-91	JH
	I) Firing Pin Indent	1020	1020	1020			11-26-91	JH
	J) Assemble Stock						12/2/91	RW
	K) Assemble Swivel Studs						12-9-91	AE
	L) Attach Front and Rear Sight Assemblies						12/2/91	RW
	M) Iron Sight Alignment						12/2/91	RW
	N) Detach Front & Rear Sights & place in numbered container						12/2/91	RW
	O) Attach Scope to Rifle						12/2/91	RW
	P) Detach & Attach Scope 20 Times						12/2/91	RW
640	Gallery Target & Test						12-2-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						12-2-91	NF
655	Final Inspection							
	A) Headspace						12-9-91	AC
	B) Trigger Pull	208	210	214	206	223	12-4-91	D/H
	C) Function						12-9-91	AC
660	Pack						12-19-91	NF

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

SERIAL NO C6649027DATE 11-26-91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.67	2.56	2.44	2.08	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.64	2.42	2.54	2.10	
PULL #3	2.59	2.52	2.58	2.14	
PULL #4	2.44	2.49	2.43	2.06	
PULL #5	2.59	2.48	2.49	2.23	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.62	3.59		
PULL #2	3.63	3.59		
PULL #3	3.54	3.61		
PULL #4	3.55	3.62		
PULL #5	3.56	3.62		
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	4.34		4.19
PULL #2	4.45	4.42		4.31
PULL #3	4.39	4.30		4.38
PULL #4	4.39	4.37		4.38
PULL #5	4.37	4.33		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649027
2 Dec 1991

CENTROIDAL DISTANCES

0 TO 1	.0707107
1 TO 2	.17184
1 TO 3	.0595399
1 TO 4	.0936056
1 TO 5	.318201

<----FOR

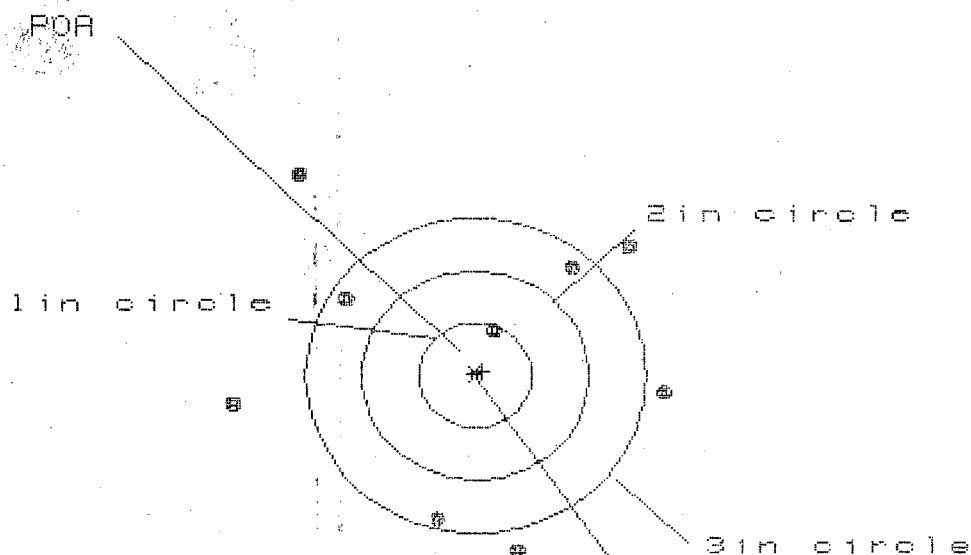
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0444
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0052
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0447035
THE AMR FOR THIS RIFLE IS: 1.107

2 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8849027

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 1

2in = 1

3in = 4

HS= 3.805

VS= 3.857

GS= 4.477

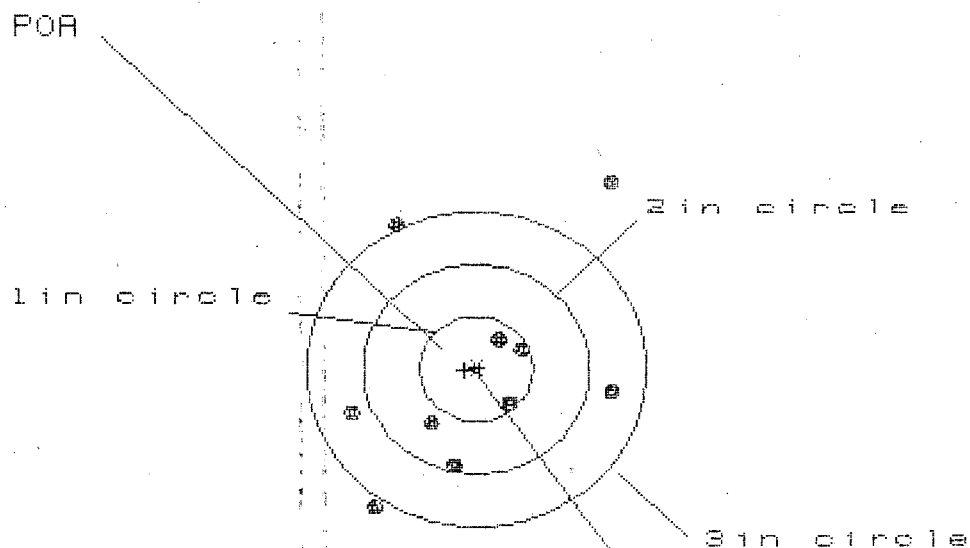
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.673	1.497	1.209
MINIMUM X	-2.132	-2.308	-1.586
MAXIMUM Y	1.957	1.489	1.480
MINIMUM Y	-1.900	-1.683	-1.692
CENTROID X	-0.062	.114	.402
CENTROID Y	-.034	-.251	-.242
POA TO CENTROID in.	.070	.276	.469
MIN RADIUS	.484	.684	.751
MEAN RADIUS	1.645	1.535	1.413
MAX RADIUS	2.516	2.309	1.824
HORIZONTAL SPREAD	3.805	3.805	2.795
VERTICAL SPREAD	3.857	3.172	3.172
EXTREME SPREAD	4.477	3.831	3.243
NUMBER IN ONE INCH CIRCLE =	1	1	1
NUMBER IN TWO INCH CIRCLE =	1	1	1
NUMBER IN THREE INCH CIRCLE =	4	4	4

2 Dec 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C6B45027

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 7

HS = 2.254

VS = 3.109

GS = 3.753

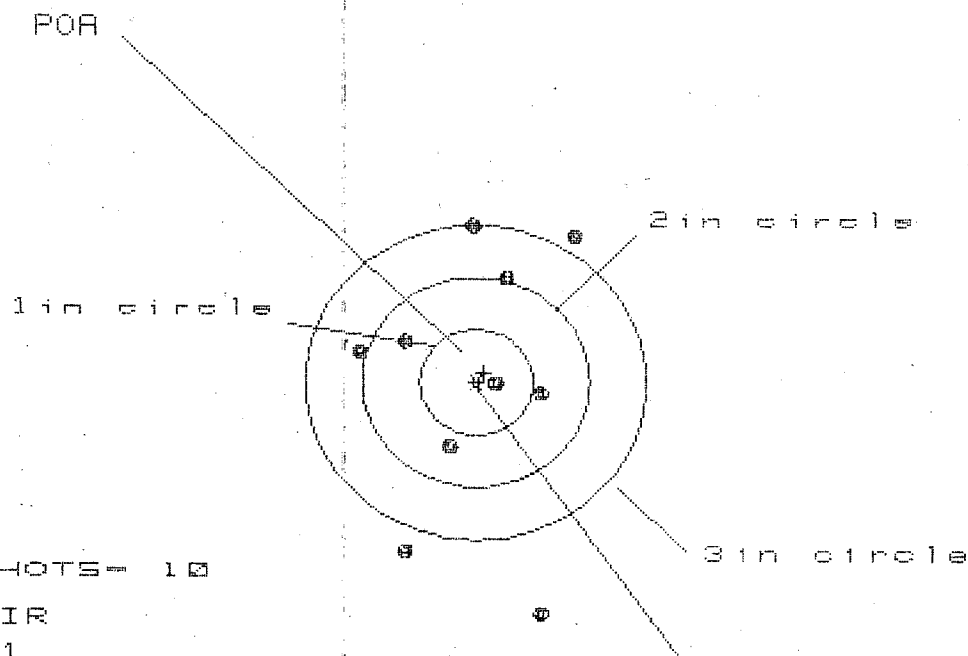
CENTROID *

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.196	1.326	1.226
MINIMUM X	-1.058	-.928	-1.028
MAXIMUM Y	1.756	1.592	1.447
MINIMUM Y	-1.353	-1.157	-.826
CENTROID X	.103	-.027	.073
CENTROID Y	.014	-.182	-.037
POA TO CENTROID in.	.104	.184	.082
MIN RADIUS	.394	.425	.418
MEAN RADIUS	1.050	.915	.843
MAX RADIUS	2.111	1.692	1.596
HORIZONTAL SPREAD	2.254	2.254	2.254
VERTICAL SPREAD	3.109	2.749	2.273
EXTREME SPREAD	3.753	2.758	2.503
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

2 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649027

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 1.926

VS= 3.700

GS= 3.747

CENTROID #

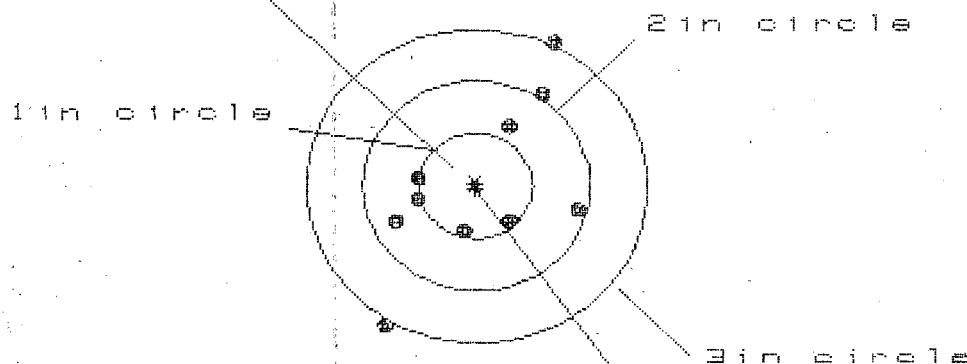
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.897	.956	.885
MINIMUM X	-1.028	-.970	-1.041
MAXIMUM Y	1.482	1.236	1.005
MINIMUM Y	-2.218	-1.850	-1.075
CENTROID X	-.070	-.129	-.058
CENTROID Y	-.093	.153	.384
POA TO CENTROID in.	.117	.200	.389
MIN RADIUS	.194	.323	.473
MEAN RADIUS	1.134	.989	.863
MAX RADIUS	2.279	1.936	1.238
HORIZONTAL SPREAD	1.926	1.926	1.926
VERTICAL SPREAD	3.700	3.086	2.080
EXTREME SPREAD	3.747	3.319	2.244
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

2 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649027

CENTERFIRE PATTERNS # 4

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 1.736

VS= 2.746

GS= 3.129

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.880	.785	.854
MINIMUM X	-.856	-.791	-.723
MAXIMUM Y	1.374	1.221	.899
MINIMUM Y	-1.372	-.581	-.428
CENTROID X	.009	.104	.036
CENTROID Y	.027	.180	.027
POA TO CENTROID in.	.029	.208	.045
MIN RADIUS	.436	.461	.440
MEAN RADIUS	.847	.770	.668
MAX RADIUS	1.617	1.338	1.041
HORIZONTAL SPREAD	1.736	1.576	1.576
VERTICAL SPREAD	2.746	1.802	1.327
EXTREME SPREAD	3.129	2.203	1.783
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 8		

2 Dec 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C8649027

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 2.005

VS = 2.324

GS = 2.383

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.699	.554	.547
MINIMUM X	-1.306	-.967	-.974
MAXIMUM Y	1.057	1.092	.938
MINIMUM Y	-1.267	-1.232	-1.110
CENTROID X	.242	.387	.394
CENTROID Y	.060	.025	.179
POA TO CENTROID in.	.249	.388	.433
MIN RADIUS	.398	.286	.223
MEAN RADIUS	.860	.764	.682
MAX RADIUS	1.345	1.239	1.178
HORIZONTAL SPREAD	2.005	1.521	1.521
VERTICAL SPREAD	2.324	2.324	2.048
EXTREME SPREAD	2.383	2.383	2.057
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		