

BARBER - M24 0067322

FORM

UPC



0 47700 25716 7

C6649285

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0067322 M2400067361

MODEL 700 TM M24

ORDER NO. 5716

BARREL LENGTH

CAPACITY*

*INCLUDES 1 IN CHAMBER

BARBER - M24 0067324

Remington



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

MODEL 700 TM M24

SERIAL NO.

C6649285

ORDER NO.

5716

20

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



5716 C6649285

ORDER 5716

MODEL 700 TM M24

UPC



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ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0067324 M2400067363

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649285

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 1	91	Rw
600	Proof	10 1	91	Rw
607	Check Headspace	10 1	91	Rw
610	Dis-assemble Gun	10	91	Rw
612	Magnaflux Barrel Action		OCT 10 1991	KR
	Magnaflux Bolt		OCT 10 1991	KR
615	Rollmark Caliber		OCT 10 1991	LS
617	Drill and Tap Sight Holes		OCT 10 1991	LB
618	Polish Barrel		10/15/91	WB
620	Apply Coatings (Barrel Action)		11-2-91	AS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/3/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/3/91	KA
	C) Inspect Ejector Hole for Chamfer		12/3/91	KA
	D) Oil Firing Pin Ass'y		12/3/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		12-7-91	KA

op. #	OP NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			12-9-91	JK
	G) Safety Off Force	3	3	3			12-9-91	JK
	H) Trigger Pull Test & Retainability						12-7-91	JK
	I) Firing Pin Indent	.0205	.021	.021			12-9-91	JK
	J) Assemble Stock						12/10/91	JK
	K) Assemble Swivel Studs						12/12-91	JK
	L) Attach Front and Rear Sight Assemblies						12/10/91	JK
	M) Iron Sight Alignment						12/10/91	JK
	N) Detach Front & Rear Sights & place in numbered container						12/10/91	JK
	O) Attach Scope to Rifle						12/10/91	JK
	P) Detach & Attach Scope 20 Times						12/10/91	JK
640	Gallery Target & Test						12/11/91	JK
	A) Time							JK
	B) Malfunctions							JK
	C) Pierced Primers							JK
	D) Optical Clarity of Scope							JK
645	Inspect for Live Ammo						12/11/91	JK
655	Final Inspection							
	A) Headspace						12-12-91	JK
	B) Trigger Pull	2.70	2.67	2.66	2.69	2.68	12-12-91	JK
	C) Function						12-12-91	JK
660	Pack						12-12-91	JK

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6649285

DATE _____

TESTER _____

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.62	2.55	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.58	2.44	2.67	
PULL #3	2.58	2.58	2.59	2.66	
PULL #4	2.59	2.55	2.60	2.69	
PULL #5	2.64	2.60	2.54	2.68	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.48		
PULL #2	3.33	3.51		
PULL #3	3.36	3.31		
PULL #4	3.25	3.36		
PULL #5	3.33	3.39		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.55	4.59		4.59
PULL #2	4.56	4.64		4.62
PULL #3	4.60	4.57		4.59
PULL #4	4.55	4.62		4.60
PULL #5	4.62	4.60		4.55
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649285
11 Dec 1991

CENTROIDAL DISTANCES

0 TO 1	.112894
1 TO 2	.269046
1 TO 3	.376096
1 TO 4	.251098
1 TO 5	.387439

5
34 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0194
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0534
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0568148

THE AMR FOR THIS RIFLE IS: .8554

11 Dec 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6646285

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 5

2in = 6

3in = 9

HS= 3.115

VS= 2.668

GS= 3.248

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.329

.560

.512

MINIMUM X

-.786

-.638

-.685

MAXIMUM Y

1.183

1.018

.802

MINIMUM Y

-1.485

-1.260

-1.133

CENTROID X

.064

-.084

-.036

CENTROID Y

.093

.258

.131

POA TO CENTROID in.

.113

.271

.136

MIN RADIUS

.101

.057

.170

MEAN RADIUS

.800

.639

.587

MAX RADIUS

1.993

1.379

1.244

HORIZONTAL SPREAD

2.115

1.198

1.198

VERTICAL SPREAD

2.668

2.278

1.935

EXTREME SPREAD

3.248

2.463

2.276

NUMBER IN ONE INCH CIRCLE =

5

NUMBER IN TWO INCH CIRCLE =

6

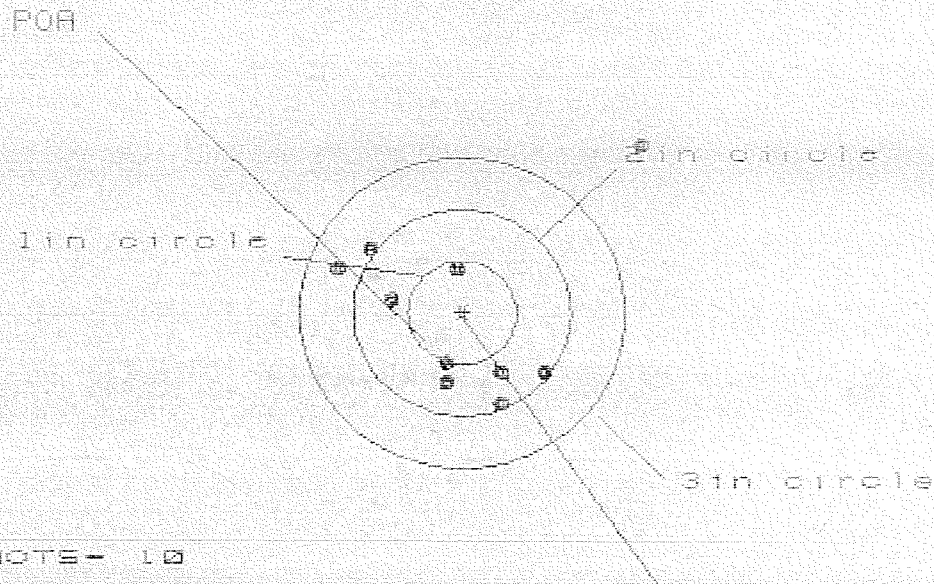
NUMBER IN THREE INCH CIRCLE =

9

[1 Dec 1991]

FILE: PATTERNING/CENTERFIRE_PATT/C8649285

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.816

VS= 2.534

GS= 3.056

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.640	.933	.809
MINIMUM X	:	-1.176	-.994	-.792
MAXIMUM Y	:	1.621	.835	.912
MINIMUM Y	:	-.912	-.732	-.655
CENTROID X	:	.149	-.033	.091
CENTROID Y	:	.471	.291	.214
POA TO CENTROID in.	:	.494	.293	.233
MIN RADIUS	:	.388	.272	.239
MEAN RADIUS	:	.946	.746	.671
MAX RADIUS	:	2.306	1.169	1.208
HORIZONTAL SPREAD	:	2.816	1.927	1.601
VERTICAL SPREAD	:	2.534	1.567	1.567
EXTREME SPREAD	:	3.056	2.186	2.032
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

[1] Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649285

CENTERFIRE PATTERNS # 4

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 10

HS = 1.475

VS = 2.521

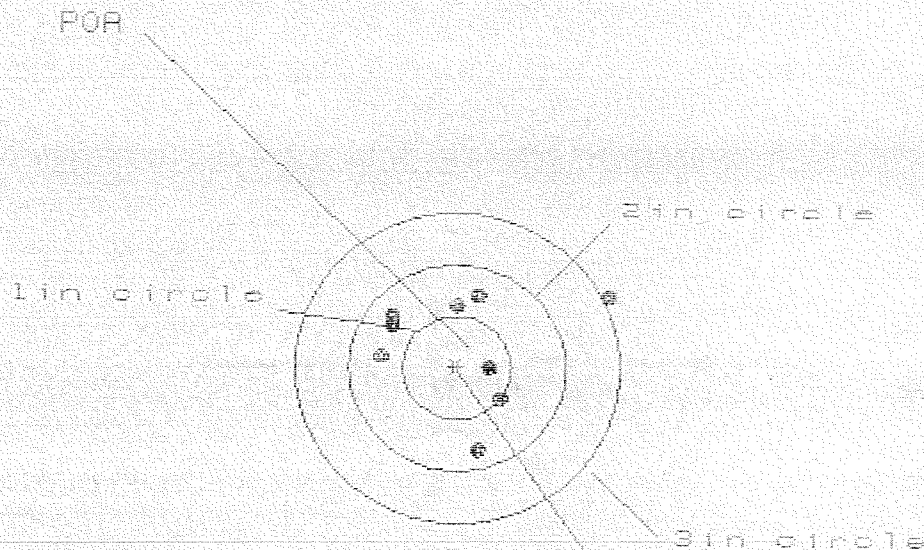
GS = 2.618

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.928	.948	.985
MINIMUM X	:	-.547	-.527	-.598
MAXIMUM Y	:	1.363	1.245	1.119
MINIMUM Y	:	-1.158	-1.007	-1.005
CENTROID X	:	-.081	-.101	-.038
CENTROID Y	:	-.112	-.263	-.137
POR TO CENTROID in.	:	.138	.292	.142
MIN RADIUS	:	.271	.316	.318
MEAN RADIUS	:	.918	.864	.817
MAX RADIUS	:	1.374	1.252	1.159
HORIZONTAL SPREAD	:	1.475	1.475	1.475
VERTICAL SPREAD	:	2.521	2.252	2.124
EXTREME SPREAD	:	2.618	2.284	2.189
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

11 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649285

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 8

HS= 2.104

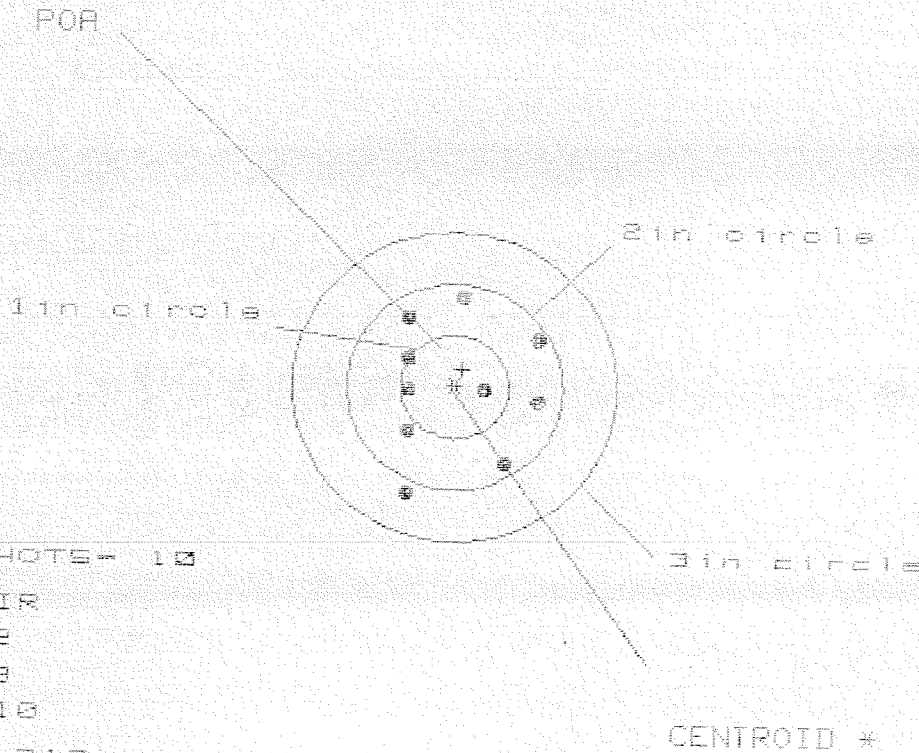
VS= 2.859

GS= 3.392

CENTROID *

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.399	1.336	.464
MINIMUM X	-.705	-.768	-.601
MAXIMUM Y	.758	.525	.578
MINIMUM Y	-2.101	-1.002	-.949
CENTROID X	-.298	-.235	-.401
CENTROID Y	-.009	.224	.171
POA TO CENTROID In.	.298	.324	.436
MIN RADIUS	.289	.316	.427
MEAN RADIUS	.893	.718	.620
MAX RADIUS	2.177	1.402	1.004
HORIZONTAL SPREAD	2.104	2.104	1.066
VERTICAL SPREAD	2.859	1.527	1.527
EXTREME SPREAD	3.392	2.169	1.537
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	8	
NUMBER IN THREE INCH CIRCLE	=	8	

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

Handwritten: Handwritten

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Figure 1 is a schematic diagram of the experimental design. It shows a flow from 'Experiment 1' to 'Experiment 2'. Experiment 1 involves 'Pretest' and 'Main' phases. Experiment 2 involves 'Pretest' and 'Main' phases. The 'Main' phase of Experiment 2 is divided into 'Condition 1' and 'Condition 2'. The 'Main' phase of Experiment 1 is divided into 'Condition 1' and 'Condition 2'. The 'Main' phase of Experiment 2 is divided into 'Condition 1' and 'Condition 2'. The 'Main' phase of Experiment 1 is divided into 'Condition 1' and 'Condition 2'.


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PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.735	.683	.689
MINIMUM X	-.478	-.530	-.524
MAXIMUM Y	.901	.790	.684
MINIMUM Y	-.997	-.851	-.752
CENTROID X	-.069	-.017	-.023
CENTROID Y	-.176	-.065	-.164
POA TO CENTROID in.	.189	.067	.165
MIN RADIUS	.254	.242	.210
MEAN RADIUS	.720	.671	.648
MAX RADIUS	1.101	.945	.860
HORIZONTAL SPREAD	1.213	1.213	1.213
VERTICAL SPREAD	1.898	1.641	1.436
EXTREME SPREAD	1.981	1.711	1.711
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	9	
NUMBER IN THREE INCH CIRCLE	=	10	