

C6523457

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington

BARBER - M24 0028445





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

MODEL 700™ M24	SERIAL NO. C6523457
01	ORDER NO. 5716

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



5716 C6523457

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 002844528484

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523457
13 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.131883
1 TO	2	.40602
1 TO	3	.394321
1 TO	4	.318798
1 TO	5	.268477

$\bar{x}_4$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2042
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1954
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .282628
THE AMR FOR THIS RIFLE IS: .9436

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523457

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.332

VS= 2.512

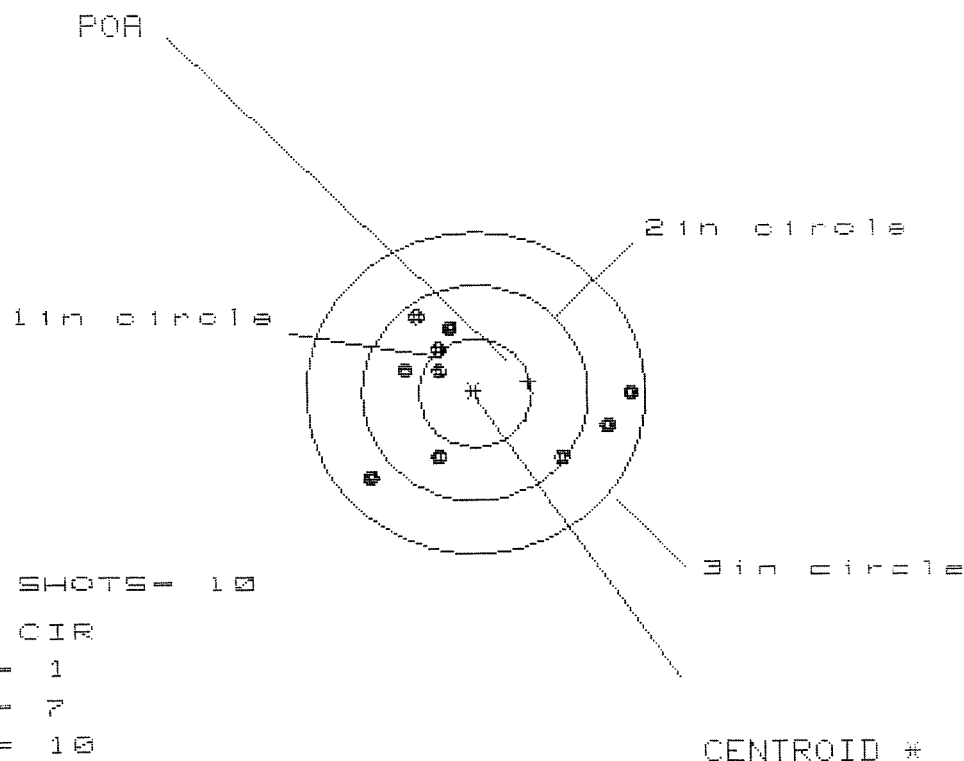
GS= 2.548

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.801	.742	.721
MINIMUM X	:	-.531	-.589	-.610
MAXIMUM Y	:	1.220	.816	.671
MINIMUM Y	:	-1.292	-1.156	-.602
CENTROID X	:	-.068	-.009	.012
CENTROID Y	:	-.113	-.249	-.104
POA TO CENTROID in.	:	.132	.249	.105
MIN RADIUS	:	.288	.171	.239
MEAN RADIUS	:	.735	.656	.589
MAX RADIUS	:	1.331	1.168	.811
HORIZONTAL SPREAD	:	1.332	1.331	1.331
VERTICAL SPREAD	:	2.512	1.972	1.273
EXTREME SPREAD	:	2.548	1.975	1.545
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523457

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.279

VS= 1.503

GS= 2.419

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.369	1.292	1.197
MINIMUM X	:	-.910	-.758	-.593
MAXIMUM Y	:	.715	.717	.619
MINIMUM Y	:	-.788	-.786	-.709
CENTROID X	:	-.474	-.626	-.531
CENTROID Y	:	-.109	-.111	-.013
POA TO CENTROID in.	:	.486	.636	.532
MIN RADIUS	:	.425	.318	.325
MEAN RADIUS	:	.859	.765	.721
MAX RADIUS	:	1.369	1.320	1.253
HORIZONTAL SPREAD	:	2.279	2.050	1.790
VERTICAL SPREAD	:	1.503	1.503	1.328
EXTREME SPREAD	:	2.419	2.113	1.901
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

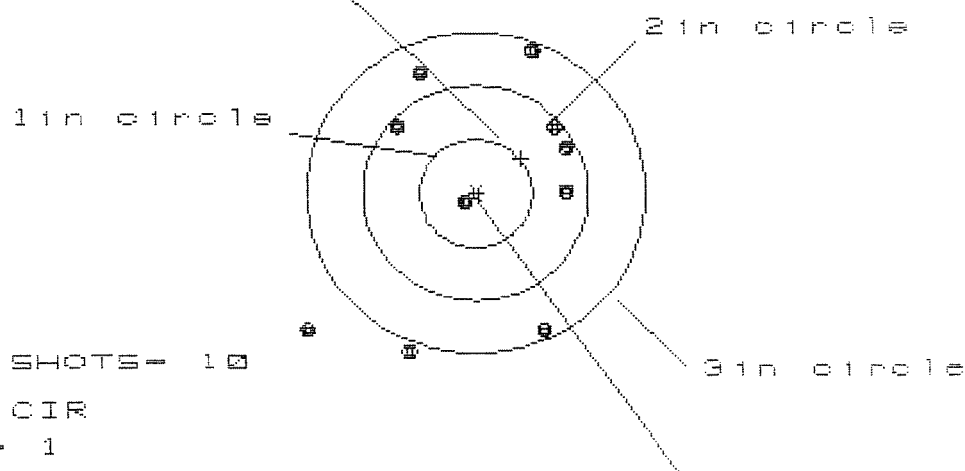
13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523457

CENTERFIRE PATTERNS

3

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.334

VS= 2.730

GS= 3.276

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.827	.660	.558
MINIMUM X	:	-1.507	-.851	-.953
MAXIMUM Y	:	1.277	1.132	.933
MINIMUM Y	:	-1.453	-1.598	-1.597
CENTROID X	:	-.403	-.236	-.134
CENTROID Y	:	-.321	-.176	.023
POA TO CENTROID in.	:	.515	.295	.136
MIN RADIUS	:	.154	.374	.501
MEAN RADIUS	:	1.127	.999	.862
MAX RADIUS	:	1.989	1.793	1.628
HORIZONTAL SPREAD	:	2.334	1.511	1.511
VERTICAL SPREAD	:	2.730	2.730	2.530
EXTREME SPREAD	:	3.276	2.967	2.590
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523457

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.522

VS= 3.128

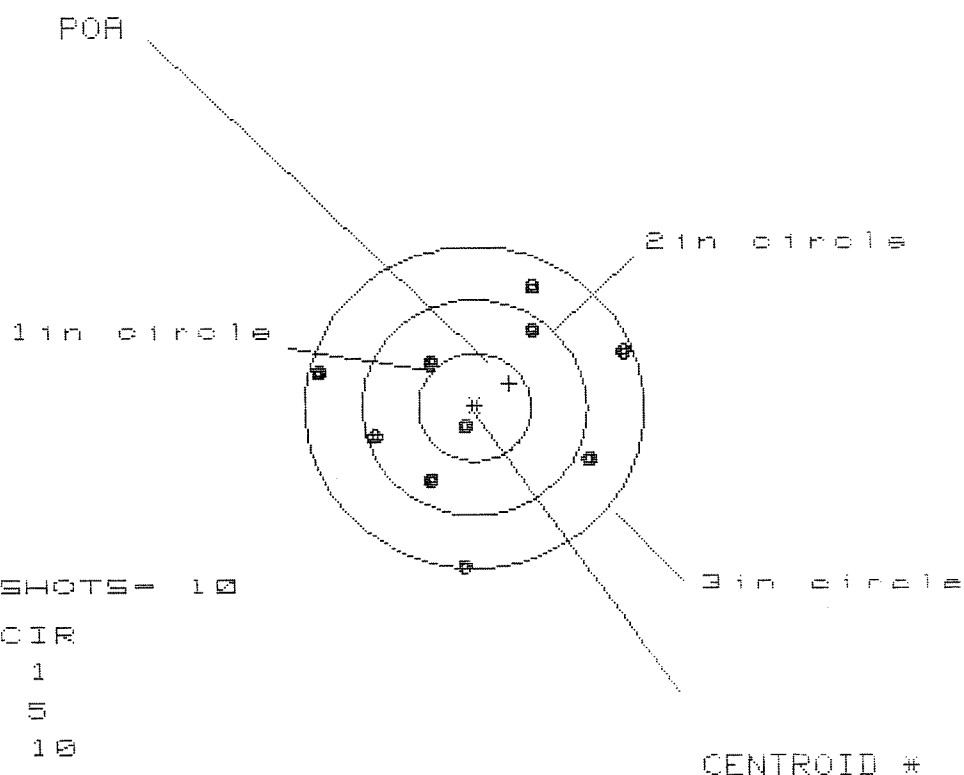
GS= 3.128

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.286	1.218	1.129
MINIMUM X	:	-1.236	-1.304	-1.393
MAXIMUM Y	:	1.703	1.118	.964
MINIMUM Y	:	-1.425	-1.236	-1.077
CENTROID X	:	.236	.304	.393
CENTROID Y	:	-.209	-.398	-.244
POA TO CENTROID in.	:	.315	.501	.462
MIN RADIUS	:	.236	.187	.079
MEAN RADIUS	:	.990	.866	.758
MAX RADIUS	:	1.812	1.423	1.436
HORIZONTAL SPREAD	:	2.522	2.522	2.522
VERTICAL SPREAD	:	3.128	2.354	2.040
EXTREME SPREAD	:	3.128	2.539	2.539
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523457

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.788

VS= 2.654

GS= 2.803

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.353	1.339	1.119
MINIMUM X	:	-1.435	-1.449	-1.282
MAXIMUM Y	:	1.163	.997	1.047
MINIMUM Y	:	-1.491	-.873	-.823
CENTROID X	:	-.312	-.298	-.466
CENTROID Y	:	-.225	-.059	-.109
POA TO CENTROID in.	:	.384	.304	.478
MIN RADIUS	:	.181	.332	.259
MEAN RADIUS	:	1.007	.952	.870
MAX RADIUS	:	1.496	1.453	1.291
HORIZONTAL SPREAD	:	2.788	2.788	2.401
VERTICAL SPREAD	:	2.654	1.870	1.870
EXTREME SPREAD	:	2.803	2.803	2.528
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

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

SERIAL NO. C6523457
DATE 9/11/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.73	2.32	2.35	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.33	2.33	2.40	
PULL #3	2.38	2.34	2.36	2.38	
PULL #4	2.36	2.36	2.38	2.40	
PULL #5	2.39	2.33	2.38	2.44	
TOTAL	11.98	11.68	11.80	12.00	
AVG.	2.39	2.33	2.36	2.40	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.20		
PULL #2	3.12	3.00		
PULL #3	3.05	3.14		
PULL #4	3.09	3.14		
PULL #5	3.06	3.11		
TOTAL	15.42	15.59		
AVG.	3.08	3.12		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	4.15		3.95
PULL #2	4.05	4.06		3.98
PULL #3	4.12	4.02		4.00
PULL #4	4.11	4.01		4.03
PULL #5	4.15	4.06		4.01
TOTAL	20.45	20.30		19.97
AVG.	4.09	4.06		3.99

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523457

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/22/90	Kcd
	Magnaflux Bolt		8/22/90	Kcd
615	Rollmark Caliber		8/22/90	CS.
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-22-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	Rw
	C) Inspect Ejector Hole for Chamfer		8/31/90	Rw
	D) Oil Firing Pin Ass'y		8/31/90	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		9/1/90	W.B.

-BARBER - M24 0028454

op. #	OP. NAME	READINGS					DATE	INIT
625 nt.	F) Safety On Force	4	4	4			9/11/90	WB
	G) Safety Off Force	2	2	2			9/11/90	WB
	H) Trigger Pull Test & Retainability						9/11/90	WB
	I) Firing Pin Indent	.0225	.0225	.0225			9/11/90	WB
	J) Assemble Stock						9/11/90	RW
	K) Assemble Swivel Studs						9/15/90	428
	L) Attach Front and Rear Sight Assemblies						9/11/90	RW
	M) Iron Sight Alignment						9/11/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/11/90	RW
	O) Attach Scope to Rifle						9/11/90	RW
	P) Detach & Attach Scope 20 Times						9/11/90	RW
640	Gallery Target & Test						9-13-90	DH
	A) Time						9-13-90	DH
	B) Malfunctions						9-13-90	DH
	C) Pierced Primers						9-13-90	DH
	D) Optical Clarity of Scope						9-13-90	DH
645	Inspect for Live Ammo						9-13-90	DH
655	Final Inspection							
	A) Headspace						9/15/90	428
	B) Trigger Pull	2.38	2.40	2.38	2.40	2.44	9-15-90	921
	C) Function						9/15/90	428
660	Pack						9/19/90	RF