

C6498873

MODEL 790™ N24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400009314

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498873

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12 90		RW
600	Proof	7 12 90		RW
607	Check Headspace	7 12 90		RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	G.S.
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel AB		7/24/90	WB
620	Apply Coatings (Barrel Action)		8-6-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/27/90	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			8/28/90	WB
	G) Safety Off Force	2	2	2			8/28/90	WB
	H) Trigger Pull Test & Retainability						8/27/90	SL
	I) Firing Pin Indent	.023	.023	.023			8/28/90	WB
	J) Assemble Stock						8/29/90	RW
	K) Assemble Swivel Studs						9/6/90	JS
	L) Attach Front and Rear Sight Assemblies						8/29/90	RW
	M) Iron Sight Alignment						8/29/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/29/90	RW
	O) Attach Scope to Rifle						8/29/90	RW
	P) Detach & Attach Scope 20 Times						8/29/90	RW
640	Gallery Target & Test						9/4/90	RJ
	A) Time						9/4/90	RJ
	B) Malfunctions						9/4/90	RJ
	C) Pierced Primers						9/4/90	RJ
	D) Optical Clarity of Scope						9/4/90	RJ
645	Inspect for Live Ammo						9/4/90	RJ
655	Final Inspection							
	A) Headspace						9/6/90	JS
	B) Trigger Pull	2.38	2.22	2.21	2.27	2.40	9-5-90	SL
	C) Function						9/6/90	JS
660	Pack						9/20/90	AF

SWS TRIGGER PULL TEST

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

SERIAL NO. 06498873

DATE 8/27/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.13	2.40	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.28	2.35	2.22	
PULL #3	2.39	2.35	2.26	2.21	
PULL #4	2.22	2.26	2.32	2.27	
PULL #5	2.25	2.32	2.30	2.40	
TOTAL	11.54	11.34	10.63	11.48	
AVG.	2.308	2.268	2.126	2.296	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.34		
PULL #2	3.03	3.27		
PULL #3	3.37	3.12		
PULL #4	3.35	3.22		
PULL #5	3.44	3.27		
TOTAL	15.31	16.22		
AVG.	3.062	3.244		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.145		4.44
PULL #2	4.11	4.28		4.36
PULL #3	4.46	4.46		4.33
PULL #4	4.34	4.16		4.09
PULL #5	4.37	4.10		4.23
TOTAL	21.42	21.35		21.45
AVG.	4.284	4.27		4.29

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498873
5 Sep 1990

CENTROIDAL DISTANCES

0 TO 1	.369283
1 TO 2	.24168
1 TO 3	.391155
1 TO 4	.490734
1 TO 5	.525115

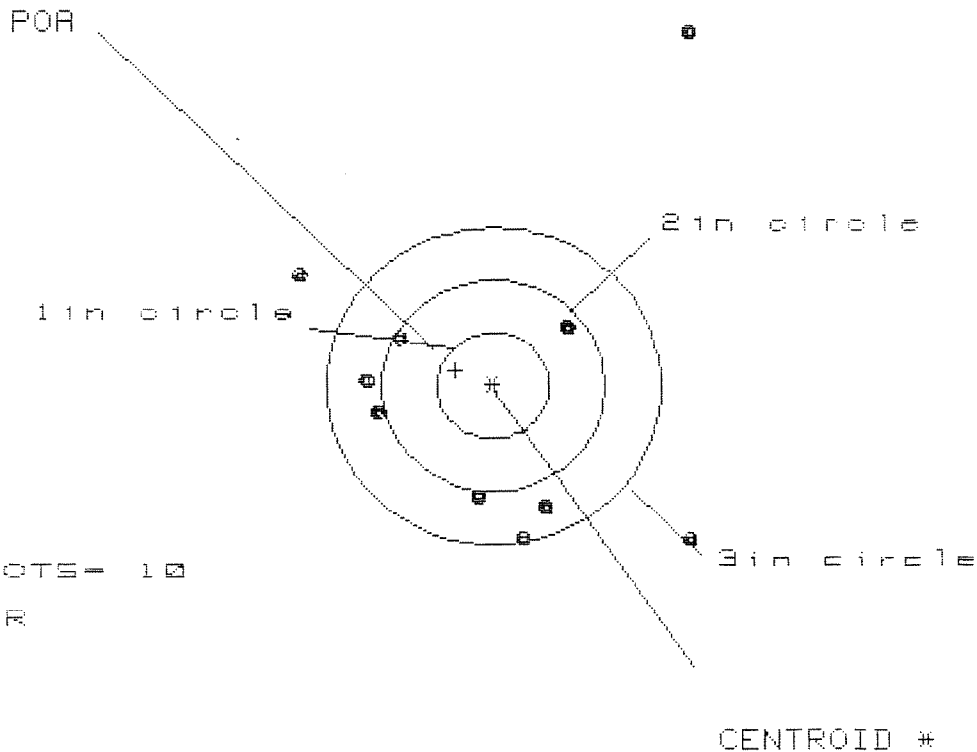
 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0436
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0514
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0674012
THE AMR FOR THIS RIFLE IS: 1.053

5 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06498873

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 0

2in = 2

3in = 7

HS= 3.557

VS= 4.743

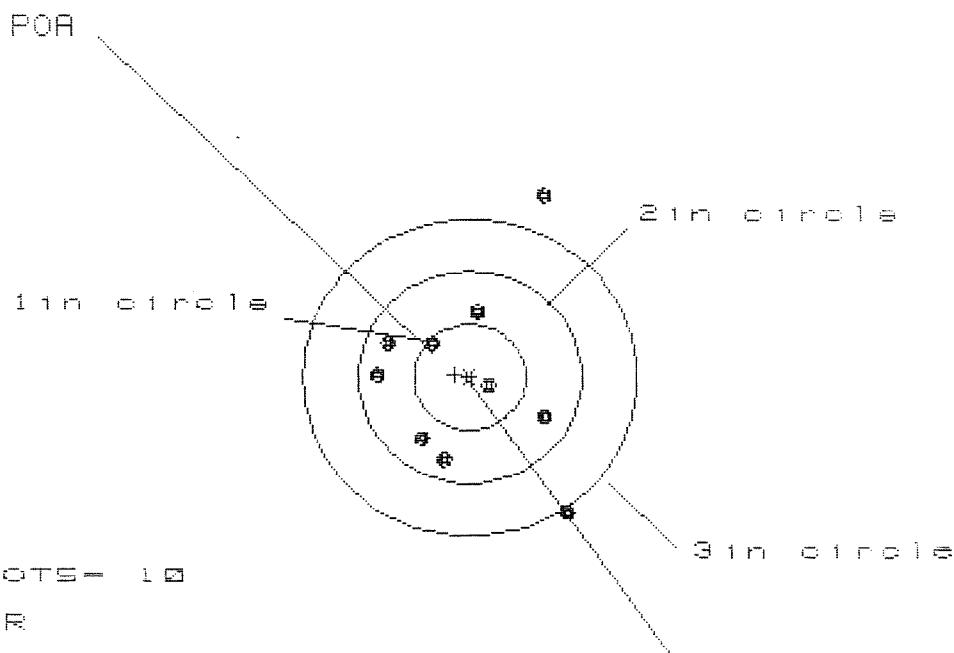
GS= 4.975

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.808	1.919	1.083
MINIMUM X	:	-1.749	-1.548	-1.308
MAXIMUM Y	:	3.312	1.407	1.274
MINIMUM Y	:	-1.431	-1.063	-1.188
CENTROID X	:	.337	.136	-.103
CENTROID Y	:	-.151	-.519	-.387
POR TO CENTROID in.	:	.370	.537	.400
MIN RADIUS	:	.877	.711	.593
MEAN RADIUS	:	1.582	1.255	1.102
MAX RADIUS	:	3.774	2.193	1.827
HORIZONTAL SPREAD	:	3.557	3.467	2.392
VERTICAL SPREAD	:	4.743	2.470	2.463
EXTREME SPREAD	:	4.975	4.257	3.193
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

5 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06495873

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 8

HS= 1.725

VS= 3.025

GS= 3.038

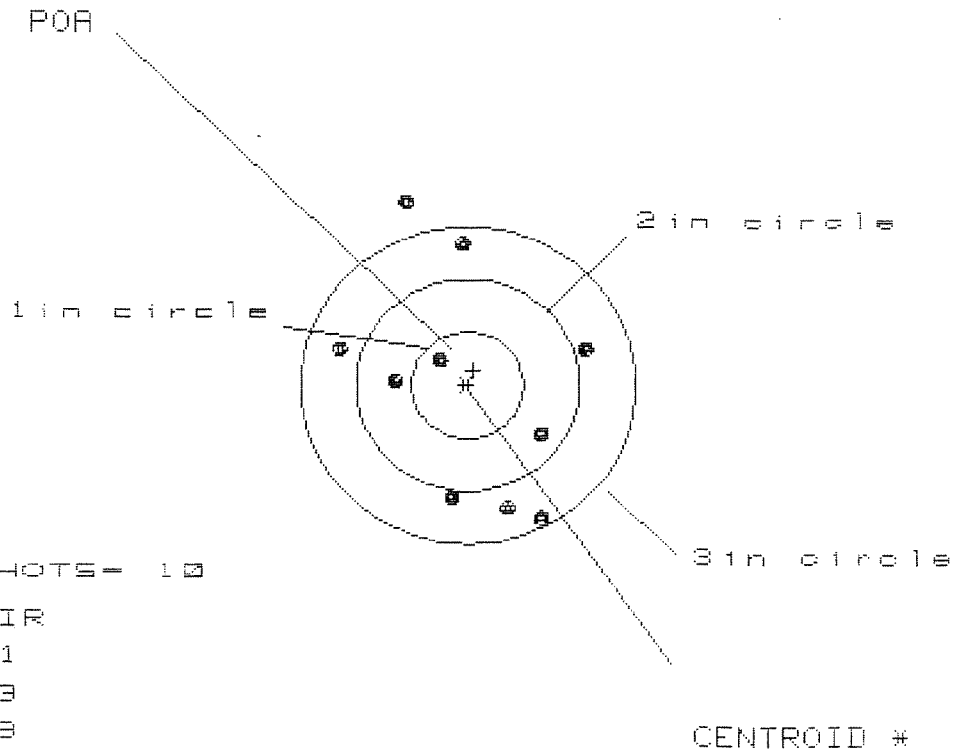
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.917	.989	.827
MINIMUM X	:	-.808	-.736	-.613
MAXIMUM Y	:	1.720	.845	.706
MINIMUM Y	:	-1.305	-1.114	-.756
CENTROID X	:	.132	.060	-.063
CENTROID Y	:	-.023	-.214	-.075
POA TO CENTROID in.	:	.133	.222	.098
MIN RADIUS	:	.225	.317	.412
MEAN RADIUS	:	.867	.748	.632
MAX RADIUS	:	1.835	1.489	.893
HORIZONTAL SPREAD	:	1.725	1.725	1.440
VERTICAL SPREAD	:	3.025	1.959	1.462
EXTREME SPREAD	:	3.038	2.290	1.510
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B873

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 9

HS = 3.147

VS = 3.017

GS = 3.226

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.049	.992	1.063
MINIMUM X	:	-1.098	-1.155	-1.083
MAXIMUM Y	:	1.739	1.505	1.369
MINIMUM Y	:	-1.278	-1.084	-1.130
CENTROID X	:	-.054	.003	-.068
CENTROID Y	:	-.140	-.334	-.198
POA TO CENTROID in.	:	.150	.334	.210
MIN RADIUS	:	.311	.491	.341
MEAN RADIUS	:	1.084	.990	.948
MAX RADIUS	:	1.813	1.510	1.370
HORIZONTAL SPREAD	:	2.147	2.147	2.147
VERTICAL SPREAD	:	3.017	2.589	2.499
EXTREME SPREAD	:	3.226	2.682	2.535
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Sep 1998

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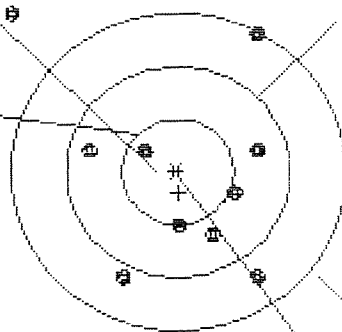
CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.212

VS= 2.506

GS= 3.340

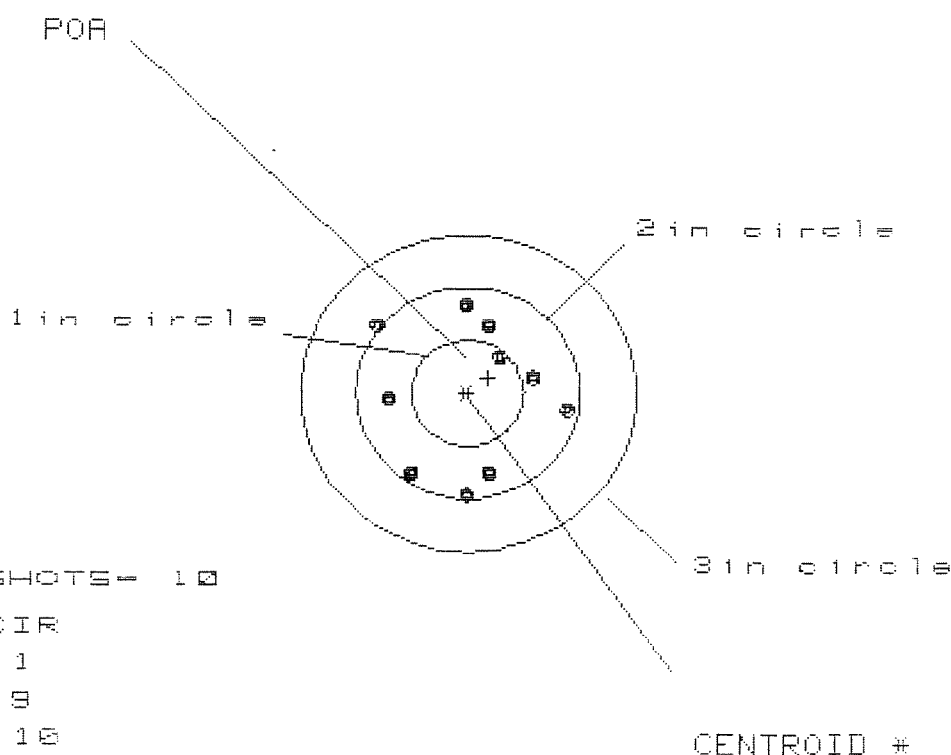
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.745	.582	.651
MINIMUM X	:	-1.467	-.934	-.861
MAXIMUM Y	:	1.460	1.501	.577
MINIMUM Y	:	-1.046	-.884	-.696
CENTROID X	:	-.009	.154	.081
CENTROID Y	:	.197	.035	-.153
POA TO CENTROID in.	:	.197	.157	.173
MIN RADIUS	:	.329	.320	.120
MEAN RADIUS	:	.960	.795	.662
MAX RADIUS	:	2.069	1.610	1.002
HORIZONTAL SPREAD	:	2.212	1.516	1.512
VERTICAL SPREAD	:	2.506	2.385	1.273
EXTREME SPREAD	:	3.340	2.693	1.935
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498873

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 9

3 in = 10

HS= 1.684

VS= 1.704

GS= 1.879

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.843	.750	.739
MINIMUM X	:	-.841	-.828	-.839
MAXIMUM Y	:	.790	.866	.761
MINIMUM Y	:	-.914	-.838	-.771
CENTROID X	:	-.188	-.095	-.084
CENTROID Y	:	-.140	-.216	-.111
POA TO CENTROID in.	:	.234	.236	.139
MIN RADIUS	:	.404	.418	.320
MEAN RADIUS	:	.770	.724	.693
MAX RADIUS	:	1.084	.880	.968
HORIZONTAL SPREAD	:	1.684	1.578	1.578
VERTICAL SPREAD	:	1.704	1.704	1.532
EXTREME SPREAD	:	1.879	1.705	1.591
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	




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

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

MODEL 700™ H24

Ø1

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

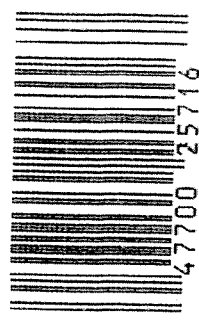
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C6498873

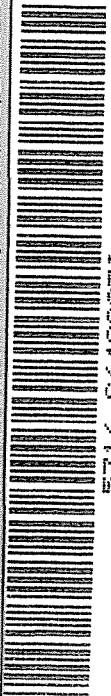
ORDER NO.

5716

UPC



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