

C6649034

MODEL 760™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Sinclair®

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

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

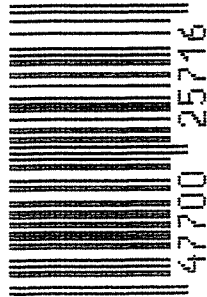
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

SERIAL NO.
 C6649034

ORDER NO.
5716



LPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649034

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 25	9 1	RW
600	Proof	6 25	9 1	RW
607	Check Headspace	6 25	9 1	RW
610	Dis-assemble Gun	6 25	9 1	RW
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	JS
617	Drill and Tap Sight Holes		JUL 1 1991	FB
618	Polish Barrel		JUL 2 1991	WB
620	Apply Coatings (Barrel Action)		8-27-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/27/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/27/91	RW
	C) Inspect Ejector Hole for Chamfer		8/27/91	RW
	D) Oil Firing Pin Ass'y		8/27/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/27/91	YU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8/28/91	YU
	G) Safety Off Force	3	3	3			8/28/91	YU
	H) Trigger Pull Test & Retainability						8/27/91	YU
	I) Firing Pin Indent	10235	10225	10225			8/28/91	YU
	J) Assemble Stock						8/29/91	RW
	K) Assemble Swivel Studs						8-31-91	D/H
	L) Attach Front and Rear Sight Assemblies						8/29/91	RW
	M) Iron Sight Alignment						8/29/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/29/91	RW
	O) Attach Scope to Rifle						8/29/91	RW
	P) Detach & Attach Scope 20 Times						8/29/91	RW
640	Gallery Target & Test						8-30-91	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						8-30-91	A
655	Final Inspection							
	A) Headspace						8-31-91	D/H
	B) Trigger Pull	266	240	243	250	251	8-31-91	D/H
	C) Function						8-31-91	D/H
660	Pack						9-11-91	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649034

DATE 8/22/91

TESTER SM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.18	2.44	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.30	2.40	2.40	
PULL #3	2.57	2.47	2.38	2.43	
PULL #4	2.33	2.36	2.32	2.50	
PULL #5	2.20	2.42	2.44	2.51	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.53	3.35		
PULL #2	3.37	3.26		
PULL #3	3.47	3.28		
PULL #4	3.31	3.24		
PULL #5	3.22	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.44		4.40
PULL #2	4.18	4.46		4.59
PULL #3	4.52	4.53		4.53
PULL #4	4.48	4.51		4.58
PULL #5	4.51	4.57		4.58
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649034
30 Aug 1991

CENTROIDAL DISTANCES

0 TO 1	.686813
1 TO 2	.690395
1 TO 3	.292933
1 TO 4	.849377
1 TO 5	1.0509

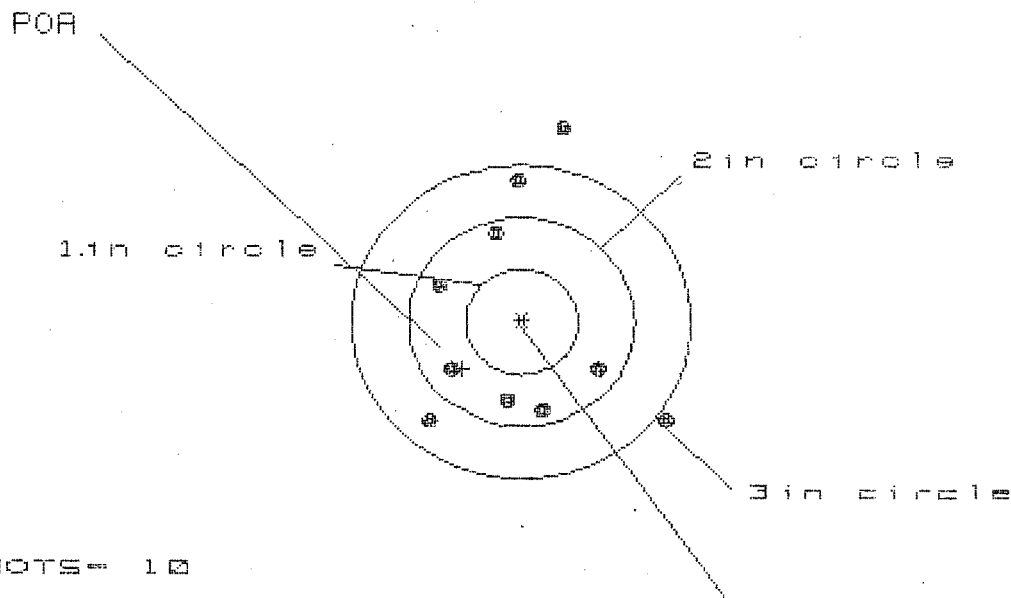
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THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2864
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0232
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .287338
THE AMR FOR THIS RIFLE IS: 1.119

30 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649034

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 6

3 in = 8

HS= 2.072

VS= 2.776

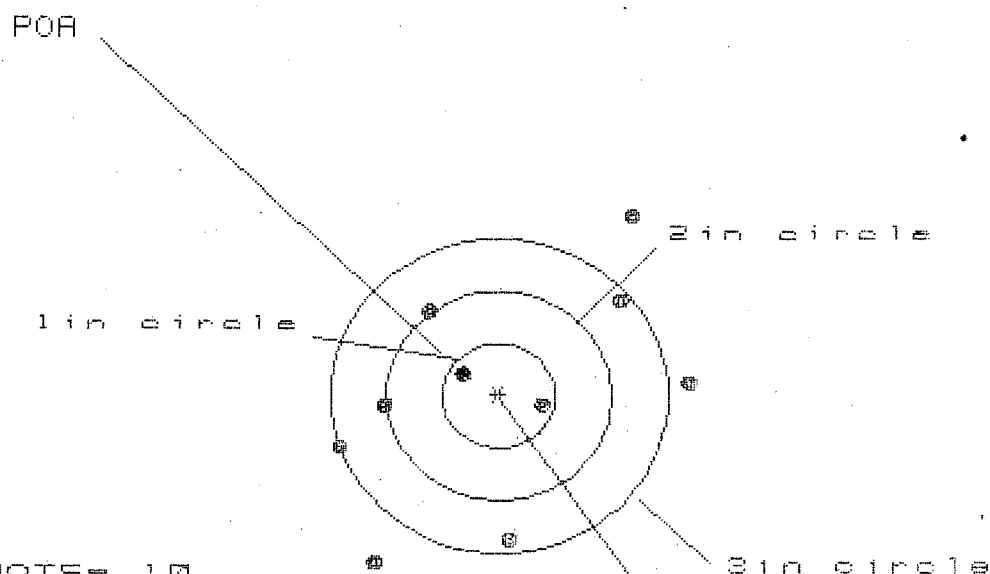
GS= 3.010

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.258	1.297	.920
MINIMUM X	-.814	-.775	-.613
MAXIMUM Y	1.809	1.566	1.476
MINIMUM Y	-.967	-.765	-.855
CENTROID X	.524	.485	.323
CENTROID Y	.444	.242	.332
POA TO CENTROID in.	.687	.543	.463
MIN RADIUS	.739	.535	.516
MEAN RADIUS	1.092	.968	.895
MAX RADIUS	1.843	1.566	1.489
HORIZONTAL SPREAD	2.072	2.072	1.533
VERTICAL SPREAD	2.776	2.331	2.331
EXTREME SPREAD	3.010	2.606	2.467
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 3

3 in = 7

HS = 3.092

VS = 3.286

GS = 3.970

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.725	1.853	1.735
MINIMUM X	:	-1.367	-1.239	-1.357
MAXIMUM Y	:	1.701	1.098	.924
MINIMUM Y	:	-1.585	-1.396	-1.395
CENTROID X	:	.315	.187	.305
CENTROID Y	:	-.214	-.403	-.229
POA TO CENTROID in.	:	.381	.444	.381
MIN RADIUS	:	.375	.417	.373
MEAN RADIUS	:	1.277	1.181	1.099
MAX RADIUS	:	2.056	1.882	1.742
HORIZONTAL SPREAD	:	3.092	3.092	3.092
VERTICAL SPREAD	:	3.286	2.494	2.319
EXTREME SPREAD	:	3.970	3.288	3.163
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	7		

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 2.423

VS= 3.782

GS= 3.800

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.191	1.283	1.443
MINIMUM X	:	-1.232	-1.140	-.980
MAXIMUM Y	:	2.047	1.489	1.300
MINIMUM Y	:	-1.735	-1.507	-.549
CENTROID X	:	.657	.565	.405
CENTROID Y	:	.183	-.045	.143
POA TO CENTROID in.	:	.682	.567	.430
MIN RADIUS	:	.400	.321	.149
MEAN RADIUS	:	1.223	1.067	.906
MAX RADIUS	:	2.208	1.979	1.550
HORIZONTAL SPREAD	:	2.423	2.423	2.423
VERTICAL SPREAD	:	3.782	2.996	1.850
EXTREME SPREAD	:	3.800	3.368	2.651
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

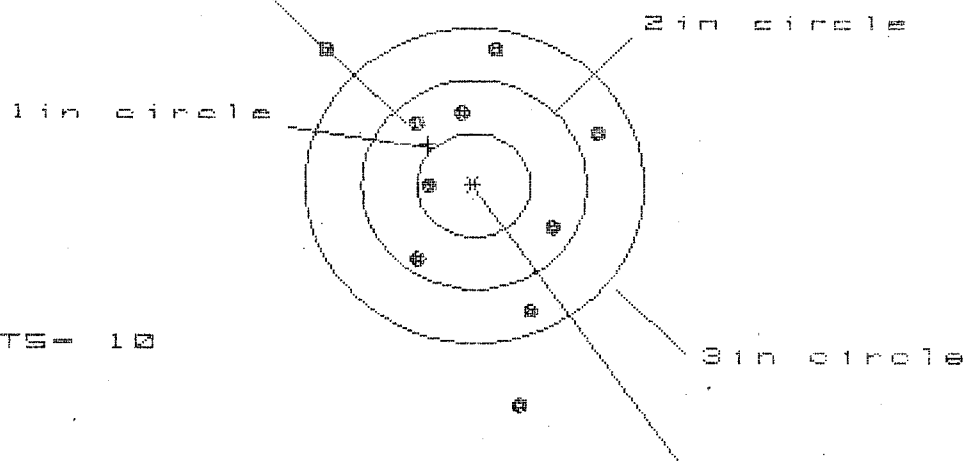
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CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.403

VS= 3.439

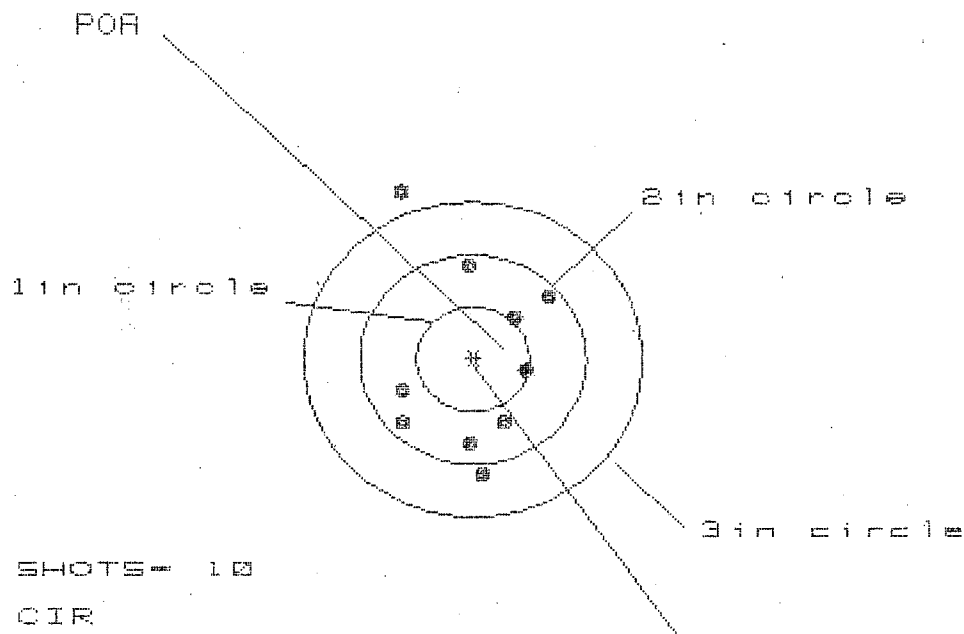
GS= 3.817

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.092	1.139	.981
MINIMUM X	:	-1.311	-1.264	-.654
MAXIMUM Y	:	1.316	1.080	1.211
MINIMUM Y	:	-2.123	-1.405	-1.274
CENTROID X	:	.405	.358	.517
CENTROID Y	:	-.397	-.161	-.292
POA TO CENTROID in.	:	.567	.393	.593
MIN RADIUS	:	.442	.430	.558
MEAN RADIUS	:	1.135	.987	.915
MAX RADIUS	:	2.164	1.640	1.340
HORIZONTAL SPREAD	:	2.403	2.403	1.634
VERTICAL SPREAD	:	3.439	2.485	2.485
EXTREME SPREAD	:	3.817	3.061	2.510
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 9

HS= 1.357

VS= 2.659

GS= 2.759

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.706
MINIMUM X	-.651
MAXIMUM Y	1.555
MINIMUM Y	-1.103
CENTROID X	-.469
CENTROID Y	.100
POA TO CENTROID in.	.480
MIN RADIUS	.485
MEAN RADIUS	.869
MAX RADIUS	1.686
HORIZONTAL SPREAD	1.357
VERTICAL SPREAD	2.659
EXTREME SPREAD	2.759
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	9