

C6349124

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smith

Remington®

MODEL 700™ H24

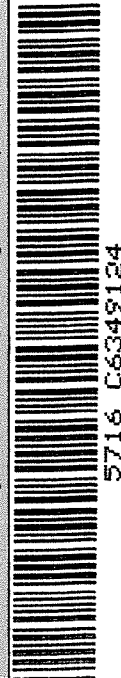
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off, Marca Registrada Marque Deposee.

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

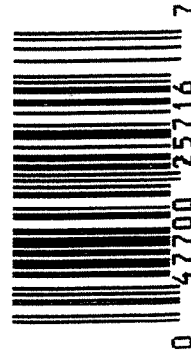
DU PONT
REG. U.S. PAT. & T.M. OFF

SERIAL NO. C6349124	ORDER NO. 5716
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Ø1



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349124

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12-20 89	RW
600	Proof		12-20 89	K
607	Check Headspace		12-20 89	K
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action		1-5-90	KCR
	Magnaflux Bolt		1-5-90	
615	Rollmark Caliber		1/5/90	JS
617	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/16/90 1/16/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/16/90	RW
	C) Inspect Ejector Hole for Chamfer		1/16/90	RW
	D) Oil Firing Pin Ass'y		1/16/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/16/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1-18-90	98
	G) Safety Off Force	3	3	3			1-18-90	98
	H) Trigger Pull Test & Retainability						18/1/90	98
	I) Firing Pin Indent	.0215	.022	.022			1-18-90	98
	J) Assemble Stock						3/2/90	RW
	K) Assemble Swivel Studs						3/15/90	WB
	L) Attach Front and Rear Sight Assemblies						3/2/90	RW
	M) Iron Sight Alignment						3/2/90	RW
	N) Detach Front & Rear Sights & place in numbered container						3/2/90	RW
	O) Attach Scope to Rifle						3/2/90	WB
	P) Detach & Attach Scope 20 Times						3/2/90	WB
640	Gallery Target & Test						3-5-90	JES Temp Help
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection						15 MAR 90	98
	A) Headspace							
	B) Trigger Pull	239	236	238	231	233	15 MAR 90	98
	C) Function						15 MAR 90	98
660	Pack						20 MAR 90	98

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349124DATE 17 Jun 90TESTER JSB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.30	2.53	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.30	2.49	2.36	
PULL #3	2.39	2.35	2.42	2.38	
PULL #4	2.41	2.37	2.44	2.31	
PULL #5	2.41	2.35	2.44	2.33	
TOTAL	11.93	11.67	12.32	11.74	
AVG.	2.386	2.334	2.464	2.348	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.24		
PULL #2	3.23	3.26		
PULL #3	3.02	3.28		
PULL #4	3.23	3.29		
PULL #5	3.28	3.31		
TOTAL	16.03	16.38		
AVG.	3.206	3.276		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.15		4.16
PULL #2	4.38	4.26		4.04
PULL #3	4.34	4.29		4.28
PULL #4	4.36	4.09		4.28
PULL #5	4.18	4.25		4.27
TOTAL	21.45	21.04		21.03
AVG.	4.29	4.208		4.206

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349124
5 Mar 1990

CENTROIDAL DISTANCES

0	TO	1	.507878
1	TO	2	.894709
1	TO	3	.874694
1	TO	4	1.66675
1	TO	5	.684349

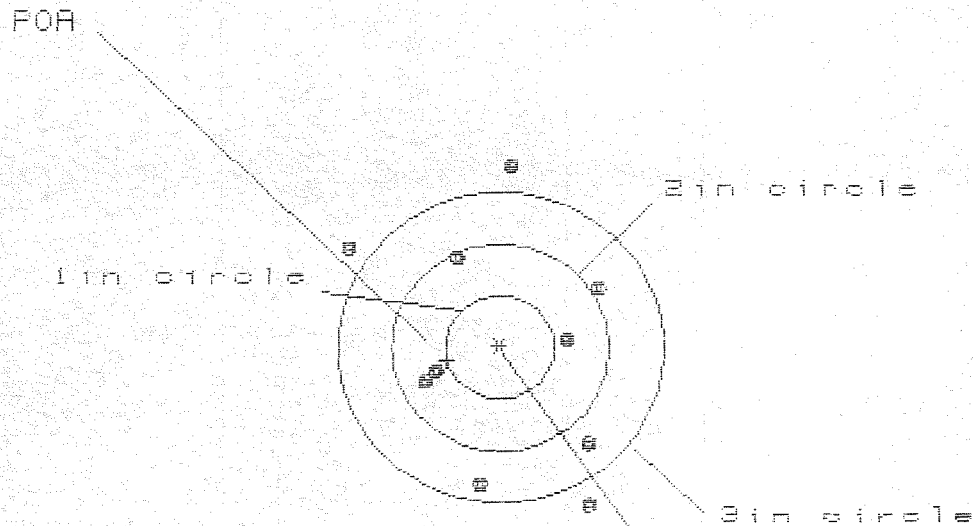
4
+ 1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.272
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .4062
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .408858
THE AMR FOR THIS RIFLE IS: .9736

5 Mar 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C6349124

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS = 2.288

VS = 3.342

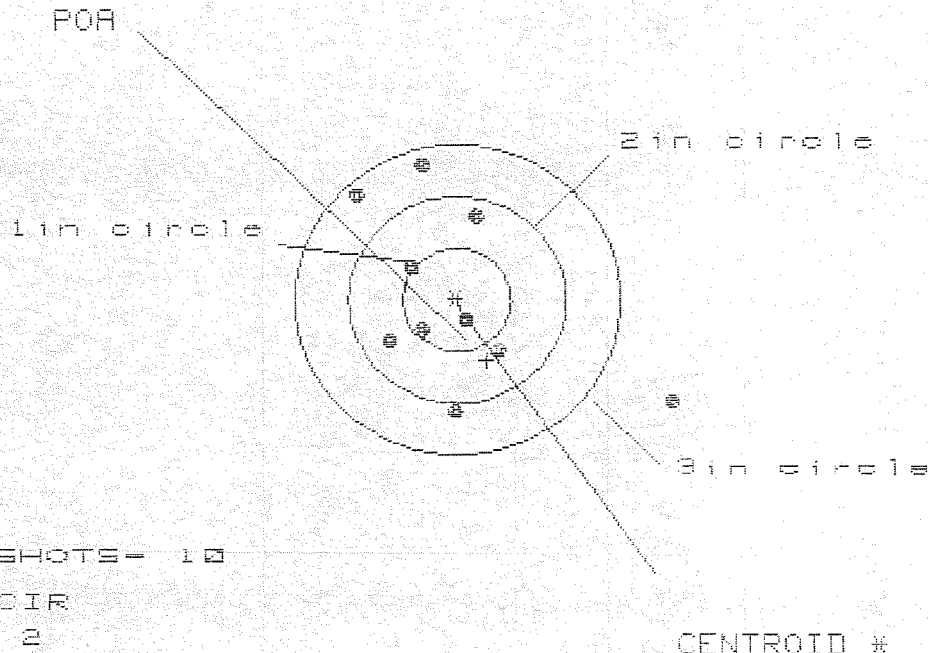
GS = 3.424

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.909	.918	1.023
MINIMUM X	-1.379	-1.370	-1.265
MAXIMUM Y	1.797	1.201	1.032
MINIMUM Y	-1.545	-1.345	-1.302
CENTROID X	.492	.483	.378
CENTROID Y	.126	-.074	.095
POA TO CENTROID in.	.508	.488	.396
MIN RADIUS	.632	.629	.549
MEAN RADIUS	1.184	1.101	1.027
MAX RADIUS	1.799	1.821	1.633
HORIZONTAL SPREAD	2.288	2.288	2.288
VERTICAL SPREAD	3.342	2.546	2.335
EXTREME SPREAD	3.424	3.370	2.861
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

5 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349124

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.912

VS= 2.412

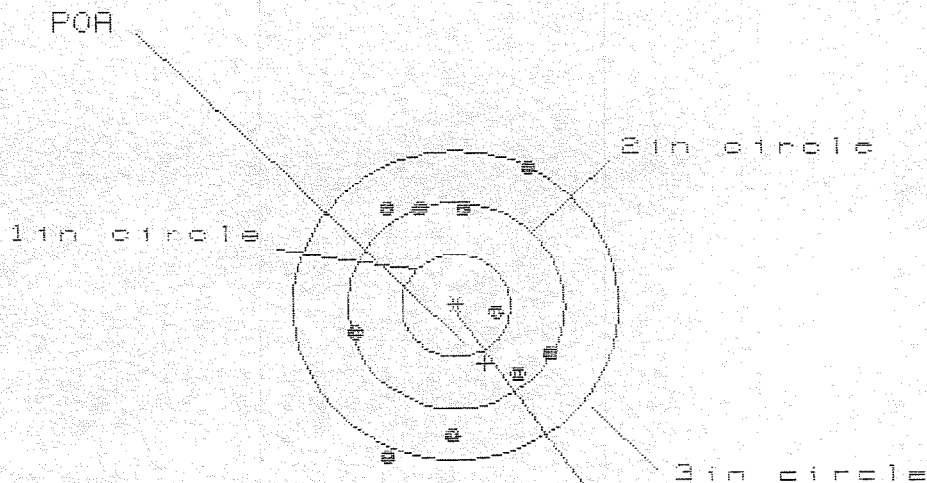
GS= 3.557

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.010	.621	.605
MINIMUM X	-.902	-.679	-.696
MAXIMUM Y	1.351	1.241	1.093
MINIMUM Y	-1.061	-1.171	-1.016
CENTROID X	-.276	-.499	-.492
CENTROID Y	.585	.695	.540
POA TO CENTROID in.	.647	.856	.724
MIN RADIUS	.225	.265	.276
MEAN RADIUS	.943	.781	.693
MAX RADIUS	2.243	1.248	1.295
HORIZONTAL SPREAD	2.912	1.300	1.300
VERTICAL SPREAD	2.412	2.412	2.109
EXTREME SPREAD	3.557	2.430	2.269
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

5 Mar 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06349124

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 1.049

VS = 2.782

GS = 3.072

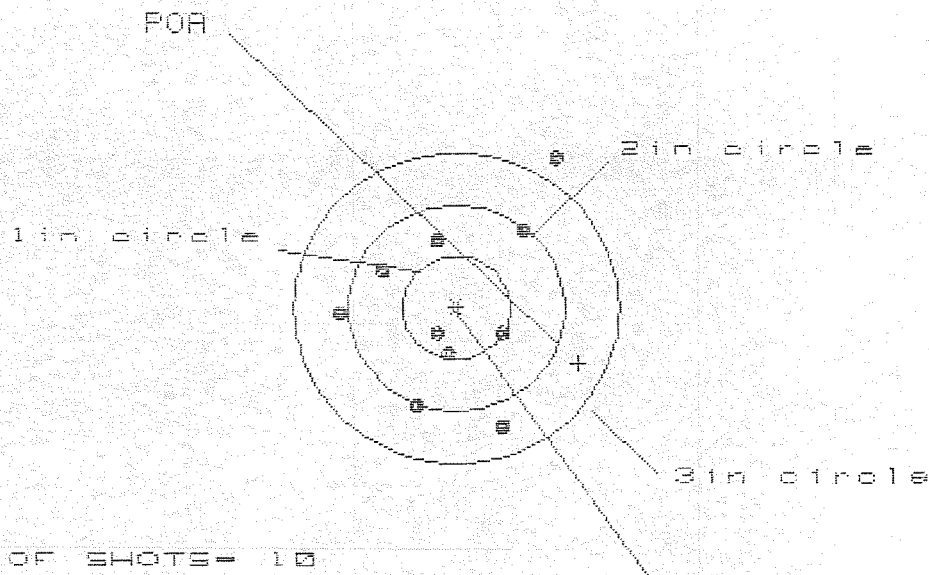
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.893	.821	.894
MINIMUM X	-.956	-1.028	-.953
MAXIMUM Y	1.365	1.207	.977
MINIMUM Y	-1.417	-1.461	-1.310
CENTROID X	-.268	-.196	-.269
CENTROID Y	.559	.717	.566
POA TO CENTROID in.	.620	.743	.627
MIN RADIUS	.340	.322	.342
MEAN RADIUS	1.069	.997	.952
MAX RADIUS	1.558	1.462	1.310
HORIZONTAL SPREAD	1.849	1.849	1.849
VERTICAL SPREAD	2.782	2.668	2.287
EXTREME SPREAD	3.072	2.745	2.362
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

5 Mar 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08349124

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 1.971

VS= 2.516

GS= 2.739

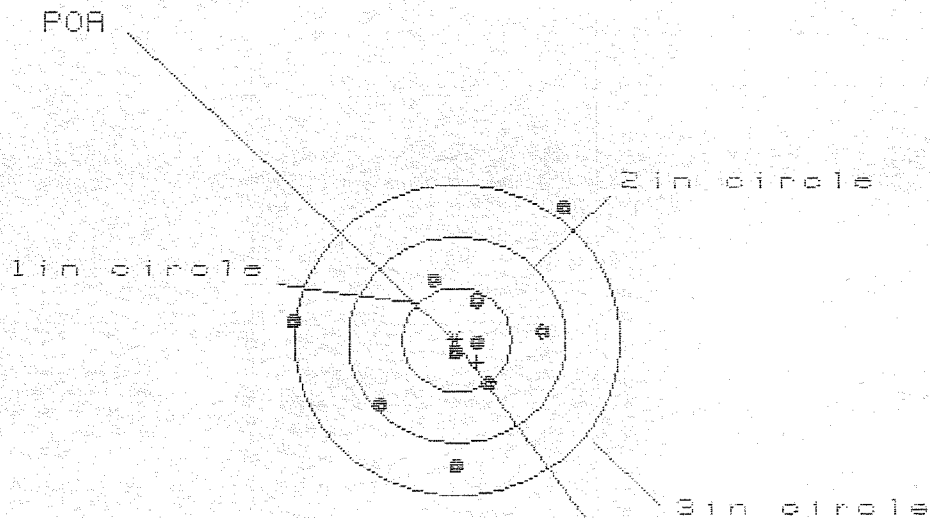
CENTROID #

PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.936	.761	.833
MINIMUM X	-1.035	-.931	-.859
MAXIMUM Y	1.411	.865	.746
MINIMUM Y	-1.105	-.948	-.927
CENTROID X	-1.122	-1.226	-1.298
CENTROID Y	.542	.385	.504
POA TO CENTROID in.	1.246	1.285	1.392
MIN RADIUS	.303	.116	.229
MEAN RADIUS	.867	.736	.697
MAX RADIUS	1.693	1.152	1.118
HORIZONTAL SPREAD	1.971	1.692	1.692
VERTICAL SPREAD	2.516	1.813	1.673
EXTREME SPREAD	2.739	1.993	1.993
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

5 Mar 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8349124

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.520

VS= 2.487

GS= 2.749

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.975
MINIMUM X	-1.545
MAXIMUM Y	1.266
MINIMUM Y	-1.221
CENTROID X	-.186
CENTROID Y	.219
POA TO CENTROID in.	.287
MIN RADIUS	.163
MEAN RADIUS	.805
MAX RADIUS	1.598
HORIZONTAL SPREAD	2.520
VERTICAL SPREAD	2.487
EXTREME SPREAD	2.749
NUMBER IN ONE INCH CIRCLE	3
NUMBER IN TWO INCH CIRCLE	7
NUMBER IN THREE INCH CIRCLE	8