

C6348988

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Sinclair®

Remington
MODEL 700™ M24

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

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

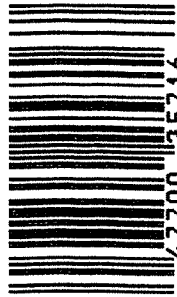
SERIAL NO. C6348988	ORDER NO. 5716
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6348988

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348988

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 31	50	RW
600	Proof	3 31	50	RW
607	Check Headspace	31	50	RW
610	Dis-assemble Gun	3 31	50	RW
612	Magnaflux Barrel Action	4-2-90		KCR
	Magnaflux Bolt	4-2-90		KCR
615	Rollmark Caliber	4-2-90		GL
617	Drill and Tap Sight Holes		4/4/90	FB
618	Polish Barrel RWB		4/5/90	WB
620	Apply Coatings (Barrel Action)		4-9-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/26/90	GL

BARBER - M24 0043317		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	5	5	5			4/26/90	JL
	G) Safety Off Force	3	3	3			4/26/90	JL
	H) Trigger Pull Test & Retainability						4/26/90	JL
	I) Firing Pin Indent	.0205	.020	.020			4/26/90	JL
	J) Assemble Stock						4/26/90	RW
	K) Assemble Swivel Studs						5/1/90	WB
	L) Attach Front and Rear Sight Assemblies						4/26/90	RW
	M) Iron Sight Alignment						4/26/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/26/90	RW
	O) Attach Scope to Rifle						4/26/90	JL
	P) Detach & Attach Scope 20 Times						4/26/90	JL
640	Gallery Target & Test						4-26-90	AC
	A) Time						4-26-90	AC
	B) Malfunctions						4-26-90	AC
	C) Pierced Primers						4-26-90	AC
	D) Optical Clarity of Scope						4-26-90	AC
645	Inspect for Live Ammo						4-26-90	AC
655	Final Inspection						5/1/90	WB
	A) Headspace							
	B) Trigger Pull	2.43	2.55	2.59	2.55	2.55	5/1/90	WB
	C) Function						5/1/90	WB
660	Pack						6/19/90	DA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348988

DATE 4/25/90

TESTER 94

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.44	2.40	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.43	2.45	2.55	
PULL #3	2.46	2.40	2.51	2.59	
PULL #4	2.48	2.41	2.51	2.55	
PULL #5	2.48	2.42	2.40	2.55	
TOTAL	12.43	12.10	12.27		
AVG.	2.486	2.42	2.454		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.54	3.40		
PULL #2	3.52	3.51		
PULL #3	3.51	3.43		
PULL #4	3.46	3.52		
PULL #5	3.37	3.41		
TOTAL	17.40	17.27		
AVG.	3.48	3.454		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.31		4.29
PULL #2	4.13	4.35		4.23
PULL #3	4.40	4.29		4.26
PULL #4	4.37	4.30		4.26
PULL #5	4.42	4.32		4.25
TOTAL	21.54	21.57		21.29
AVG.	4.308	4.314		4.258

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348988
26 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.208483
1 TO	2	.211559
1 TO	3	.178718
1 TO	4	.326098
1 TO	5	.3211

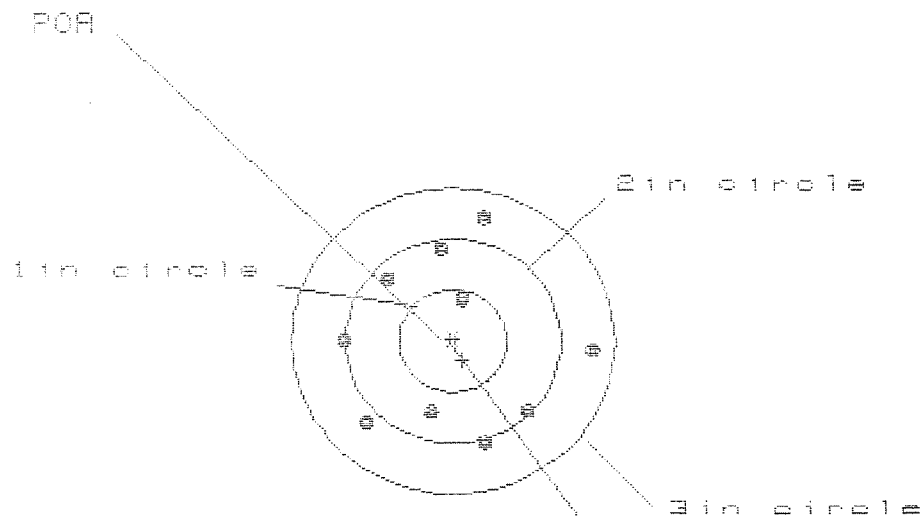
POI <----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0626
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2548
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .262377
THE AMR FOR THIS RIFLE IS: .901

26 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C834B988

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

H0 = 0.000

V0 = 0.000

G0 = 0.000

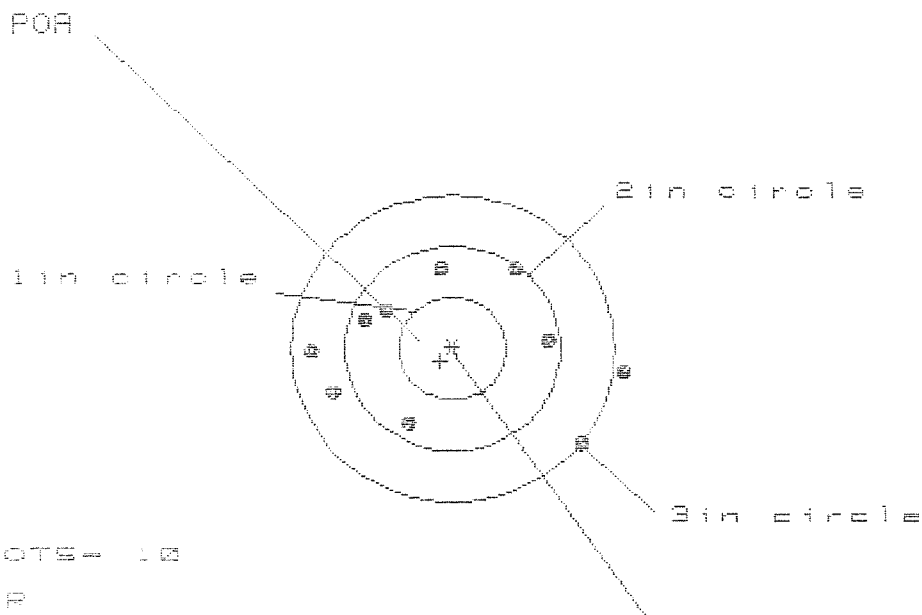
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.332	.855	.911
MINIMUM X	-.991	-.843	-.787
MAXIMUM Y	1.215	1.207	1.087
MINIMUM Y	-.985	-.993	-.842
CENTROID X	-.088	-.236	-.292
CENTROID Y	.189	.197	.046
POA TO CENTROID in.	.208	.387	.295
MIN RADIUS	.466	.503	.595
MEAN RADIUS	.975	.922	.867
MAX RADIUS	1.334	1.288	1.090
HORIZONTAL SPREAD	2.323	1.698	1.698
VERTICAL SPREAD	2.200	2.200	1.929
EXTREME SPREAD	2.325	2.301	1.969
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		

28 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/083489B8

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIP

1 in = 0

2 in = 5

3 in = 8

HS= 2.878

VS= 1.666

GS= 2.892

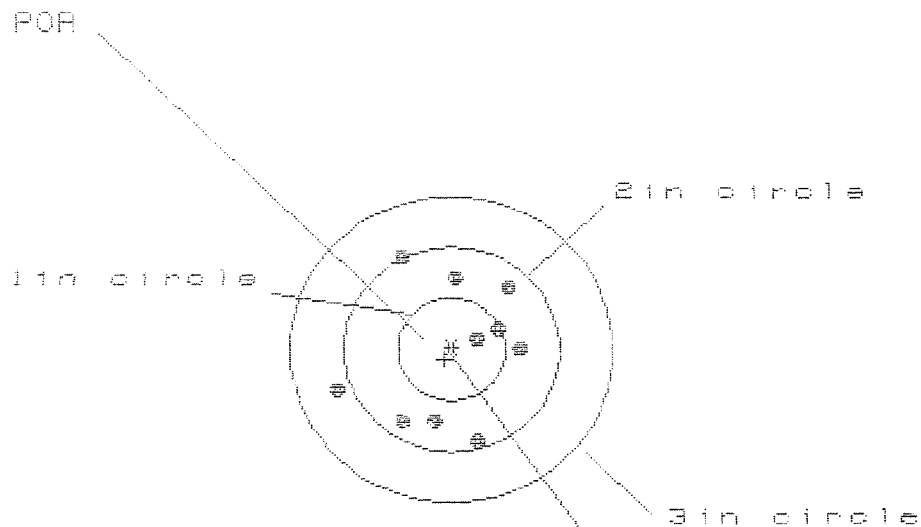
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.599	1.333	1.266
MINIMUM X	-1.279	-1.102	-.935
MAXIMUM Y	.774	.743	.628
MINIMUM Y	-.892	-.923	-.872
CENTROID X	.113	-.064	-.231
CENTROID Y	.123	.154	.269
POA TO CENTROID in.	.167	.167	.355
MIN RADIUS	.716	.559	.360
MEAN RADIUS	1.066	.972	.842
MAX RADIUS	1.622	1.622	1.271
HORIZONTAL SPREAD	2.878	2.435	2.201
VERTICAL SPREAD	1.666	1.666	1.500
EXTREME SPREAD	2.892	2.598	2.201
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

26 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C634B3B8

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 9

3in = 10

CENTROID #

HS = 1.650

VS = 1.737

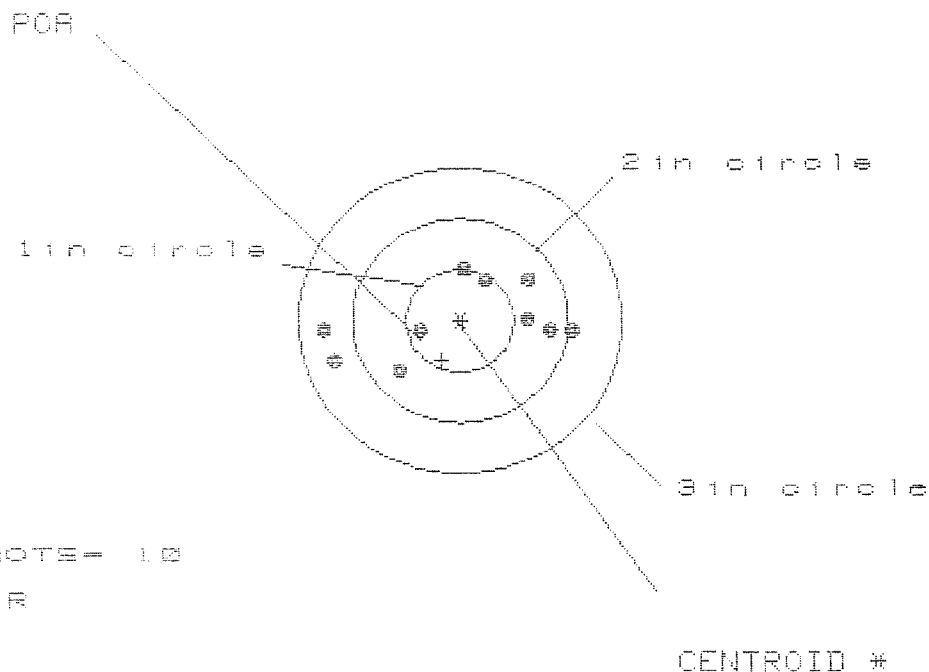
GS = 1.881

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.594	.477	.405
MINIMUM X	-1.056	-.574	-.635
MAXIMUM Y	.883	.844	.813
MINIMUM Y	-.854	-.893	-.787
CENTROID X	.064	.181	.253
CENTROID Y	.095	.134	.028
POR TO CENTROID in.	.114	.225	.255
MIN RADIUS	.266	.143	.141
MEAN RADIUS	.741	.668	.612
MAX RADIUS	1.113	1.021	.903
HORIZONTAL SPREAD	1.650	1.051	1.040
VERTICAL SPREAD	1.737	1.737	1.600
EXTREME SPREAD	1.881	1.881	1.633
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

26 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8348988

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HG = 2.271

VG = .952

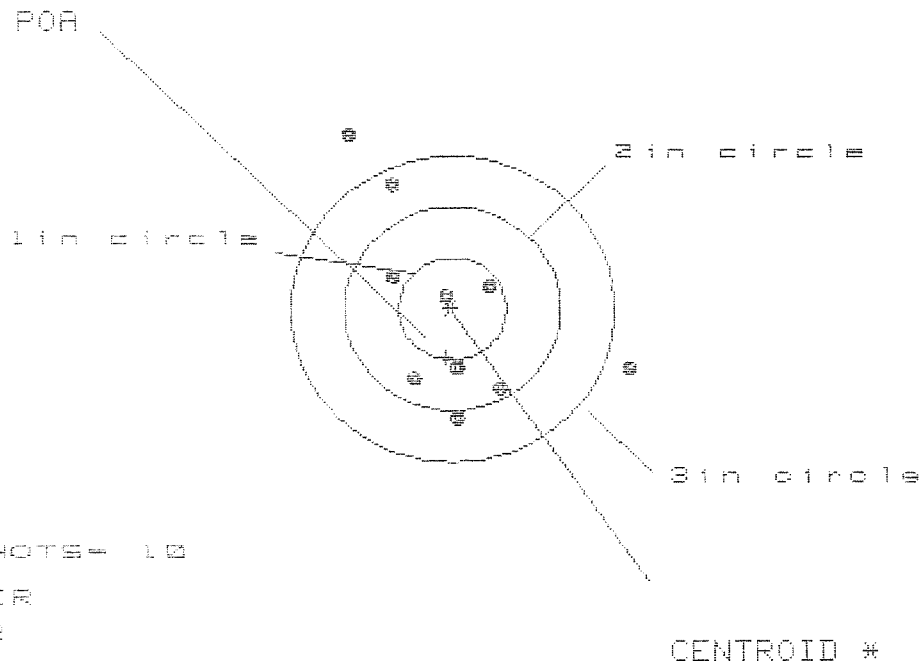
CG = 2.272

PATTERN #	1	4	9	8
SHOTS (BEST OF)	10	9	8	
MAXIMUM X	1.050	.918	.749	
MINIMUM X	-1.221	-1.353	-.913	
MAXIMUM Y	.472	.430	.415	
MINIMUM Y	-.480	-.522	-.537	
CENTROID X	.168	.300	.469	
CENTROID Y	.391	.433	.448	
POA TO CENTROID in.	.426	.527	.649	
MIN RADIUS	.401	.346	.320	
MEAN RADIUS	.779	.700	.581	
MAX RADIUS	1.245	1.358	1.059	
HORIZONTAL SPREAD	2.271	2.271	1.662	
VERTICAL SPREAD	.952	.952	.952	
EXTREME SPREAD	2.272	2.272	1.699	
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

26 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/09348988

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HE= 2.555

VS= 2.782

GS= 3.411

PATTERN #	1	5	9	8
SHOTS (BEST OF)	10	9	9	8
MAXIMUM X	1.636	1.534	1.534	.494
MINIMUM X	-.919	-.639	-.639	-.447
MAXIMUM Y	1.722	1.369	1.369	1.326
MINIMUM Y	-1.060	-.869	-.869	-.912
CENTROID X	.056	.158	.158	-.034
CENTROID Y	.476	.285	.285	.328
POA TO CENTROID in.	.479	.326	.326	.330
MIN RADIUS	.140	.356	.356	.283
MEAN RADIUS	.944	.820	.820	.712
MAX RADIUS	1.952	1.573	1.573	1.396
HORIZONTAL SPREAD	2.555	2.173	2.173	.941
VERTICAL SPREAD	2.782	2.238	2.238	2.238
EXTREME SPREAD	3.411	2.761	2.761	2.384
NUMBER IN ONE INCH CIRCLE	=	2	2	2
NUMBER IN TWO INCH CIRCLE	=	6	6	6
NUMBER IN THREE INCH CIRCLE	=	8	8	8