

C6522162

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Smead®

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522162

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 2	90	RW
600	Proof	8 2	90	RW
607	Check Headspace	8 2	90	RW
610	Dis-assemble Gun	8 2	90	RW
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	LS
617	Drill and Tap Sight Holes		8/10/90	LB
618	Polish Barrel		8/14/90	WB
620	Apply Coatings (Barrel Action)		8/24/90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/27/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/27/90	RW
	C) Inspect Ejector Hole for Chamfer		8/27/90	RW
	D) Oil Firing Pin Ass'y		8/27/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/30/90	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			8/30/90	W
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			8/30/90	W
	H) Trigger Pull Test & Retainability						8/30/90	M
	I) Firing Pin Indent	.0225	.0225	.0225			8/30/90	W
	J) Assemble Stock						9/4/90	Ru
	K) Assemble Swivel Studs						9/4/90	JS
	L) Attach Front and Rear Sight Assemblies						9/4/90	Ru
	M) Iron Sight Alignment						9/4/90	Ru
	N) Detach Front & Rear Sights & place in numbered container						9/4/90	Ru
	O) Attach Scope to Rifle						9/4/90	Ru
	P) Detach & Attach Scope 20 Times						9/4/90	Ru
640	Gallery Target & Test						9/7/90	NF
	A) Time						9/7/90	NF
	B) Malfunctions						9/7/90	NF
	C) Pierced Primers						9/7/90	NF
	D) Optical Clarity of Scope						9/7/90	NF
645	Inspect for Live Ammo						9/7/90	NF
655	Final Inspection						9/9/90	JS
	A) Headspace						9/9/90	JS
	B) Trigger Pull	239	243	234	244	247	9/9/90	JS
	C) Function						9/9/90	JS
660	Pack						9/24/90	NF

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

SERIAL NO. C6522-162DATE 8/30/90TESTER JF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.29	2.25	2.11	239	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.19	2.33	243	
PULL #3	2.24	2.23	2.27	234	
PULL #4	2.25	2.28	2.27	244	
PULL #5	2.27	2.34	2.35	247	
TOTAL	11.30	11.29	11.33		
AVG.	2.26	2.258	2.266		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.43		
PULL #2	3.28	3.43		
PULL #3	3.35	3.43		
PULL #4	3.38	3.49		
PULL #5	3.44	3.50		
TOTAL	16.61	17.28		
AVG.	3.322	3.455		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.38		4.08
PULL #2	4.30	4.25		4.33
PULL #3	4.28	4.30		4.28
PULL #4	4.31	4.23		4.06
PULL #5	4.33	4.31		4.25
TOTAL	21.70	21.47		21.00
AVG.	4.34	4.294		4.2

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522162
7 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.38764
1 TO	2	.524141
1 TO	3	.485619
1 TO	4	.654618
1 TO	5	.5114

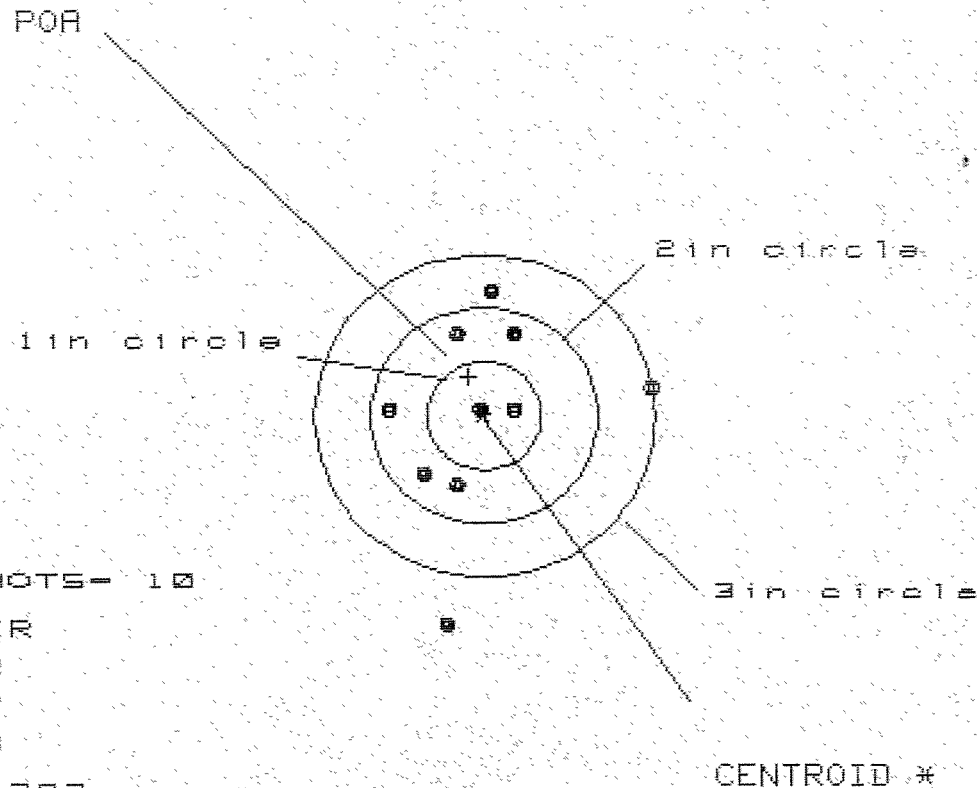
1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .009
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0514
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .052182
THE AMR FOR THIS RIFLE IS: .864

7 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8522162

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.292

VS= 3.024

GS= 3.055

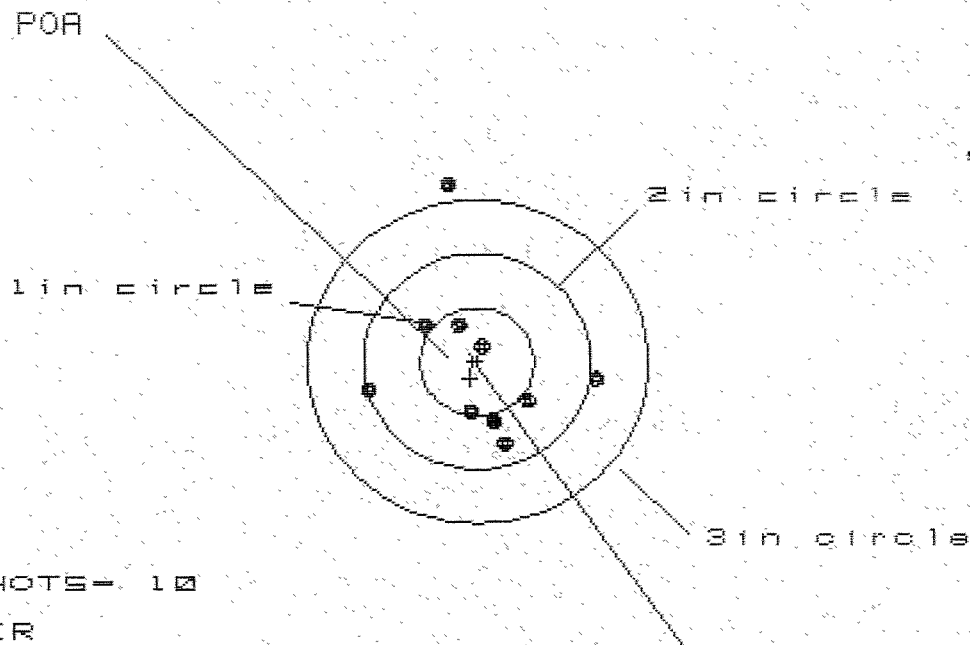
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.498	1.457	.434
MINIMUM X	-.794	-.835	-.652
MAXIMUM Y	1.127	.916	.921
MINIMUM Y	-1.897	-.816	-.811
CENTROID X	.136	.177	-.006
CENTROID Y	-.363	-.152	-.157
POR TO CENTROID in.	.387	.233	.157
MIN RADIUS	.053	.176	.198
DEAN RADIUS	.065	.737	.639
MAX RADIUS	1.932	1.458	.945
HORIZONTAL SPREAD	2.292	2.292	1.087
VERTICAL SPREAD	3.024	1.732	1.732
EXTREME SPREAD	3.055	2.296	1.761
SHOTS IN ONE INCH CIRCLE =	2		
SHOTS IN TWO INCH CIRCLE =	7		
SHOTS IN THREE INCH CIRCLE =	8		

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522162

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 2.021

VS= 2.369

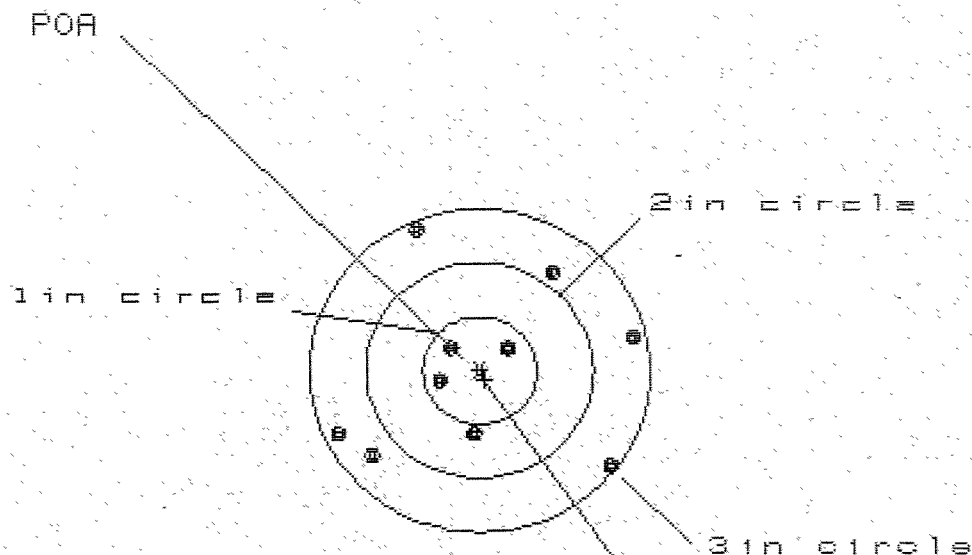
GS= 2.419

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.046	1.020	.528
MINIMUM X	-.975	-1.001	-.874
MAXIMUM Y	1.614	.556	.554
MINIMUM Y	-.755	-.575	-.577
CENTROID X	.056	.082	-.045
CENTROID Y	.155	-.025	-.023
POA TO CENTROID in.	.165	.086	.051
MIN RADIUS	.170	.269	.256
MEAN RADIUS	.720	.597	.546
MAX RADIUS	1.631	1.020	.875
HORIZONTAL SPREAD	2.021	2.021	1.402
VERTICAL SPREAD	2.369	1.131	1.131
EXTREME SPREAD	2.419	2.021	1.407
SHOTS IN ONE INCH CIRCLE	=	3	
SHOTS IN TWO INCH CIRCLE	=	8	
SHOTS IN THREE INCH CIRCLE	=	9	

7 Sep 1998

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 10

HS= 2.571

VS= 2.206

GS= 2.775

CENTROID #

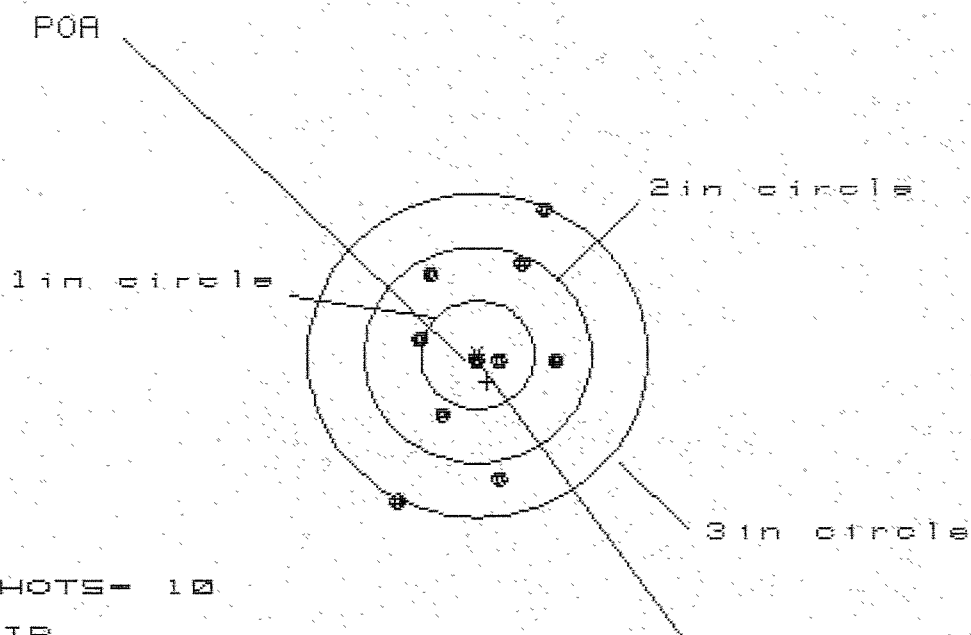
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.301	1.432	1.386
MINIMUM X	-1.270	-1.139	-1.185
MAXIMUM Y	1.310	1.210	.927
MINIMUM Y	-.896	-.919	-.768
CENTROID X	-.049	-.180	-.134
CENTROID Y	.086	.186	.035
POA TO CENTROID in.	.099	.259	.138
MIN RADIUS	.315	.260	.268
MEAN RADIUS	.962	.885	.832
MAX RADIUS	1.483	1.455	1.445
HORIZONTAL SPREAD	2.571	2.571	2.571
VERTICAL SPREAD	2.206	2.129	1.695
EXTREME SPREAD	2.775	2.726	2.726
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

7 Sep 1998

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.388

VS= 2.612

GS= 2.902

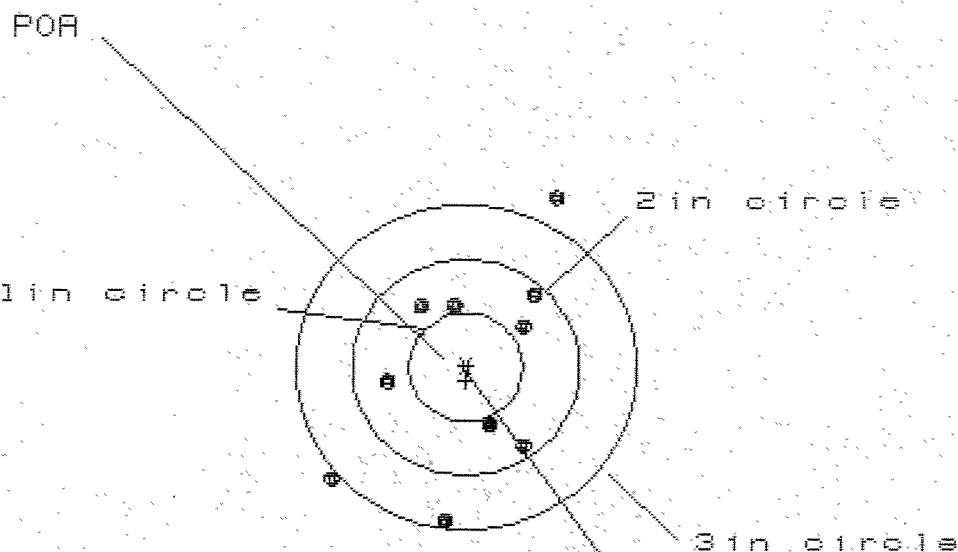
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.725	.651	.717
MINIMUM X	-.663	-.615	-.549
MAXIMUM Y	1.306	1.160	.861
MINIMUM Y	-1.306	-1.248	-1.103
CENTROID X	-.091	-.017	-.083
CENTROID Y	.251	.396	.251
POA TO CENTROID in.	.266	.396	.264
MIN RADIUS	.089	.178	.095
MEAN RADIUS	.803	.739	.641
MAX RADIUS	1.465	1.274	1.111
HORIZONTAL SPREAD	1.388	1.266	1.266
VERTICAL SPREAD	2.612	2.408	1.964
EXTREME SPREAD	2.902	2.452	1.979
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 10		

7 Sep 1998

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 7

3 in = 8

HS= 2.005

VS= 3.065

GS= 3.271

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.780	.681	.539
MINIMUM X	-1.225	-1.139	-.716
MAXIMUM Y	1.591	.841	.739
MINIMUM Y	-1.474	-1.297	-1.399
CENTROID X	-.007	-.093	.049
CENTROID Y	.128	-.049	.053
POA TO CENTROID in.	.128	.106	.072
MIN RADIUS	.541	.449	.449
MEAN RADIUS	.970	.885	.795
MAX RADIUS	1.772	1.401	1.425
HORIZONTAL SPREAD	2.005	1.820	1.255
VERTICAL SPREAD	3.065	2.138	2.138
EXTREME SPREAD	3.271	2.462	2.286
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

Remington[®]

MODEL 700[™] M24

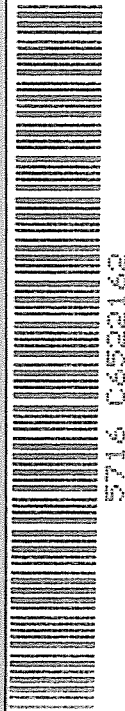
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

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

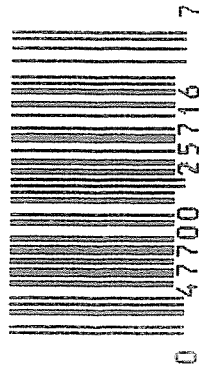
DUPONT

SERIAL NO.	06522162
ORDER NO.	5716



5716 06522162

UPC



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