

C6498855

1980

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



C6498855

1980

DU PONT RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:
[REDACTED]

" [REDACTED] [REDACTED]

COPY "O" (OFFICIAL) ☒ "X" (EXTRA) ☐

TOTAL RETENTION: [REDACTED]

GS-1050 Rev. 8/78

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

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

MODEL 700™ M24

SERIAL NO. C6498855

ORDER NO. 5716

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

UPC

0 47700 25716 7

5716 C6498855

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498855

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5	90	RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		3/17/90	FB
618	Polish Barrel RB		3/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/30/90	RM

BARBER - M24 0008984

BARBER - M24 0008984							
op. #	OP. NAME	READINGS			DATE	INIT	
625 cont.	F) Safety On Force	4 3/4	4 3/4	4 1/2	5/30/90	WLB	
	G) Safety Off Force	7 1/2	7 1/2	7 1/2	5/30/90	WLB	
	H) Trigger Pull Test & Retainability				5/30/90	JH	
	I) Firing Pin Indent	.0235	.0237	.0235	5/30/90	WLB	
	J) Assemble Stock				5/30/90	RW	
	K) Assemble Swivel Studs				6-6-90	DS	
	L) Attach Front and Rear Sight Assemblies				5/30/90	RW	
	M) Iron Sight Alignment				5/30/90	RW	
	N) Detach Front & Rear Sights & place in numbered container				5/30/90	RW	
	O) Attach Scope to Rifle				5/31/90	JH	
	P) Detach & Attach Scope 20 Times				5/31/90	JH	
640	Gallery Target & Test				6-1-90	JH	
	A) Time				"	JH	
	B) Malfunctions				"	JH	
	C) Pierced Primers				"	JH	
	D) Optical Clarity of Scope				"	JH	
645	Inspect for Live Ammo				6-1-90	JH	
655	Final Inspection						
	A) Headspace				6-8-90	QDS	
	B) Trigger Pull	283	279	277	279	289	6-6-90
	C) Function				6-6-90	DS	
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. C6498855

DATE 5/30/90

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.27	2.42	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.52	2.47	2.23	2.79	
PULL #3	2.38	2.27	2.34	2.77	
PULL #4	2.37	2.47	2.46	2.79	
PULL #5	2.36	2.43	2.43	2.89	
TOTAL	12.16	11.91	11.88		
AVG.	2.432	2.382	2.376		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.28		
PULL #2	3.35	3.32		
PULL #3	3.25	3.24		
PULL #4	3.28	3.16		
PULL #5	3.26	3.15		
TOTAL	16.36	16.15		
AVG.	3.272	3.23		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.52	4.33		4.29
PULL #2	4.34	4.37		4.30
PULL #3	4.30	4.19		4.29
PULL #4	4.37	4.26		4.21
PULL #5	4.34	4.37		4.15
TOTAL	21.87	21.52		21.24
AVG.	4.374	4.304		4.248

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498855
1 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.102396
1 TO	2	.346152
1 TO	3	.244283
1 TO	4	.213338
1 TO	5	.301204

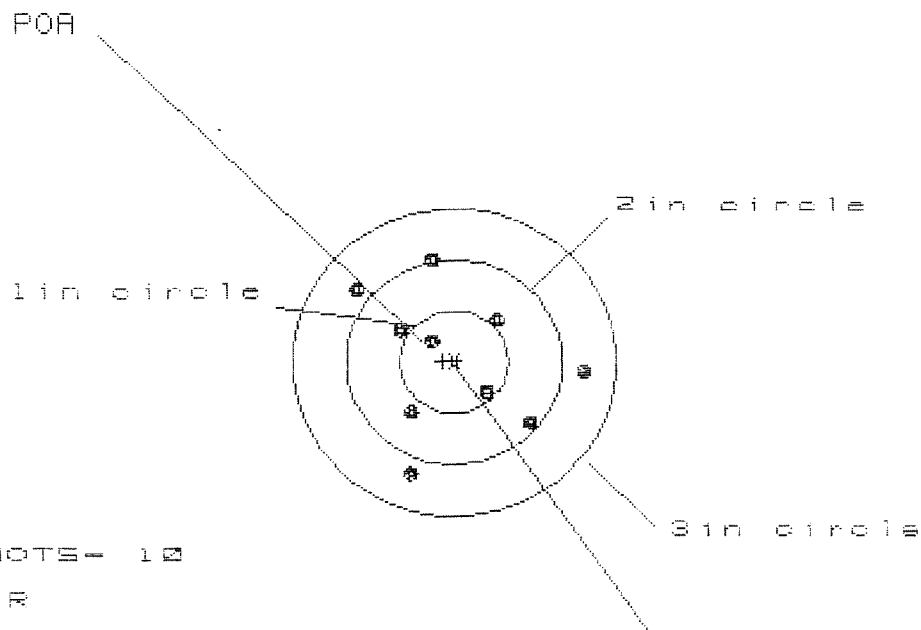
$\bar{x}_5$ ←---POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0626
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0148
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0648257
THE AMR FOR THIS RIFLE IS: .8572

1 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B855

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.140

VS= 2.135

GS= 2.264

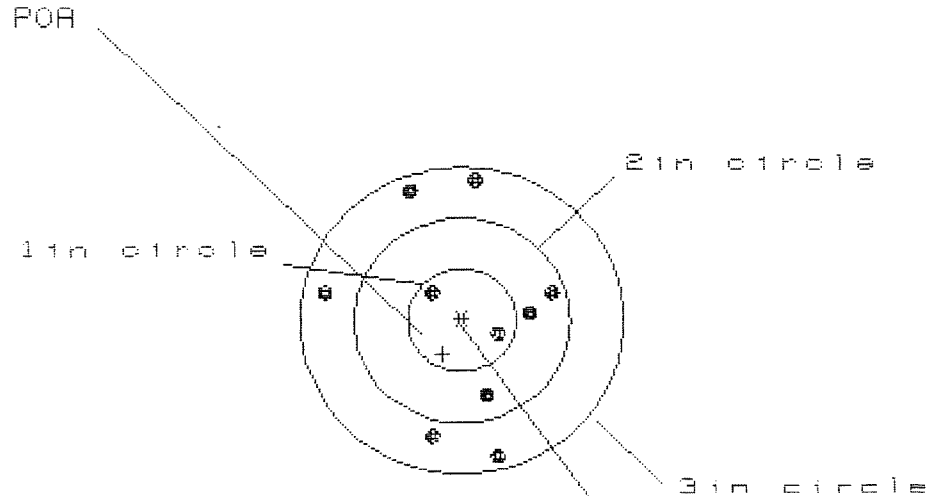
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.233	.830	.797
MINIMUM X	-.907	-.770	-.803
MAXIMUM Y	1.041	1.033	.896
MINIMUM Y	-1.094	-1.102	-.761
CENTROID X	.102	-.035	-.002
CENTROID Y	-.009	-.001	.136
POA TO CENTROID in.	.102	.035	.136
MIN RADIUS	.277	.199	.104
MEAN RADIUS	.797	.737	.669
MAX RADIUS	1.235	1.133	1.102
HORIZONTAL SPREAD	2.140	1.600	1.600
VERTICAL SPREAD	2.135	2.135	1.657
EXTREME SPREAD	2.264	2.144	2.053
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

1 Jun 1990

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.059

VS= 2.656

GS= 2.664

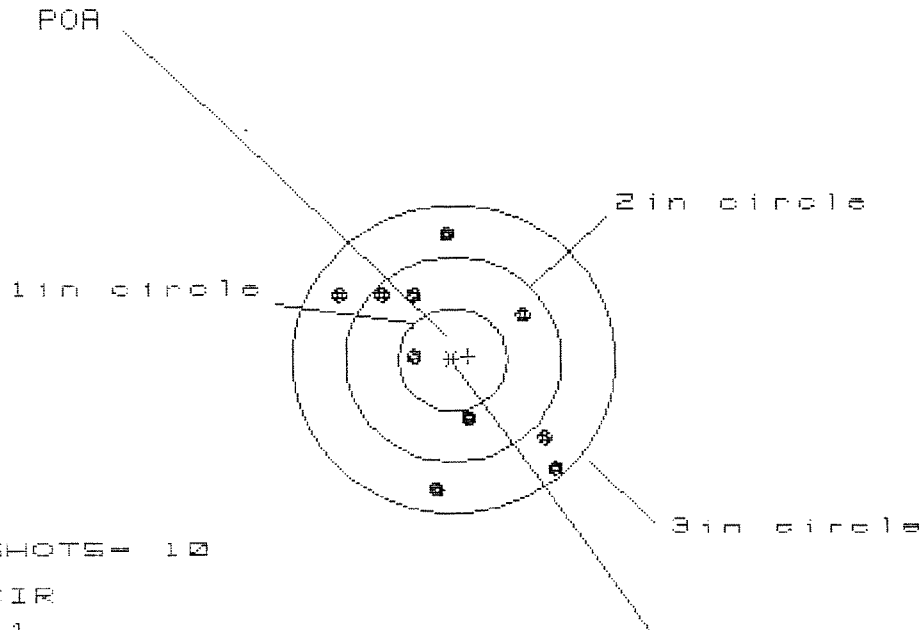
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.804	.814	.852
MINIMUM X	:	-1.255	-1.245	-1.207
MAXIMUM Y	:	1.359	1.371	1.228
MINIMUM Y	:	-1.297	-1.146	-1.165
CENTROID X	:	.172	.162	.124
CENTROID Y	:	.330	.179	.322
FOR TO CENTROID in.	:	.372	.241	.345
MIN RADIUS	:	.350	.314	.389
MEAN RADIUS	:	.952	.896	.859
MAX RADIUS	:	1.362	1.457	1.310
HORIZONTAL SPREAD	:	2.059	2.059	2.059
VERTICAL SPREAD	:	2.656	2.517	2.393
EXTREME SPREAD	:	2.664	2.640	2.404
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Jun 1998

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 2.031

VS = 2.487

GS = 2.663

CENTROID #

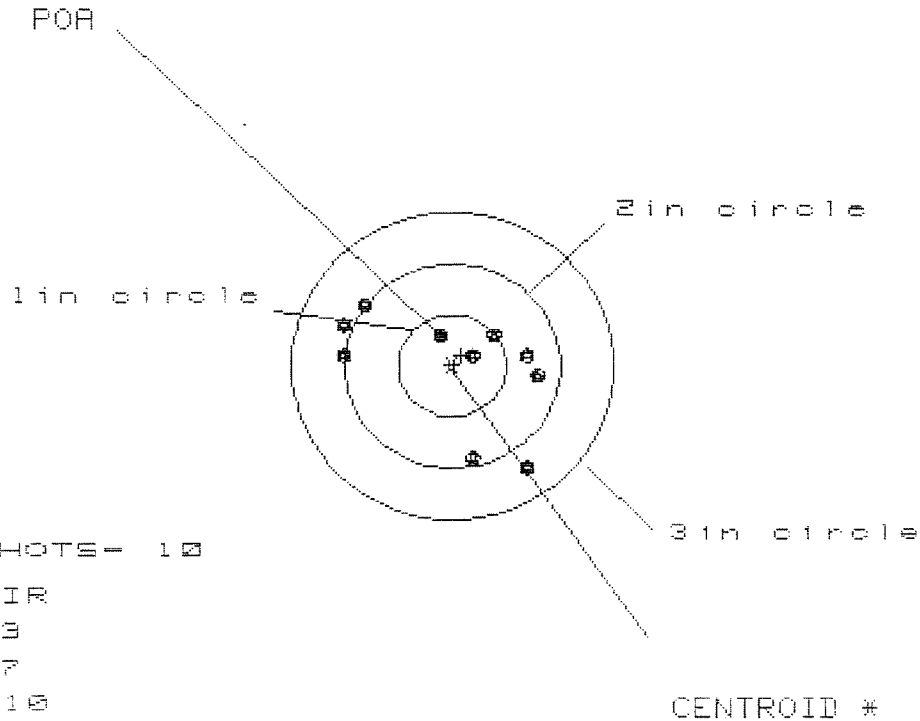
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.989	.930	.943
MINIMUM X	-1.042	-.932	-.919
MAXIMUM Y	1.263	1.142	.653
MINIMUM Y	-1.224	-1.345	-1.202
CENTROID X	-.141	-.251	-.264
CENTROID Y	-.034	.087	-.056
POA TO CENTROID in.	.145	.266	.270
MIN RADIUS	.346	.254	.227
MEAN RADIUS	.965	.883	.849
MAX RADIUS	1.470	1.347	1.203
HORIZONTAL SPREAD	2.031	1.862	1.862
VERTICAL SPREAD	2.487	2.487	1.865
EXTREME SPREAD	2.663	2.493	2.326
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

1 Jun 1998

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.763

VS= 1.617

GS= 2.145

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.772	.843	.729
MINIMUM X	:	-.991	-.920	-1.020
MAXIMUM Y	:	.647	.540	.574
MINIMUM Y	:	-.970	-.959	-.925
CENTROID X	:	-.090	-.161	-.046
CENTROID Y	:	-.102	.005	-.029
POA TO CENTROID in.	:	.136	.162	.055
MIN RADIUS	:	.228	.182	.152
MEAN RADIUS	:	.757	.699	.646
MAX RADIUS	:	1.164	1.000	1.020
HORIZONTAL SPREAD	:	1.763	1.763	1.748
VERTICAL SPREAD	:	1.617	1.499	1.499
EXTREME SPREAD	:	2.145	1.826	1.789
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Jun 1990

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 2.104

VS = 1.830

GS = 2.451

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.266	1.040	.964
MINIMUM X	:	-.838	-.697	-.567
MAXIMUM Y	:	.829	.756	.839
MINIMUM Y	:	-1.001	-1.074	-.991
CENTROID X	:	.270	.129	-.001
CENTROID Y	:	-.259	-.186	-.269
POA TO CENTROID in.	:	.374	.227	.269
MIN RADIUS	:	.135	.068	.137
MEAN RADIUS	:	.815	.727	.645
MAX RADIUS	:	1.427	1.235	.991
HORIZONTAL SPREAD	:	2.104	1.737	1.531
VERTICAL SPREAD	:	1.830	1.830	1.830
EXTREME SPREAD	:	2.451	2.090	1.878
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	