

C6636096

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.

Remington

Remington
MODEL 700TM M24

DU PONT
REG. U.S. PAT. & TM. OFF.

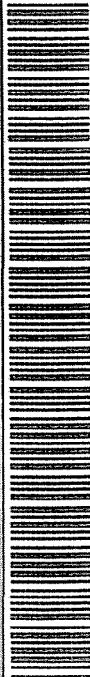
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6636096

ORDER NO.
5716

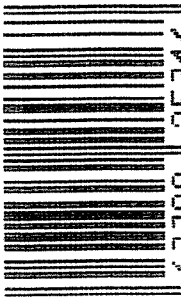
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6636096

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636096

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8	91	RW
600	Proof	4 8	91	RW
607	Check Headspace	4 8	91	RW
610	Dis-assemble Gun	4 8	91	RW
612	Magnaflux Barrel Action	APR	9 1991	KR
	Magnaflux Bolt	APR	9 1991	LC
615	Rollmark Caliber	APR	9 1991	LG
617	Drill and Tap Sight Holes	APR	9 1991	FB
618	Polish Barrel	APR	9 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/14/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	RW
	C) Inspect Ejector Hole for Chamfer		5/14/91	RW
	D) Oil Firing Pin Ass'y		5/14/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5-16-91	TH

op. #	BARBER - M24 0037649	READINGS	DATE	INIT
625 cont.	F) Safety On Force	5 : 5 : 5	5-16-91	SL
	G) Safety Off Force	4 : 4 : 4	5-16-91	SL
	H) Trigger Pull Test & Retainability		5-16-91	SL
	I) Firing Pin Indent	.0205 : .0205 : .0205	5-16-91	SL
	J) Assemble Stock		5/18/91	RW
	K) Assemble Swivel Studs		5-21-91	D/H
	L) Attach Front and Rear Sight Assemblies		5/18/91	RW
	M) Iron Sight Alignment		5/18/91	RW
	N) Detach Front & Rear Sights & place in numbered container		5/18/91	RW
	O) Attach Scope to Rifle		5/18/91	RW
	P) Detach & Attach Scope 20 Times		5/18/91	RW
640	Gallery Target & Test		5/20/91	KJ
	A) Time			KJ
	B) Malfunctions			KJ
	C) Pierced Primers			KJ
	D) Optical Clarity of Scope			KJ
645	Inspect for Live Ammo		5/20/91	KJ
655	Final Inspection			
	A) Headspace		5-21-91	D/H
	B) Trigger Pull	2.26 : 2.35 : 2.41 : 2.53 : 2.57	5/21/91	SL
	C) Function		5-21-91	D/H
660	Pack		6-17-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6636096

DATE 5-16-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.21	2.27	2.26	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.24	2.41	2.35	
PULL #3	2.27	2.23	2.23	2.41	
PULL #4	2.23	2.38	2.39	2.53	
PULL #5	2.21	2.36	2.40	2.51	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.30		
PULL #2	3.32	3.35		
PULL #3	3.36	3.42		
PULL #4	3.40	3.41		
PULL #5	3.33	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.33		4.34
PULL #2	4.25	4.21		4.36
PULL #3	4.25	4.33		4.35
PULL #4	4.26	4.28		4.21
PULL #5	4.25	4.26		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636096
20 May 1991

CENTROIDAL DISTANCES

0 TO	1	.15412
1 TO	2	.177496
1 TO	3	.396445
1 TO	4	.0878635
1 TO	5	.0588218

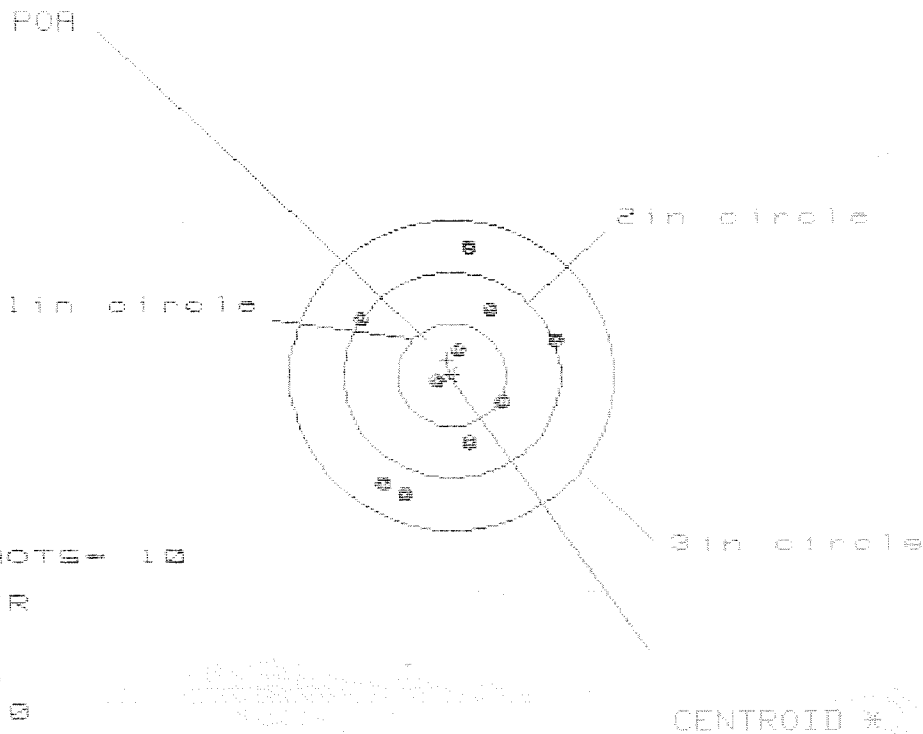
(----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0482
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0688
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .984064
THE AMR FOR THIS RIFLE IS: 1.119

20 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636096

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 1.883

VS= 2.483

GS= 2.539

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.085	1.028	.945
MINIMUM X	-.878	-.855	-.938
MAXIMUM Y	1.296	.806	.659
MINIMUM Y	-1.107	-.963	-1.088
CENTROID X	.843	.020	.103
CENTROID Y	-.148	-.292	-.175
POA TO CENTROID in.	.154	.293	.203
MIN RADIUS	.156	.176	.214
MEAN RADIUS	.821	.766	.702
MAX RADIUS	1.312	1.149	1.197
HORIZONTAL SPREAD	1.883	1.883	1.883
VERTICAL SPREAD	2.483	1.769	1.769
EXTREME SPREAD	2.539	2.209	2.056

NUMBER IN ONE INCH CIRCLE = 2
 NUMBER IN TWO INCH CIRCLE = 5
 NUMBER IN THREE INCH CIRCLE = 10

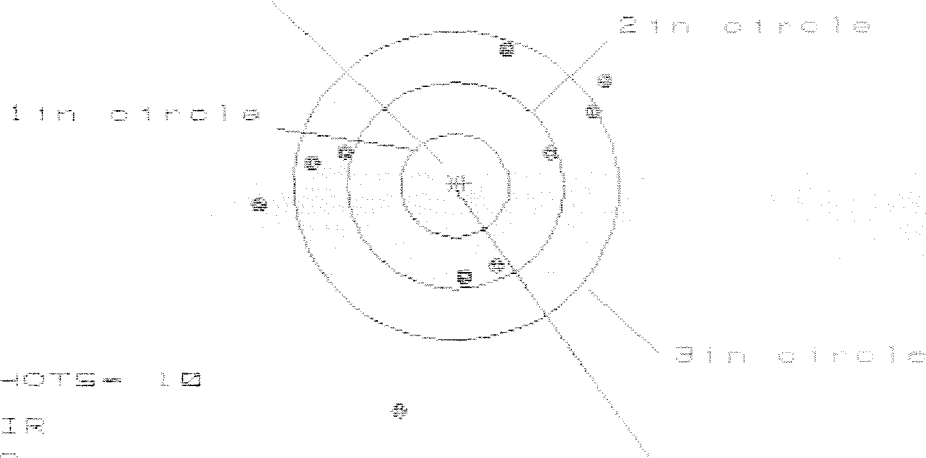
BARBER - M24 0037653

28 May 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C6836096

CENTERFIRE PATTERNS # 2

POB



OF SHOTS = 10

IN CIR

1in = 0

2in = 3

3in = 7

HS = 3.167

VS = 3.485

GS = 3.684

CENTROID #

PATTERN #

:

2

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.394

1.341

1.112

MINIMUM X

:

1.372

1.226

1.502

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
 KINZER V. REMINGTON

BARBER - M24 0037692

MAXIMUM Y :	1.342	1.102	1.050
MIN BARBER- M24 0037654	-2.153	-1.145	-1.197
CENTROID X :	-.081	-.028	.201
CENTROID Y :	-.021	.219	.271
POA TO CENTROID in.:	.083	.220	.337
MIN RADIUS :	.910	.814	.581
MEAN RADIUS :	1.378	1.272	1.162
MAX RADIUS :	2.205	1.874	1.564
HORIZONTAL SPREAD :	3.167	3.167	2.676
VERTICAL SPREAD :	3.495	2.247	2.247
EXTREME SPREAD :	3.684	3.387	2.784
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

20 May 1991

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.540

VS= 3.907

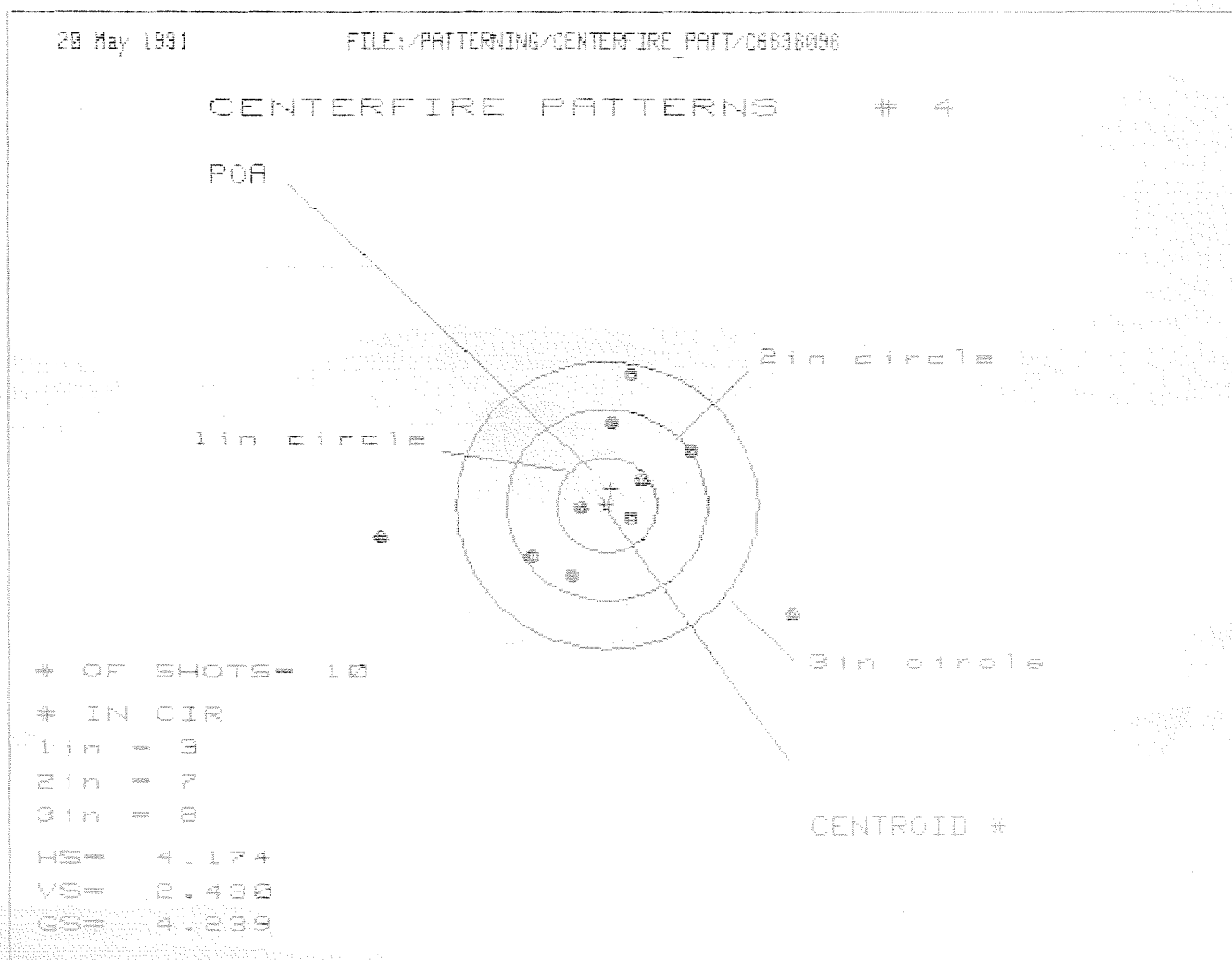
GS= 3.920

CENTROID #

PATTERN #

3

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.287	1.190	1.109
MINIMUM X	-1.253	-1.350	-1.431
MAXIMUM Y	2.585	.756	.626
MINIMUM Y	-1.322	-1.034	-.566
CENTROID X	-.169	-.072	.009
CENTROID Y	.187	-.101	.029
POB TO CENTROID in.	.252	.124	.030
MIN RADIUS	.196	.021	.148
MEAN RADIUS	1.021	.769	.694
MAX RADIUS	2.728	1.353	1.432
HORIZONTAL SPREAD	2.540	2.540	2.540
VERTICAL SPREAD	3.907	1.790	1.192
EXTREME SPREAD	3.920	2.554	2.554
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

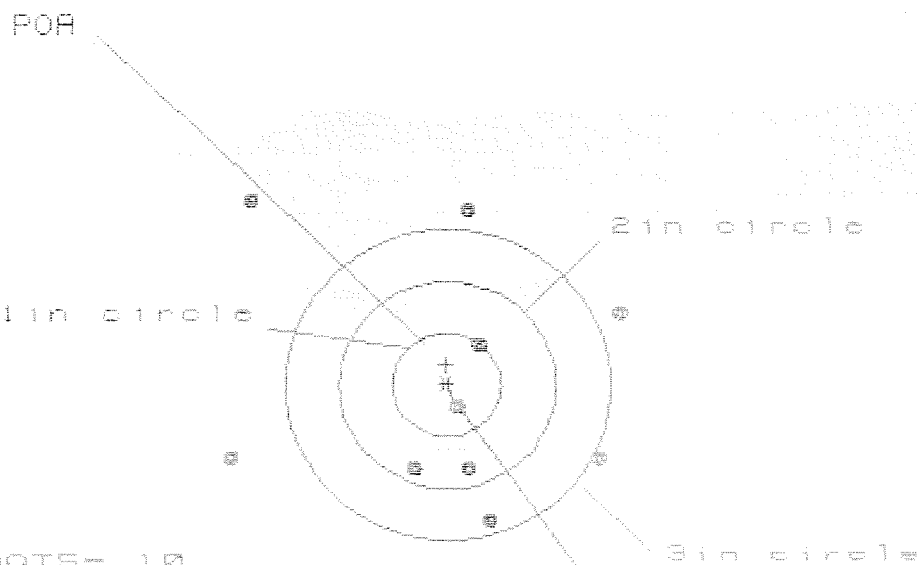


SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.882	1.627	.765
MINIMUM X	:	-2.292	-.980	-.777
MAXIMUM Y	:	1.317	1.276	1.131
MINIMUM Y	:	-1.113	-1.154	-.969
CENTROID X	:	-.043	.212	.009
CENTROID Y	:	-.166	-.125	.020
POA TO CENTROID in.	:	.171	.246	.022
MIN RADIUS	:	.226	.206	.267
MEAN RADIUS	:	1.043	.887	.733
MAX RADIUS	:	2.322	1.995	1.152
HORIZONTAL SPREAD	:	4.174	2.607	1.542
VERTICAL SPREAD	:	2.430	2.430	2.100
EXTREME SPREAD	:	4.239	2.916	2.188
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

20 May 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 5

FFSFE 181

CENTROID #

VS= 3.106
GS= 4.073

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.573	1.374	1.104
MINIMUM X	-1.960	-2.159	-.733
MAXIMUM Y	1.797	1.867	1.801
MINIMUM Y	-1.309	-1.109	-1.175
CENTROID X	.009	.209	.479
CENTROID Y	-.196	-.396	-.330
POB TO CENTROID in.	.196	.447	.582
MIN RADIUS	.220	.118	.394
MEAN RADIUS	1.331	1.137	1.021
MAX RADIUS	2.540	2.221	1.827
HORIZONTAL SPREAD	3.533	3.533	1.837
VERTICAL SPREAD	3.106	2.976	2.976
EXTREME SPREAD	4.073	3.817	2.981
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		5	