

C6349173

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Repair Number: RE00075861	Serial: C6349173 Model: 700 Center Fire Caliber: 7.62 NATO M24 SWS	Repairman:	Status: Closed 1/19/2004 12:51:33 PM
Verify Repair:			

Address Information

Customer:	☒ Received From	Return To:	☐ Received From
Name:	TRANSPORTATION OFFICE	Name:	TRANSPORTATION OFFICE
Address 1:	BLDG 330	Address 1:	BLDG 330
Address 2:	4851 CHILES AVE PO Box:	Address 2:	4851 CHILES AVE PO Box:
City:	FORT CARSON	City:	FORT CARSON
State:	CO Zip Code: 80913 Country: US	State:	CO Zip Code: 80913 Country: US

ScreenPrint32 v3.1 - Currently Unregistered
 Printing image to '<Default Printer>'. Please Wait...

Contact / Condition Contact Information Phone: 719 526 4211 Fax: Email: Comments:	Condition: Notes: CSR Notes:	Shipping / Billing Received: <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Studs</td> <td>3</td> </tr> <tr> <td>A017</td> <td>Scope Bases</td> <td>3</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A007	With Studs	3	A017	Scope Bases	3	A026	Scope	1
Code	Desc	Qty												
A007	With Studs	3												
A017	Scope Bases	3												
A026	Scope	1												

Repair Search

Refresh

Close

negatej

1/19/2004

12:53 PM

CAPS

NUM

INS

SCPL

start

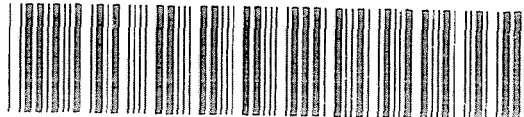
4

2

Serial Number:

C6349173

Model: 700



RE00075861

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349173.__0
FILE DATE AND TIME: 02/02/2004 07:22

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.050
The Average Y Centroid of the Five Target Set:	-0.081
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.886
The Distance from POA to Centroid Target #1:	0.257
The Distance from Centroid Target #2 to Centroid Target #1:	0.235
The Distance from Centroid Target #3 to Centroid Target #1:	0.203
The Distance from Centroid Target #4 to Centroid Target #1:	0.589
The Distance from Centroid Target #5 to Centroid Target #1:	0.321

SERIAL NUMBER: C6349173. 0

TARGET NUMBER: 1

FILE DATE: 02/02/2004

FILE TIME: 07:22

X CENTROID: -0.064

Y CENTROID: -0.249

POA TO CENTROID: 0.257

HORZ SPREAD: 2.996

VERT SPREAD: 3.126

GROUP SPREAD: 3.056

MIN RADIUS: 0.576

MAX RADIUS: 1.760

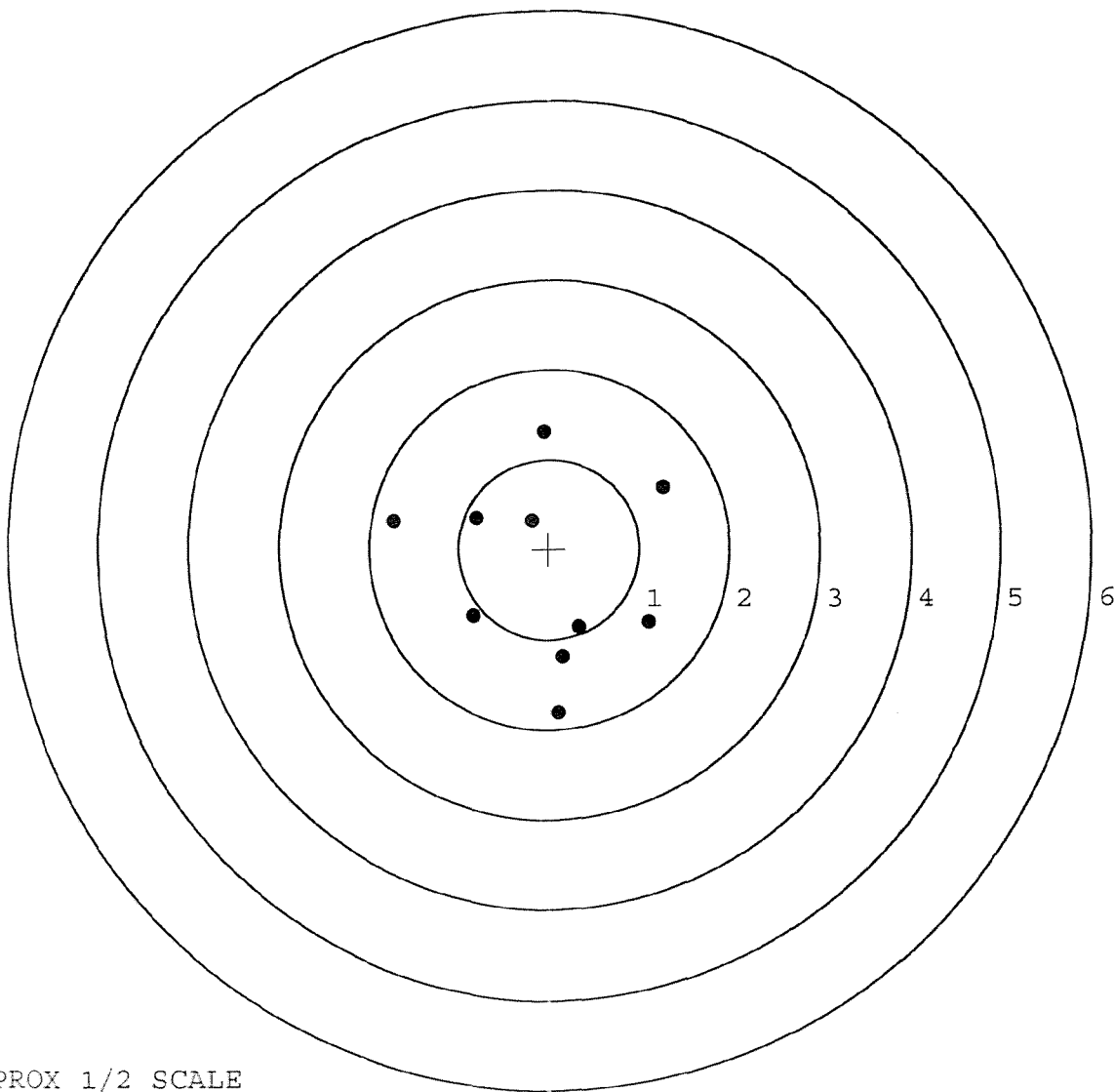
MEAN RADIUS: 1.197

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.108	-1.818
2:	0.156	-1.194
3:	0.329	-0.871
4:	1.106	-0.820
5:	-0.838	-0.747
6:	-1.732	0.313
7:	-0.800	0.342
8:	-0.187	0.314
9:	-0.050	1.308
10:	1.264	0.681



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349173. 0

TARGET NUMBER: 2

FILE DATE: 02/02/2004

FILE TIME: 07:22

X CENTROID: -0.230

Y CENTROID: -0.083

POA TO CENTROID: 0.244

HORZ SPREAD: 1.594

VERT SPREAD: 2.146

GROUP SPREAD: 2.079

MIN RADIUS: 0.458

MAX RADIUS: 1.098

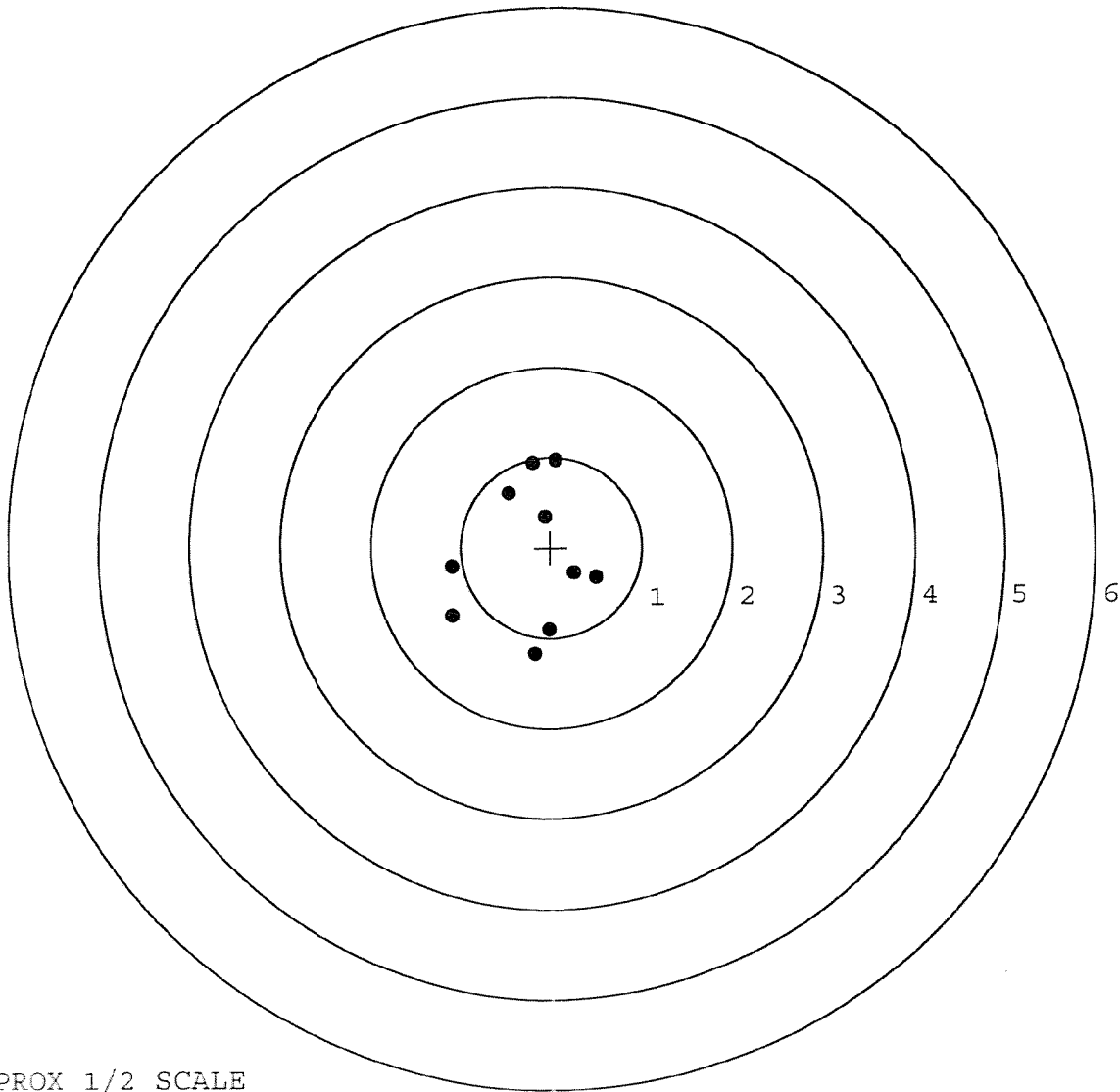
MEAN RADIUS: 0.852

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.184	-1.179
2:	-0.020	-0.914
3:	-1.097	-0.756
4:	-1.095	-0.208
5:	0.497	-0.336
6:	0.258	-0.283
7:	-0.064	0.344
8:	-0.465	0.602
9:	-0.195	0.936
10:	0.066	0.967



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349173. __0

TARGET NUMBER: 3

FILE DATE: 02/02/2004

FILE TIME: 07:22

POINT#	X	Y
1:	1.207	-1.278
2:	0.789	-0.896
3:	-1.250	-0.092
4:	-0.219	-0.499
5:	0.243	-0.168
6:	0.526	-0.041
7:	-0.113	0.130
8:	-0.288	0.550
9:	0.016	0.769
10:	-0.089	0.444

X CENTROID: 0.082

Y CENTROID: -0.108

POA TO CENTROID: 0.136

HORZ SPREAD: 2.457

VERT SPREAD: 2.047

GROUP SPREAD: 2.728

MIN RADIUS: 0.172

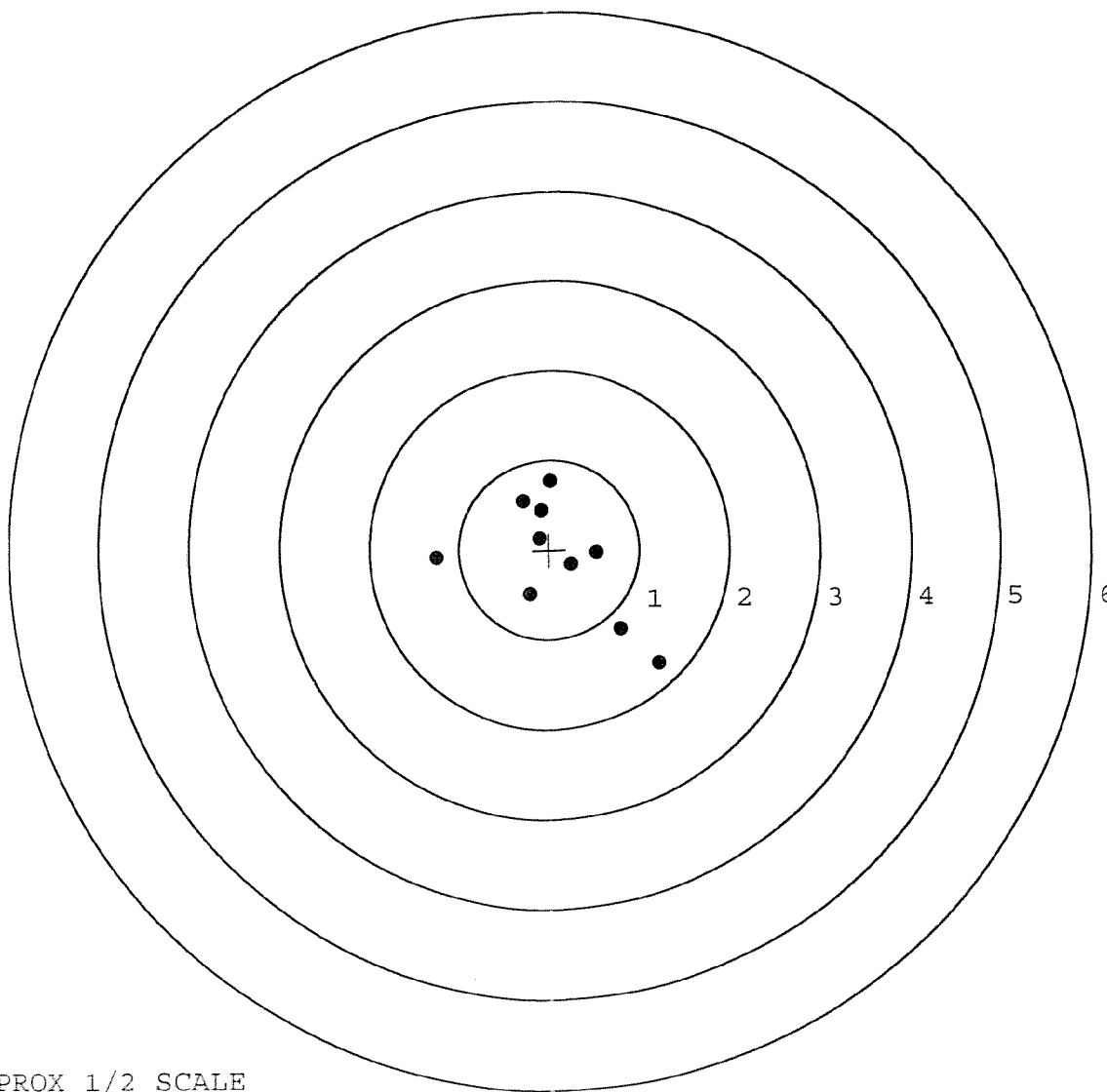
MAX RADIUS: 1.623

MEAN RADIUS: 0.765

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349173. __0

TARGET NUMBER: 4

FILE DATE: 02/02/2004

FILE TIME: 07:22

POINT#	X	Y
1:	1.275	-0.682
2:	0.944	-1.511
3:	0.333	-0.768
4:	0.014	-0.710
5:	1.149	0.110
6:	1.043	0.661
7:	0.359	0.745
8:	0.386	1.314
9:	-0.262	0.112
10:	-0.396	0.383

X CENTROID: 0.485

Y CENTROID: -0.035

POA TO CENTROID: 0.486

HORZ SPREAD: 1.671

VERT SPREAD: 2.825

GROUP SPREAD: 2.880

MIN RADIUS: 0.680

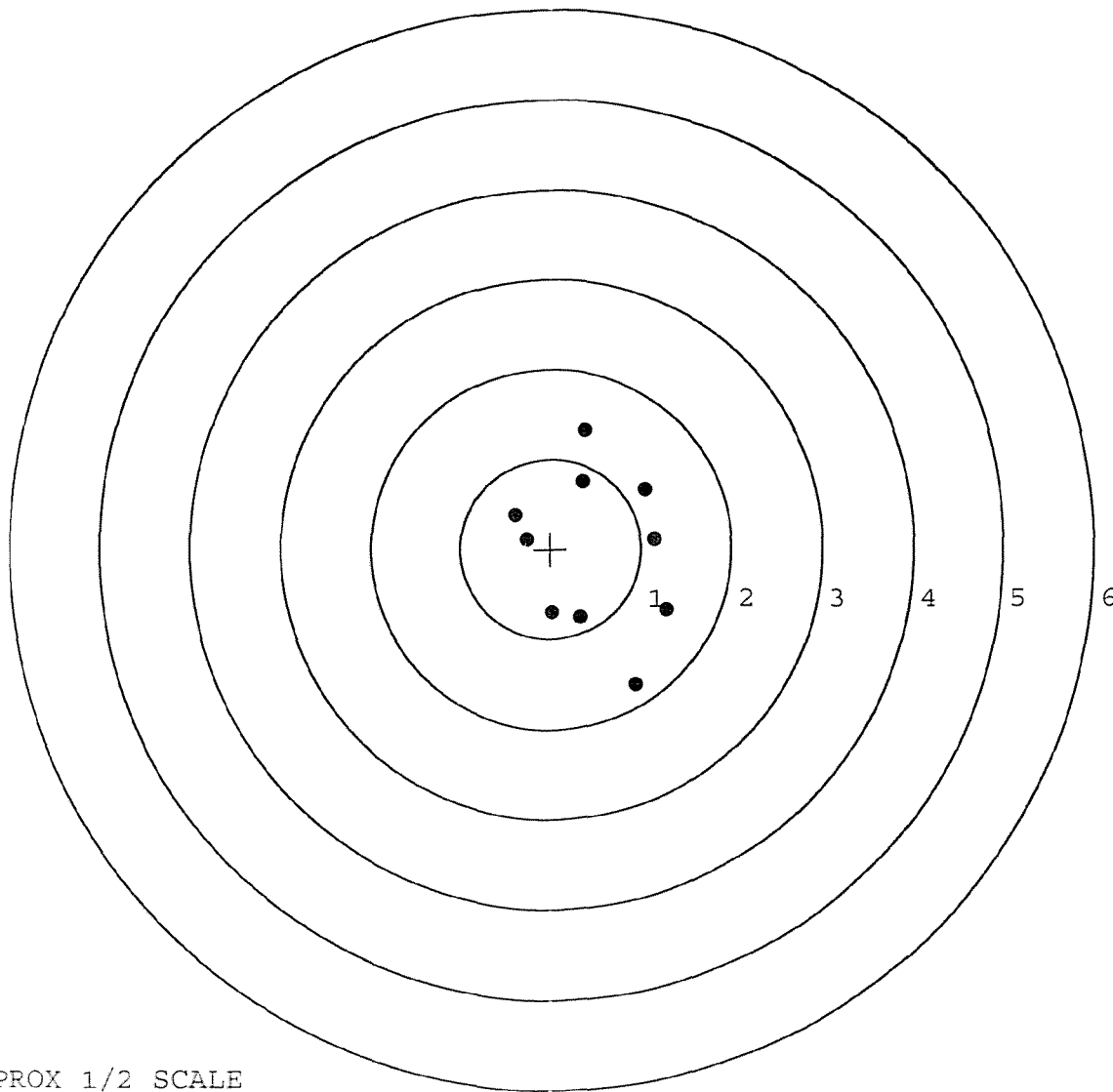
MAX RADIUS: 1.546

MEAN RADIUS: 0.959

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349173. 0

TARGET NUMBER: 5

FILE DATE: 02/02/2004

FILE TIME: 07:22

POINT#	X	Y
1:	-0.440	-1.438
2:	0.965	0.917
3:	-0.437	0.530
4:	-0.723	0.669
5:	0.133	0.610
6:	0.330	0.008
7:	0.082	-0.450
8:	-0.298	-0.175
9:	0.077	-0.139
10:	0.068	0.161

X CENTROID: -0.024

Y CENTROID: 0.069

POA TO CENTROID: 0.073

HORZ SPREAD: 1.688

VERT SPREAD: 2.355

GROUP SPREAD: 2.742

MIN RADIUS: 0.130

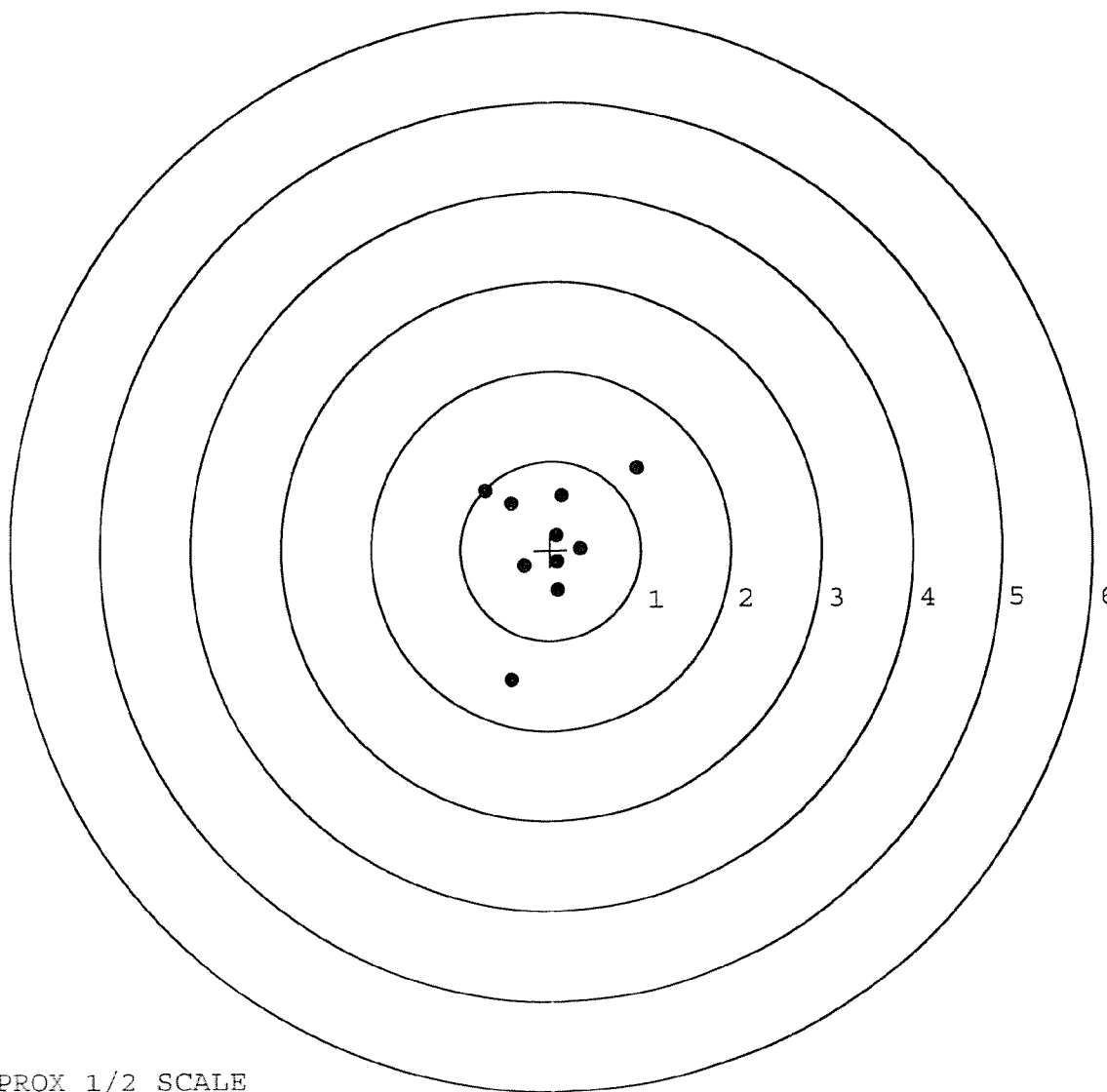
MAX RADIUS: 1.564

MEAN RADIUS: 0.659

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 **M2400109466**

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349173

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action		11/2/89	KCR
	Magnaflux Bolt		11/4/89	KCR
615	Rollmark Caliber		11/2/89	G.S.
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11-8-89	AC
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-8-89	AC
	C) Inspect Ejector Hole for Chamfer		11-8-89	AC
	D) Oil Firing Pin Ass'y		11-8-89	AC
	E) Adjust Trigger Pull to Min Setting and Stake		11/6/89	JS

BARBER - M24 0109429								
op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	6	6	6	11-16-89	JH		
	G) Safety Off Force	4	4	4	11-16-89	JH		
	H) Trigger Pull Test & Retainability				16 Nov 89	JH		
	I) Firing Pin Indent	.0215	.0215	.0215	11-16-89	JH		
	J) Assemble Stock				11-17-89	AC		
	K) Assemble Swivel Studs				28 Nov 89	JH		
	L) Attach Front and Rear Sight Assemblies				11-17-89	AC		
	M) Iron Sight Alignment				11-17-89	AC		
	N) Detach Front & Rear Sights & place in numbered container				11-17-89	AC		
	O) Attach Scope to Rifle				17 Nov 89	JH		
	P) Detach & Attach Scope 20 Times				17 Nov 89	JH		
640	Gallery Target & Test				11-28-89	JH		
	A) Time				11-28-89	JH		
	B) Malfunctions				11-28-89	JH		
	C) Pierced Primers				11-28-89	JH		
	D) Optical Clarity of Scope				11-28-89	JH		
645	Inspect for Live Ammo				11-28-89	JH		
655	Final Inspection							
	A) Headspace				28 Nov 89	JH		
	B) Trigger Pull	254	274	238	239	246	28 Nov 89	JH
	C) Function						28 Nov 89	JH
660	Pack						18 Dec 89	JH

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

SERIAL NO. 66348717 ⁹¹²³DATE 17 Oct 89TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	230	262	250	258	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	230	254	240	259	
PULL #3	235	245	241	245	
PULL #4	232	248	241	253	
PULL #5	231	250	242	242	
TOTAL	1058	1259	1224	1257	
AVG.	211.6	251.8	244.8	251.4	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	315	315		
PULL #2	304	316		
PULL #3	300	305		
PULL #4	304	303		
PULL #5	303	303		
TOTAL	1526	1542		
AVG.	3.052	3.084		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	426	413		457
PULL #2	435	399		469
PULL #3	437	423		466
PULL #4	437	424		469
PULL #5	424	414		469
TOTAL	2149	2073		2330
AVG.	4.298	4.146		4.66

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349173
28 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.508985
1 TO	2	.653193
1 TO	3	.664877
1 TO	4	.338576
1 TO	5	.588307

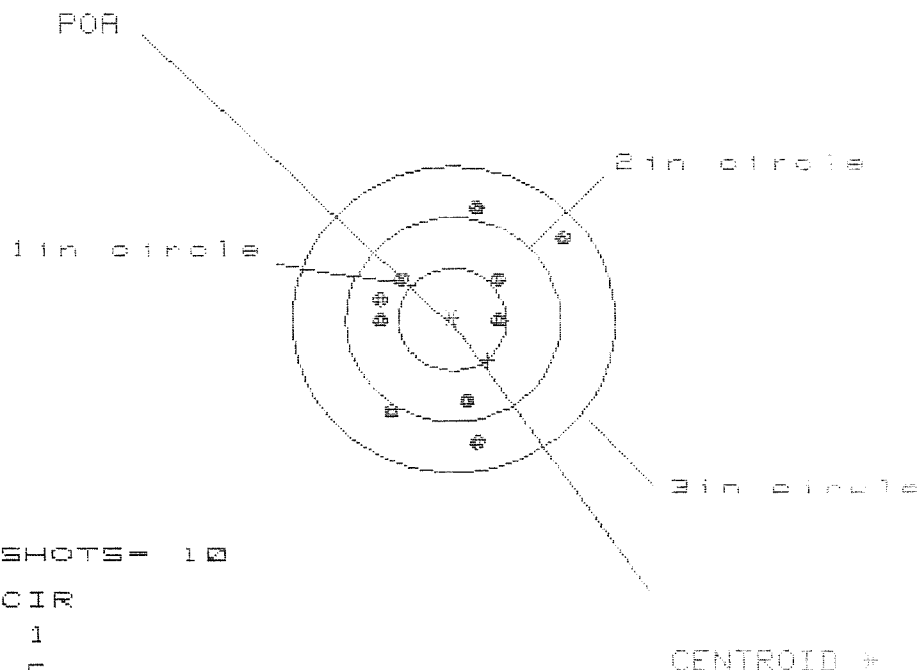
$\frac{1}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.215
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0196
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .215892
THE AMR FOR THIS RIFLE IS: .8946

20 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8349173

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 1.678

VS= 2.304

GS= 2.305

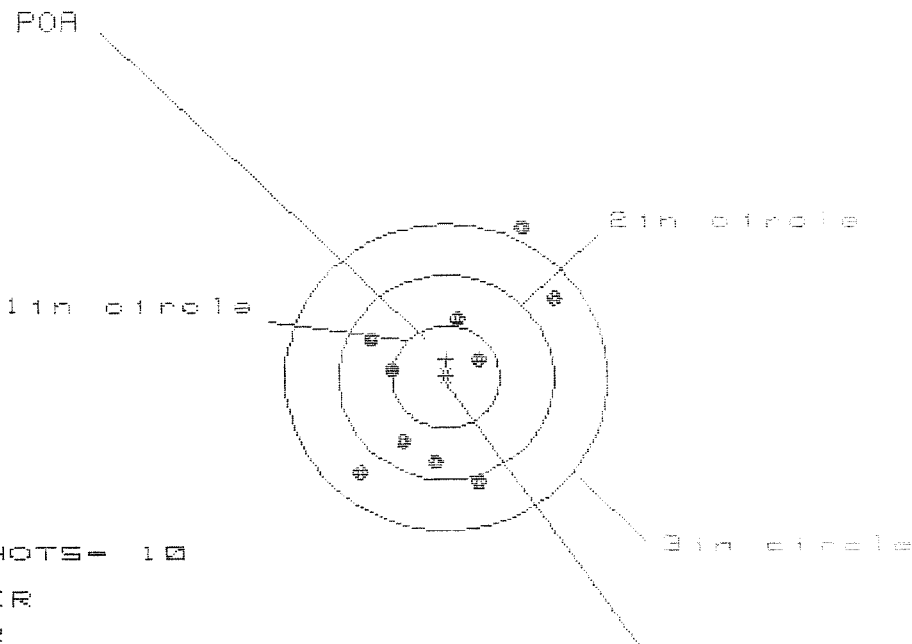
PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.999	.556	.682
MINIMUM X	:	-.679	-.568	-.522
MAXIMUM Y	:	1.144	1.230	1.096
MINIMUM Y	:	-1.160	-1.074	-.912
CENTROID X	:	-.321	-.432	-.478
CENTROID Y	:	.395	.309	.443
POA TO CENTROID in.	:	.509	.531	.652
MIN RADIUS	:	.447	.558	.449
MEAN RADIUS	:	.842	.786	.724
MAX RADIUS	:	1.264	1.269	1.153
HORIZONTAL SPREAD	:	1.678	1.124	1.124
VERTICAL SPREAD	:	2.304	2.304	2.008
EXTREME SPREAD	:	2.305	2.305	2.160
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

28 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348173

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 1.737

VS= 2.500

GS= 2.774

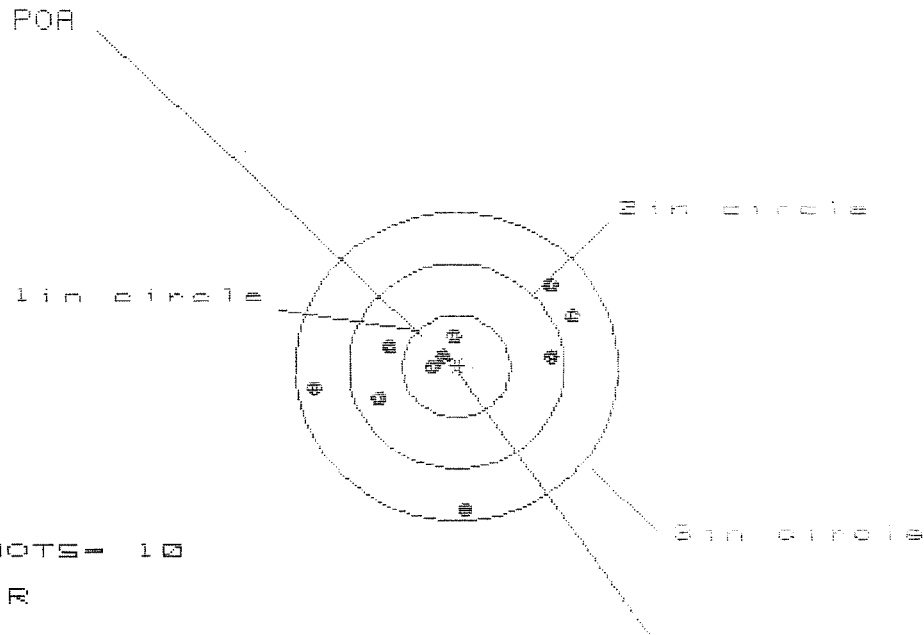
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.959	1.038	.556
MINIMUM X	:	-.778	-.699	-.569
MAXIMUM Y	:	1.452	.894	.847
MINIMUM Y	:	-1.048	-.887	-.775
CENTROID X	:	-.002	-.081	-.211
CENTROID Y	:	-.175	-.336	-.448
POA TO CENTROID in.	:	.175	.346	.495
MIN RADIUS	:	.364	.452	.377
MEAN RADIUS	:	.886	.788	.693
MAX RADIUS	:	1.617	1.370	.954
HORIZONTAL SPREAD	:	1.737	1.737	1.125
VERTICAL SPREAD	:	2.500	1.781	1.622
EXTREME SPREAD	:	2.774	2.375	1.774
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Nov 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06349173

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.381

VS= 2.201

GS= 2.494

CENTROID #

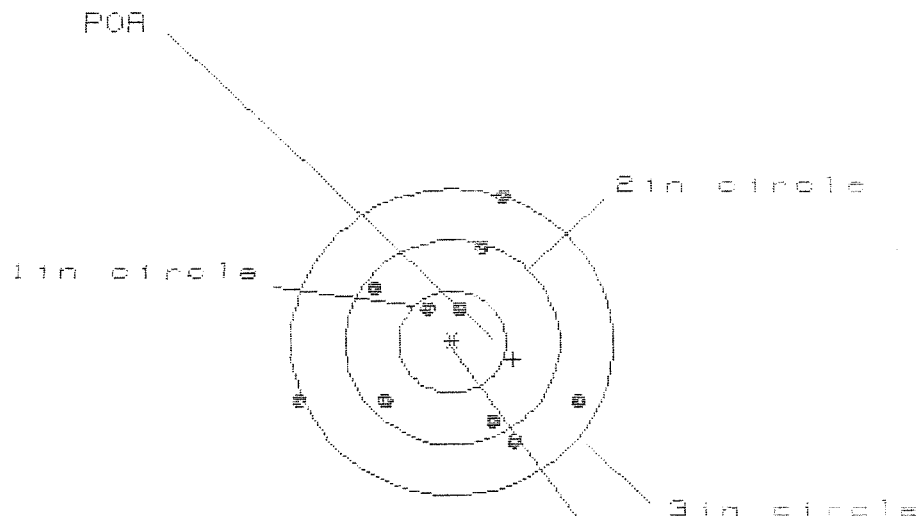
PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.088	1.101	.941
MINIMUM X	:	-1.293	-1.280	-.906
MAXIMUM Y	:	.796	.640	.590
MINIMUM Y	:	-1.405	-.500	-.558
CENTROID X	:	.124	.111	.271
CENTROID Y	:	-.099	.057	.107
POA TO CENTROID in.	:	.159	.125	.291
MIN RADIUS	:	.122	.103	.227
MEAN RADIUS	:	.824	.738	.687
MAX RADIUS	:	1.410	1.340	1.060
HORIZONTAL SPREAD	:	2.381	2.381	1.847
VERTICAL SPREAD	:	2.201	1.140	1.140
EXTREME SPREAD	:	2.494	2.494	2.032
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

28 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8849173

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.527

VS= 2.434

GS= 2.684

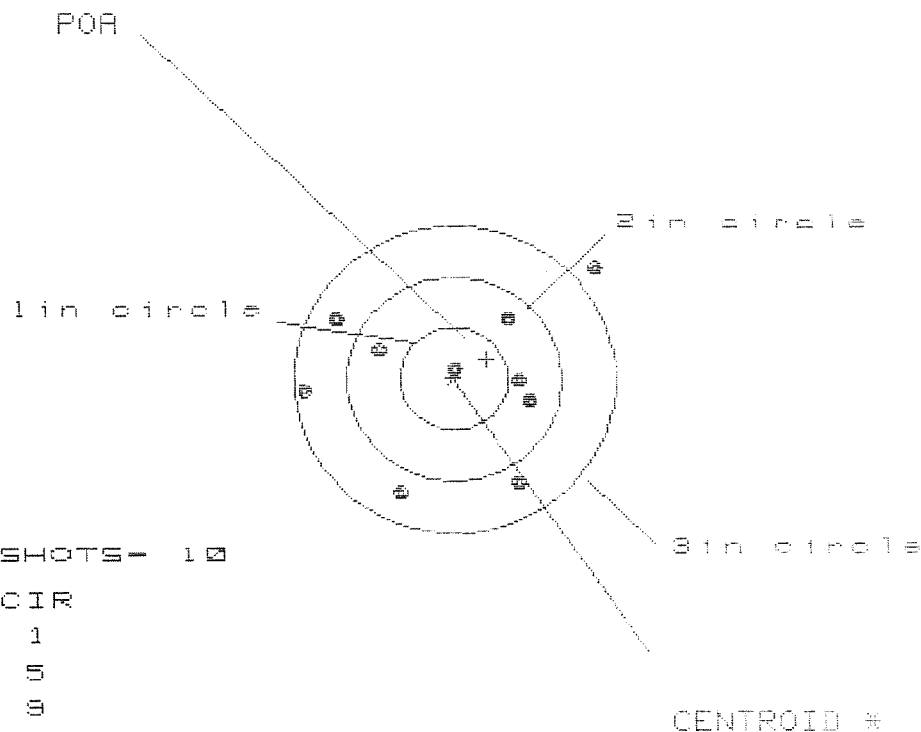
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.135	1.186	1.019
MINIMUM X	-1.392	-1.341	-1.804
MAXIMUM Y	1.421	1.073	1.027
MINIMUM Y	-1.013	-1.855	-1.901
CENTROID X	-0.574	-0.625	-0.458
CENTROID Y	0.170	0.012	0.058
POA TO CENTROID in.	0.599	0.626	0.461
MIN RADIUS	0.324	0.464	0.442
MEAN RADIUS	0.967	0.915	0.847
MAX RADIUS	1.494	1.389	1.111
HORIZONTAL SPREAD	2.527	2.527	1.823
VERTICAL SPREAD	2.434	1.928	1.928
EXTREME SPREAD	2.684	2.527	2.136
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06349173

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.628

VS= 2.267

GS= 2.894

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.266	.862	.710
MINIMUM X	:	-1.362	-1.222	-1.067
MAXIMUM Y	:	1.112	.676	.679
MINIMUM Y	:	-1.155	-1.032	-1.029
CENTROID X	:	-.302	-.442	-.298
CENTROID Y	:	-.193	-.316	-.319
POA TO CENTROID in.	:	.358	.544	.431
MIN RADIUS	:	.053	.209	.178
MEAN RADIUS	:	.954	.889	.822
MAX RADIUS	:	1.684	1.222	1.261
HORIZONTAL SPREAD	:	2.628	2.084	1.777
VERTICAL SPREAD	:	2.267	1.708	1.708
EXTREME SPREAD	:	2.894	2.282	2.282
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

Remington
MODEL 700™ H24

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

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

SERIAL NO.
C6349173

ORDER NO.
5716

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

