

C6587664

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

## Repair Inquiry

Repair Number: RE00081739

Serial: C6587664 Model: M24 SWS Center Fire  
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed: 6/8/2004 8:30:53 AM

## Address Information

Customer

☒ Received From

Return To:

☐ Received From

Name: DEPARTMENT OF THE ARMY

DEPARTMENT OF THE ARMY

Address 1: CDR C CO 3/3 SFG A

CDR C CO 3/3 SFG A

Address 2: ATN ODA 394

PO Box:

ATN ODA 394

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL

## Contact / Condition

## Problems

## Estimate

## History / Status

## Shipping / Billing

## Contact Information

Phone:

Fax:

Email:

Comments:

## Received Condition

Fair

Condition

Notes:

CSR:

Notes:

## Accessories Received

| Code | Desc                  | Qty |
|------|-----------------------|-----|
| A007 | With Stud             | 3   |
| A017 | Scope Base            | 1   |
| C000 | Fit and Rear Sgt Base | 1   |

Repair Search

Refresh

Close

neglet

6/8/2004

8:41 AM

CAPS

NUM

INS

SCRL

start

3

5

3

start

3

3

3

3

Serial Number:

C6587664

Model: M24 SWS



RE00081739

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587664.\_\_\_0  
FILE DATE AND TIME: 06/24/2004 06:36

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.053 |
| The Average Y Centroid of the Five Target Set:              | 0.098  |
| The Average Point of Impact of the Five Target Set:         | 0.111  |
| The Average Mean Radius of the Five Target Set:             | 0.753  |
| The Distance from POA to Centroid Target #1:                | 0.246  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.611  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.215  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.167  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.059  |

SERIAL NUMBER: C6587664. 0

TARGET NUMBER: 1

FILE DATE: 06/24/2004

FILE TIME: 06:36

X CENTROID: -0.127

Y CENTROID: 0.211

POA TO CENTROID: 0.246

HORZ SPREAD: 1.697

VERT SPREAD: 2.568

GROUP SPREAD: 2.753

MIN RADIUS: 0.378

MAX RADIUS: 1.482

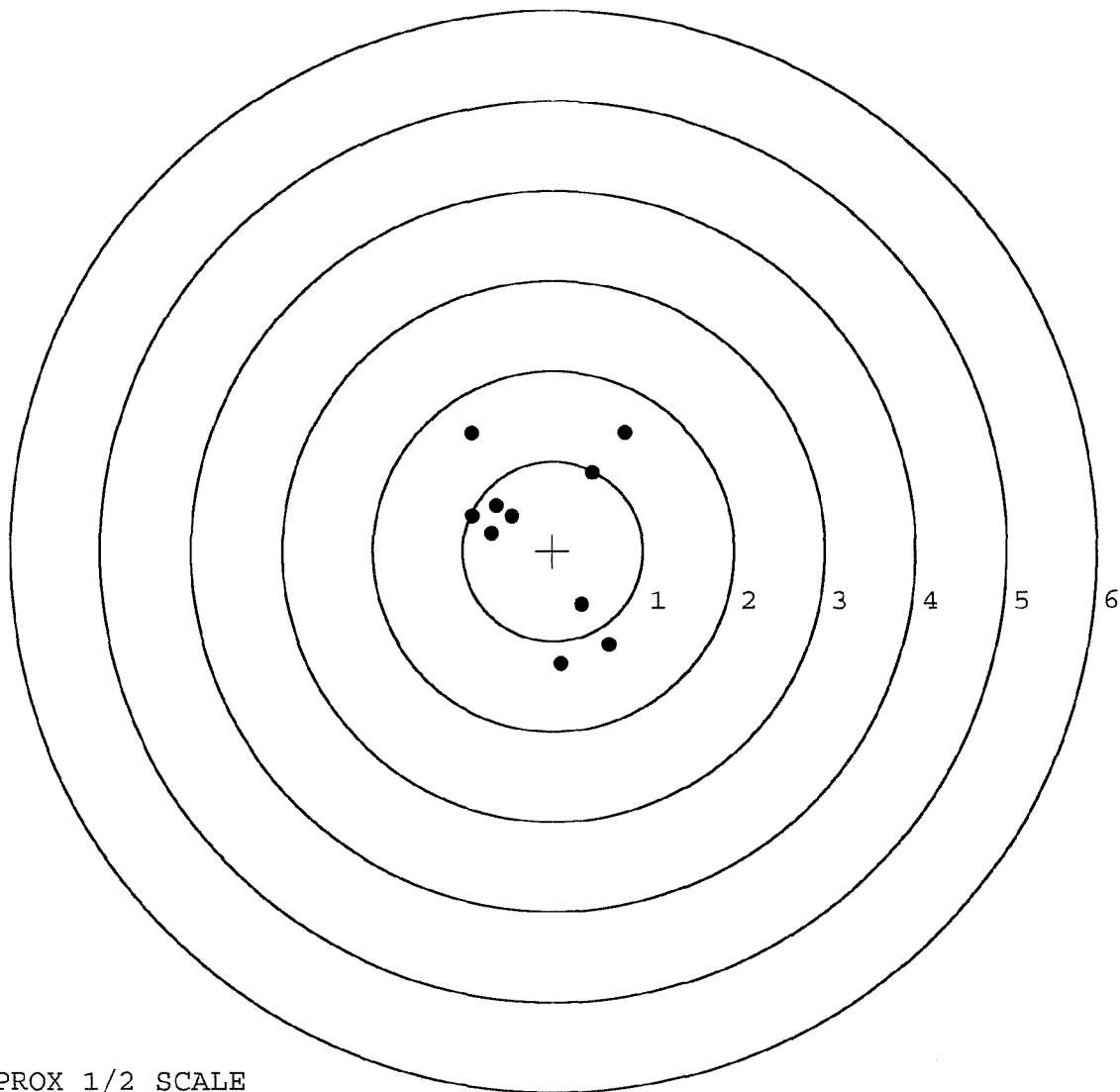
MEAN RADIUS: 0.984

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 6

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.895 | 1.314  |
| 2:     | 0.801  | 1.314  |
| 3:     | 0.443  | 0.875  |
| 4:     | -0.896 | 0.399  |
| 5:     | -0.460 | 0.390  |
| 6:     | 0.323  | -0.594 |
| 7:     | 0.098  | -1.254 |
| 8:     | 0.625  | -1.044 |
| 9:     | -0.629 | 0.510  |
| 10:    | -0.685 | 0.197  |

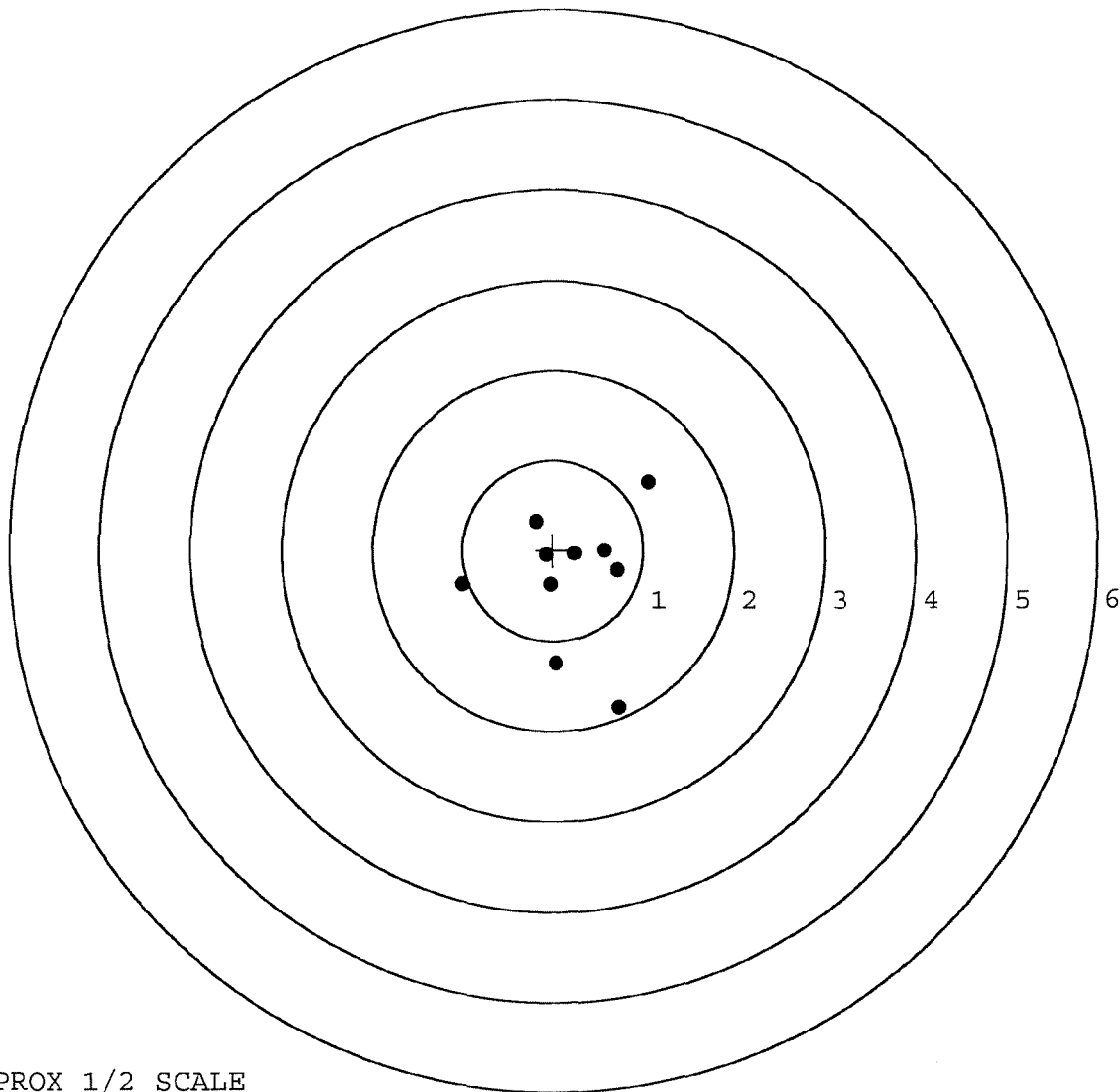


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587664. 0  
 TARGET NUMBER: 2  
 FILE DATE: 06/24/2004  
 FILE TIME: 06:36

X CENTROID: 0.206  
 Y CENTROID: -0.301  
 POA TO CENTROID: 0.365  
 HORZ SPREAD: 2.064  
 VERT SPREAD: 2.500  
 GROUP SPREAD: 2.522  
 MIN RADIUS: 0.251  
 MAX RADIUS: 1.535  
 MEAN RADIUS: 0.769  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 7  
 # in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.058  | 0.755  |
| 2:     | 0.579  | -0.001 |
| 3:     | 0.716  | -0.223 |
| 4:     | -0.190 | 0.318  |
| 5:     | -0.076 | -0.057 |
| 6:     | 0.248  | -0.046 |
| 7:     | -0.030 | -0.385 |
| 8:     | -1.006 | -0.377 |
| 9:     | 0.036  | -1.253 |
| 10:    | 0.727  | -1.745 |

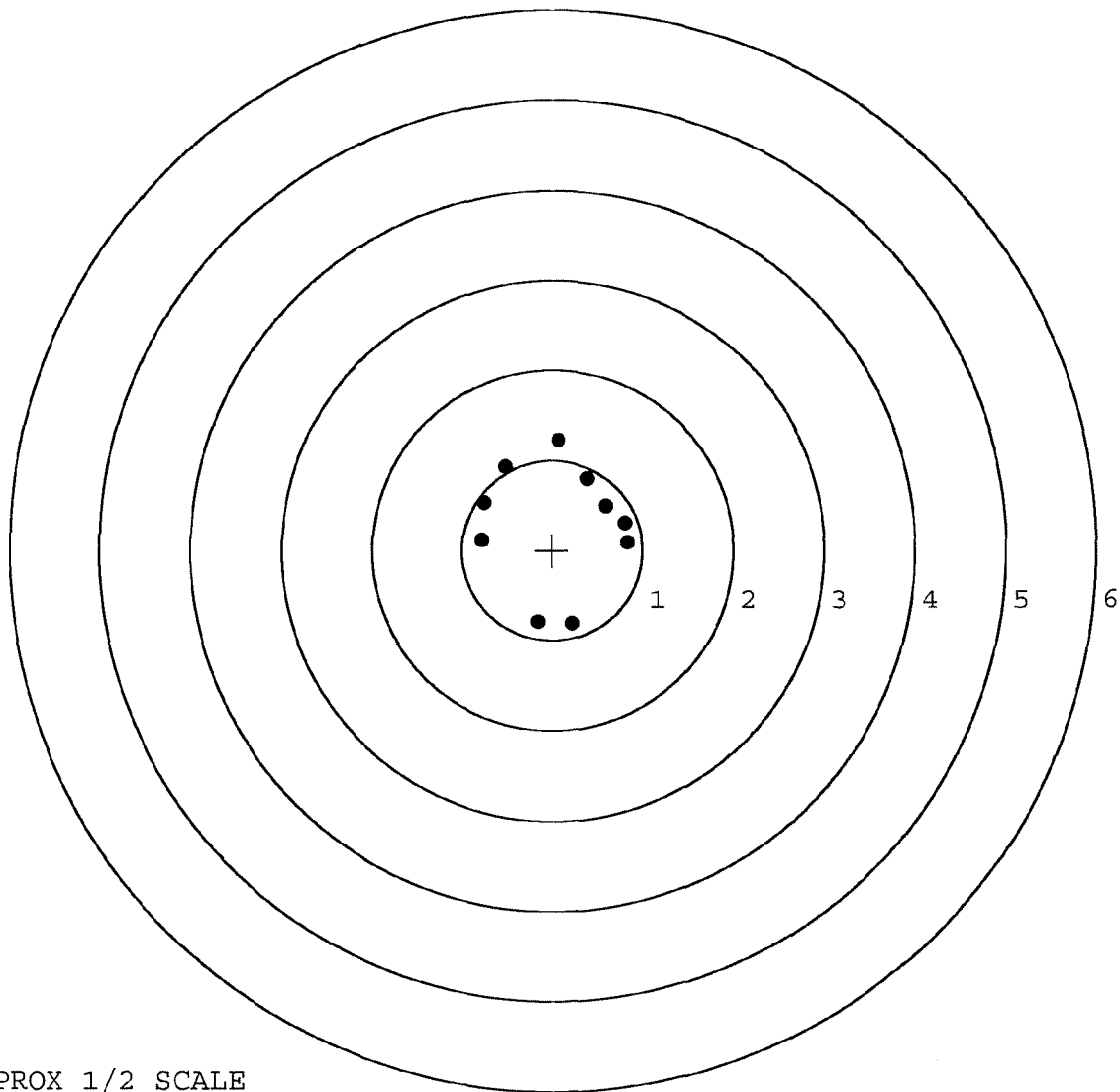


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587664. 0  
 TARGET NUMBER: 3  
 FILE DATE: 06/24/2004  
 FILE TIME: 06:36

X CENTROID: 0.073  
 Y CENTROID: 0.287  
 POA TO CENTROID: 0.296  
 HORZ SPREAD: 1.609  
 VERT SPREAD: 2.043  
 GROUP SPREAD: 2.048  
 MIN RADIUS: 0.564  
 MAX RADIUS: 1.124  
 MEAN RADIUS: 0.846  
 # IN 1 IN DIAMETER: 0  
 # IN 2 IN DIAMETER: 8  
 # in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.228  | -0.826 |
| 2:     | -0.162 | -0.806 |
| 3:     | -0.774 | 0.126  |
| 4:     | -0.754 | 0.539  |
| 5:     | -0.514 | 0.932  |
| 6:     | 0.079  | 1.217  |
| 7:     | 0.394  | 0.798  |
| 8:     | 0.597  | 0.497  |
| 9:     | 0.802  | 0.303  |
| 10:    | 0.835  | 0.088  |

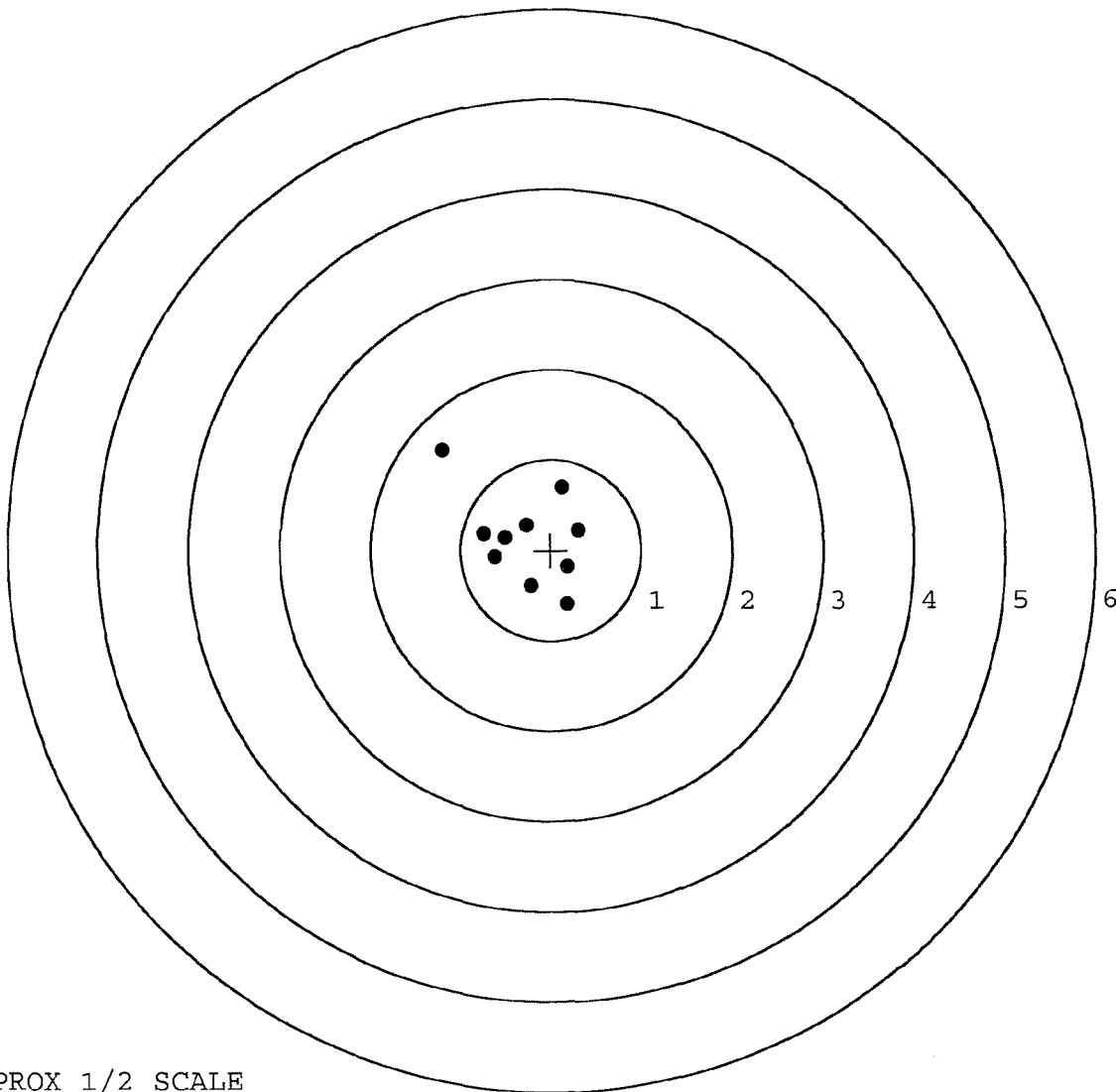


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587664. \_\_0  
 TARGET NUMBER: 4  
 FILE DATE: 06/24/2004  
 FILE TIME: 06:36

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -1.203 | 1.104  |
| 2:     | 0.122  | 0.687  |
| 3:     | -0.745 | 0.189  |
| 4:     | -0.277 | 0.275  |
| 5:     | 0.303  | 0.224  |
| 6:     | 0.187  | -0.183 |
| 7:     | 0.183  | -0.594 |
| 8:     | -0.225 | -0.395 |
| 9:     | -0.621 | -0.067 |
| 10:    | -0.507 | 0.145  |

X CENTROID: -0.278  
 Y CENTROID: 0.139  
 POA TO CENTROID: 0.311  
 HORZ SPREAD: 1.506  
 VERT SPREAD: 1.698  
 GROUP SPREAD: 2.192  
 MIN RADIUS: 0.137  
 MAX RADIUS: 1.337  
 MEAN RADIUS: 0.581  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 9  
 # in 3 IN DIAMETER: 10

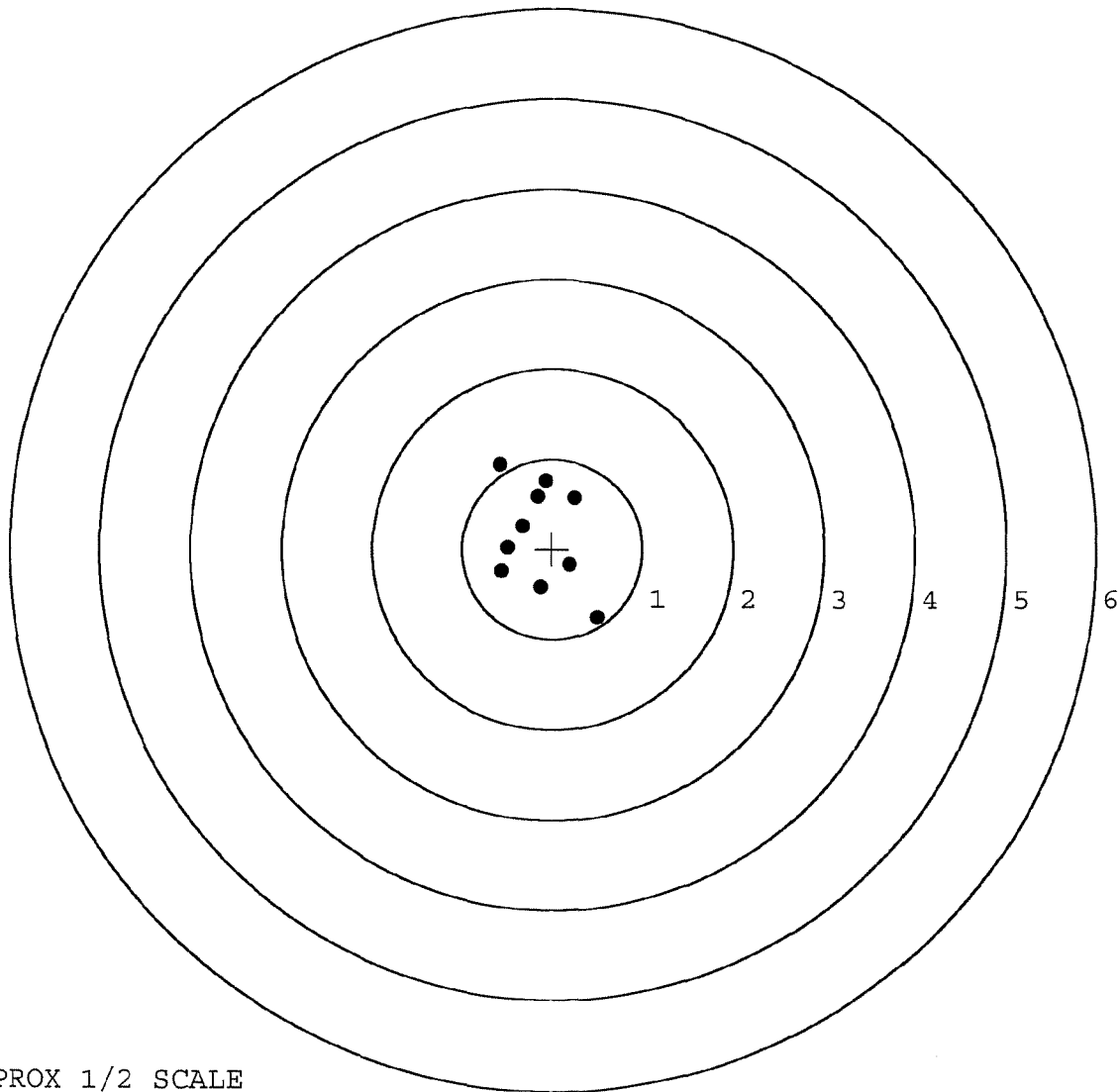


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587664. \_\_0  
 TARGET NUMBER: 5  
 FILE DATE: 06/24/2004  
 FILE TIME: 06:36

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.251  | 0.567  |
| 2:     | -0.078 | 0.757  |
| 3:     | -0.582 | 0.945  |
| 4:     | -0.166 | 0.582  |
| 5:     | -0.337 | 0.255  |
| 6:     | -0.495 | 0.024  |
| 7:     | -0.565 | -0.241 |
| 8:     | 0.194  | -0.176 |
| 9:     | -0.130 | -0.427 |
| 10:    | 0.506  | -0.755 |

X CENTROID: -0.140  
 Y CENTROID: 0.153  
 POA TO CENTROID: 0.208  
 HORZ SPREAD: 1.088  
 VERT SPREAD: 1.700  
 GROUP SPREAD: 2.018  
 MIN RADIUS: 0.222  
 MAX RADIUS: 1.115  
 MEAN RADIUS: 0.586  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 9  
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER**  
**KINZER V. REMINGTON**

**GFM**

CONTRACT # DAAA21-87-C-0086

Repair

GUN SERIAL # C6587664 New Barrel

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 2/4/93  | RW   |
| 600          | Proof                                                          |          | 2/4/93  | RW   |
| 607          | Check Headspace                                                |          | 2/4/93  | RW   |
| 610          | Dis-assemble Gun                                               |          | 2/4/93  | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 2/5/93  | CR   |
|              | Magnaflux Bolt                                                 |          |         |      |
| 615          | Rollmark Caliber                                               |          | 2/5/93  | CR   |
| 617          | Drill and Tap Sight Holes                                      |          | 2/5/93  | BT   |
| 618          | Polish Barrel                                                  |          | 2/5/93  | BT   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          |         |      |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 2/10/93 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 2/10/93 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 2/10/93 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 2/10/93 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 2/10/93 | RW   |

| BARBER - M24 0024787 |                                                             | READINGS |      |      |      |      | DATE    | INIT |
|----------------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| op. #                | OP. NAME                                                    |          |      |      |      |      |         |      |
| 625<br>cont.         | F) Safety On Force                                          | 5        | 5    | 5    |      |      | 2/10/93 | RW   |
|                      | G) Safety Off Force                                         | 3        | 3    | 2.5  |      |      | 2/10/93 | RW   |
|                      | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 2/10/93 | RW   |
|                      | I) Firing Pin Indent                                        |          |      |      |      |      |         |      |
|                      | J) Assemble Stock                                           |          |      |      |      |      |         |      |
|                      | K) Assemble Swivel Studs                                    |          |      |      |      |      |         |      |
|                      | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 2/10/93 | RW   |
|                      | M) Iron Sight Alignment                                     |          |      |      |      |      | 2/10/93 | RW   |
|                      | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      |         |      |
|                      | O) Attach Scope to Rifle                                    |          |      |      |      |      | 2/10/93 | RW   |
|                      | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      |         |      |
| 640                  | Gallery Target & Test                                       |          |      |      |      |      | 3/1/93  | RW   |
|                      | A) Time                                                     |          |      |      |      |      |         |      |
|                      | B) Malfunctions                                             |          |      |      |      |      |         |      |
|                      | C) Pierced Primers                                          |          |      |      |      |      |         |      |
|                      | D) Optical Clarity of Scope                                 |          |      |      |      |      |         |      |
| 645                  | Inspect for Live Ammo                                       |          |      |      |      |      | 3/1/93  | RW   |
| 655                  | Final Inspection                                            |          |      |      |      |      |         |      |
|                      | A) Headspace                                                |          |      |      |      |      | 3/4/93  | RW   |
|                      | B) Trigger Pull                                             | 2.47     | 2.51 | 2.49 | 2.46 | 2.47 | 3/4/93  | RW   |
|                      | C) Function                                                 |          |      |      |      |      | 3/4/93  | RW   |
| 660                  | Pack                                                        |          |      |      |      |      |         |      |

## SWS TRIGGER PULL TEST

New Trigger Assy

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587664DATE 2/9/93TESTER RW

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |  | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|--|------------------------------------------------------------------------|
| PULL #1 | 2.33             | 2.27                     | 2.11                           |  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.37             | 2.28                     | 2.32                           |  |                                                                        |
| PULL #3 | 2.33             | 2.27                     | 2.31                           |  |                                                                        |
| PULL #4 | 2.33             | 2.31                     | 2.38                           |  |                                                                        |
| PULL #5 | 2.32             | 2.29                     | 2.40                           |  |                                                                        |
| TOTAL   | 11.68            | 11.42                    | 11.52                          |  |                                                                        |
| AVG.    | 2.34             | 2.28                     | 2.31                           |  |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.31             | 3.28                     |  |          |
| PULL #2 | 3.29             | 3.28                     |  |          |
| PULL #3 | 3.28             | 3.27                     |  |          |
| PULL #4 | 3.26             | 3.25                     |  |          |
| PULL #5 | 3.30             | 3.13                     |  |          |
| TOTAL   | 16.44            | 16.21                    |  |          |
| AVG.    | 3.29             | 3.24                     |  |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.11             | 4.14                     |                                | 4.24                                 |
| PULL #2 | 4.02             | 4.09                     |                                | 4.14                                 |
| PULL #3 | 4.10             | 4.05                     |                                | 4.26                                 |
| PULL #4 | 4.04             | 4.00                     |                                | 4.20                                 |
| PULL #5 | 4.09             | 4.12                     |                                | 4.26                                 |
| TOTAL   | 20.36            | 20.40                    |                                | 21.10                                |
| AVG.    | 4.07             | 4.08                     |                                | 4.22                                 |

## COMMENTS

## ORDER

**R** 93-02490

|         |                    |
|---------|--------------------|
| INITIAL | CUSTOMER ORDER NO. |
|---------|--------------------|

WOL 27 OF 30 W/10X SCOPE & DEPLOYMENT KIT  
M-24

|               |             |           |               |                   |                 |
|---------------|-------------|-----------|---------------|-------------------|-----------------|
| DATE RECEIVED | DATE OPENED | DATE CODE | SERIAL NUMBER | NEW SERIAL NUMBER | MODEL AND GRADE |
| 01/25/93      | 01/25/93    | EK 10-90  | C6587664      |                   | 700 7-62 NATO   |
| ACCESSORIES   | W/STUDS     | W/SMIVELS | SOFT CASE     | SCOPE BASE        |                 |

FROM:

SHIP TO:

MCMALE, EDWARD J CPT, SF  
HSC 3RD BN 3RD SFG (A)  
FT BRAGG

NC 28307

MCMALE, EDWARD J CPT,SF  
HSC 3RD BN 3RD SFG (A)  
FT BRAGG

NC  
28307

CLINT NO: 673985 C.D.D. L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE

CLEAN/TEST

|            |
|------------|
| PROM. DATE |
|------------|

|           |
|-----------|
| ESTIMATED |
|-----------|

|     |
|-----|
| VIA |
|-----|

www.elsevier.com/locate/jmb

## GUN CONDITION

☐ NEW  
☐ LIGHTLY WORN  
☐ WORN  
☐ VERY WORN  
☐ UNREPAIRABLE  
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

|       |     |     |     |
|-------|-----|-----|-----|
| TOTAL | 100 | 100 | 100 |
|-------|-----|-----|-----|

| CUSTOMER CONCERN | AMMO | FUNCTION | FINISH | ACCURACY | FIT | INSPECT |
|------------------|------|----------|--------|----------|-----|---------|
|------------------|------|----------|--------|----------|-----|---------|

|               |    |    |    |    |    |    |
|---------------|----|----|----|----|----|----|
| CYCLE         | A1 | B1 |    |    |    |    |
| TRIGGER GROUP |    | B2 |    |    | E1 | F1 |
| BOLT ASSY.    |    | B3 |    |    | E2 | F2 |
| BARREL ASSY.  |    | B4 |    | D1 | E3 | F3 |
| REC. ASSY.    |    | B5 |    | D2 | E4 | F4 |
| WOOD          |    |    | C1 | D3 | E5 | F5 |
| METAL         |    |    | C2 |    |    |    |

## MAIN FAULT

## PARTS

## COMMENTS

|           |       |       |      |        |         |
|-----------|-------|-------|------|--------|---------|
| REPAIRMAN | PROOF | CLEAN | TEST | TARGET | PATTERN |
|-----------|-------|-------|------|--------|---------|

|                |      |      |      |      |      |
|----------------|------|------|------|------|------|
| GALLERY TESTER | DATE | DATE | DATE | DATE | DATE |
|----------------|------|------|------|------|------|

AD8925 REV. 1/92

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER**  
**KINZER V. REMINGTON**

**BARBER - M24** **M2400024828**

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587664  
3 Mar 1993

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .7972   |
| 1 TO | 2 | .5314   |
| 1 TO | 3 | 1.17754 |
| 1 TO | 4 | 1.09454 |
| 1 TO | 5 | .286252 |

1  
2  
3  
4  
5  
+  
3  
←----POB

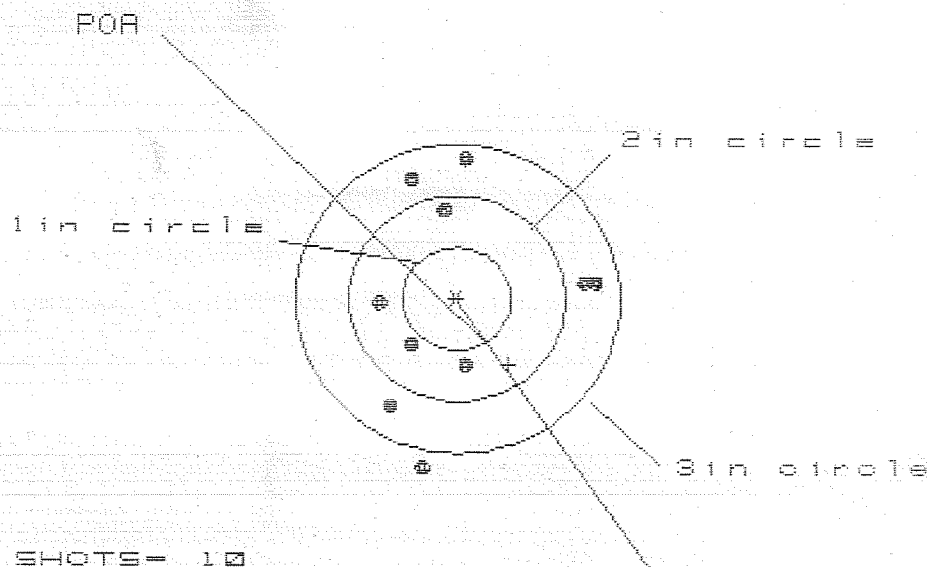
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2366  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1098  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .260836

THE AMR FOR THIS RIFLE IS: .9206

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587664

## CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 4

3 in = 3

RS = 2.050

VS = 2.982

CS = 3.013

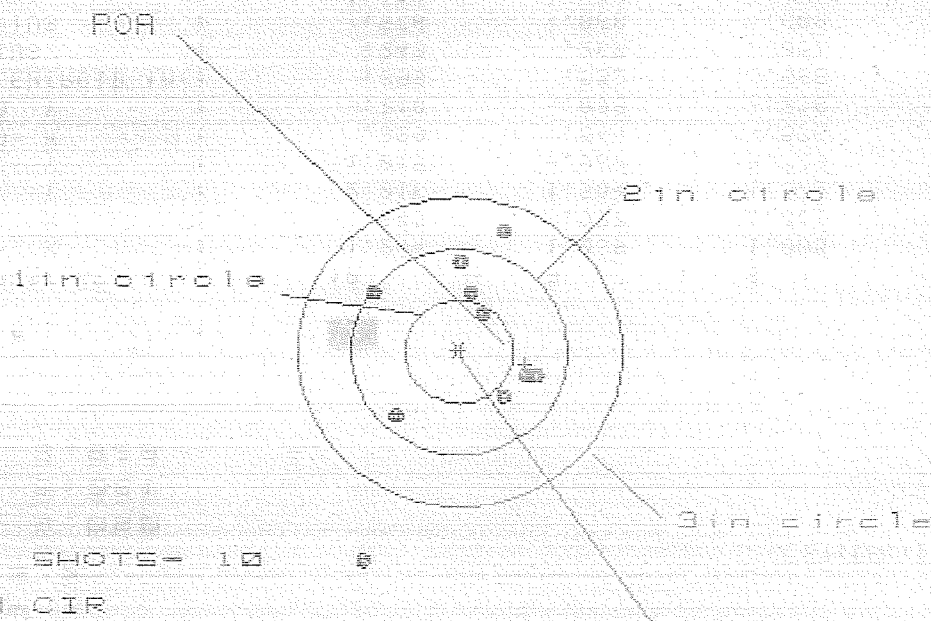
CENTROID \*

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.314  | 1.278  | 1.288  |
| MINIMUM X                     | -.746  | -.782  | -.772  |
| MAXIMUM Y                     | 1.356  | 1.175  | 1.187  |
| MINIMUM Y                     | -1.626 | -1.222 | -1.075 |
| CENTROID X                    | -.478  | -.442  | -.452  |
| CENTROID Y                    | .638   | .819   | .672   |
| POA TO CENTROID in.           | .797   | .931   | .810   |
| MIN RADIUS                    | .548   | .670   | .591   |
| MEAN RADIUS                   | 1.072  | 1.004  | .967   |
| MAX RADIUS                    | 1.657  | 1.380  | 1.297  |
| HORIZONTAL SPREAD             | 2.060  | 2.060  | 2.060  |
| VERTICAL SPREAD               | 2.982  | 2.397  | 2.182  |
| EXTREME SPREAD                | 3.013  | 2.502  | 2.278  |
| NUMBER IN ONE INCH CIRCLE =   |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 9      |        |

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE\_PATT/C8587664

## CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 3

3 in = 6

HS = 1.533

VS = 3.188

GS = 3.448

CENTROID \*

| PATTERN #                     | 1      | 2     | 3     |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | .715   | .613  | .650  |
| MINIMUM X                     | -.918  | -.901 | -.864 |
| MAXIMUM Y                     | 1.132  | .904  | .778  |
| MINIMUM Y                     | -2.056 | -.861 | -.748 |
| CENTROID X                    | -.609  | -.507 | -.544 |
| CENTROID Y                    | .123   | .351  | .238  |
| POA TO CENTROID in.           | .622   | .617  | .594  |
| MIN RADIUS                    | .392   | .143  | .260  |
| MEAN RADIUS                   | .913   | .705  | .685  |
| MAX RADIUS                    | 2.251  | 1.185 | .994  |
| HORIZONTAL SPREAD             | 1.633  | 1.514 | 1.514 |
| VERTICAL SPREAD               | 3.188  | 1.765 | 1.526 |
| EXTREME SPREAD                | 3.448  | 2.022 | 1.704 |
| NUMBER IN ONE INCH CIRCLE =   |        | 1     |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE = |        | 9     |       |

8 Mar 1993

FILE:/PATTERNING/CENTERFIRE\_PATT/C8587664

## CENTERFIRE PATTERNS

# 3

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1 in = 4

2 in = 7

3 in = 7

HS = 3.0990

VS = 3.031

GS = 3.829

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.244  | 1.039  | 1.005  |
| MINIMUM X                     | -1.845 | -0.977 | -1.011 |
| MAXIMUM Y                     | 2.016  | 1.904  | 1.372  |
| MINIMUM Y                     | -1.015 | -0.967 | -0.729 |
| CENTROID X                    | .339   | .544   | .578   |
| CENTROID Y                    | -.210  | -.098  | -.336  |
| POA TO CENTROID in.           | .399   | .552   | .668   |
| MIN RADIUS                    | .243   | .265   | .057   |
| MEAN RADIUS                   | .976   | .868   | .609   |
| MAX RADIUS                    | 2.106  | 1.924  | 1.700  |
| HORIZONTAL SPREAD             | 3.090  | 2.016  | 2.016  |
| VERTICAL SPREAD               | 3.031  | 2.871  | 2.101  |
| EXTREME SPREAD                | 3.829  | 2.880  | 2.365  |
| NUMBER IN ONE INCH CIRCLE =   |        | 4      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 7      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 7      |        |

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE\_PATT/08587664

## CENTERFIRE PATTERNS

# 4

FOR

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS= 10

# IN CIR

1 in = 4

2 in = 6

3 in = 10

HS= 2.326

VS= 1.930

GS= 2.804

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.146

1.015

.564

MINIMUM X

-1.180

-.808

-.681

MAXIMUM Y

1.042

1.138

1.062

MINIMUM Y

-.888

-.792

-.868

CENTROID X

-.081

.050

-.077

CENTROID Y

-.382

-.478

-.402

POA TO CENTROID in.

.390

.480

.409

MIN RADIUS

.244

.176

.246

MEAN RADIUS

.787

.701

.631

MAX RADIUS

1.461

1.183

1.075

HORIZONTAL SPREAD

2.326

1.823

1.245

VERTICAL SPREAD

1.930

1.930

1.930

EXTREME SPREAD

2.804

2.265

1.971

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

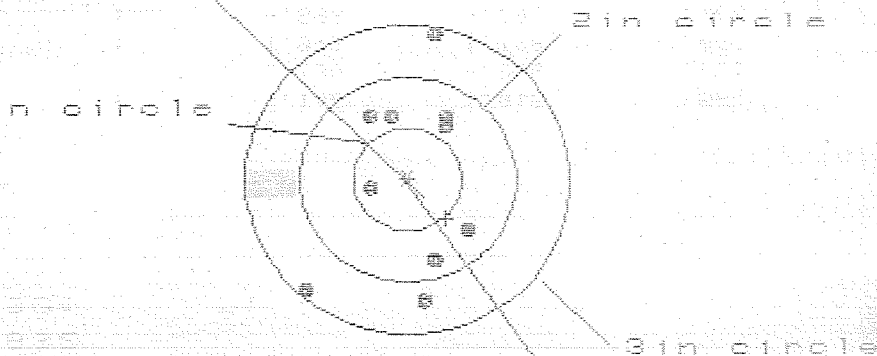
10

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE\_PATT/C658766+

## CENTERFIRE PATTERNS # 5

POA



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.519

VS= 2.574

GS= 2.739

CENTROID #

| PATTERN #                     | 5      |
|-------------------------------|--------|
| SHOTS (BEST OF)               | 10     |
| MAXIMUM X                     | .564   |
| MINIMUM X                     | -.955  |
| MAXIMUM Y                     | 1.382  |
| MINIMUM Y                     | -1.192 |
| CENTROID X                    | -.354  |
| CENTROID Y                    | .380   |
| POA TO CENTROID in.           | .520   |
| MIN RADIUS                    | .363   |
| MEAN RADIUS                   | .855   |
| MAX RADIUS                    | 1.441  |
| HORIZONTAL SPREAD             | 1.519  |
| VERTICAL SPREAD               | 2.574  |
| EXTREME SPREAD                | 2.739  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |
| NUMBER IN TWO INCH CIRCLE =   | 7      |
| NUMBER IN THREE INCH CIRCLE = | 10     |

# Remington®



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

MODEL 700™ M24

SERIAL NO.  
C6587664

ORDER NO.  
5716

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

20



5716 C6587664

UPC



BARBER - M24 0024796

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

BARBER - M24 002499024835

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 65876

64

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 10/24/90 | KA   |
| 600          | Proof                                                          |          | 10/24/90 | KA   |
| 607          | Check Headspace                                                |          | 10/24/90 | KA   |
| 610          | Dis-assemble Gun                                               |          | 10/24/90 | KA   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 10/30/90 | KR   |
|              | Magnaflux Bolt                                                 |          | "        | KR   |
| 615          | Rollmark Caliber                                               |          | "        | GL   |
| 617          | Drill and Tap Sight Holes                                      |          | 11/15/90 | FB   |
| 618          | Polish Barrel                                                  |          | 11/16/90 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 11/26/90 | JA   |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 12/3/90  | KS   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 12/3/90  | KS   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 12/3/90  | KS   |
|              | D) Oil Firing Pin Ass'y                                        |          | 12/3/90  | KS   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 12/4/90  | RL   |

| op. #        | BARBER M24 0024798                                          | READINGS |       |       |     |     | DATE     | INIT. |
|--------------|-------------------------------------------------------------|----------|-------|-------|-----|-----|----------|-------|
| 625<br>cont. | F) Safety On Force                                          | 4 1/2    | 4 1/2 | 4 1/2 |     |     | 12/4/90  | WB    |
|              | G) Safety Off Force                                         | 2        | 2     | 2     |     |     | 12/4/90  | WB    |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |     |     | 12/4/90  | JH    |
|              | I) Firing Pin Indent                                        | .021     | .0215 | .0215 |     |     | 12/4/90  | WB    |
|              | J) Assemble Stock                                           |          |       |       |     |     | 12/4/90  | KS    |
|              | K) Assemble Swivel Studs                                    |          |       |       |     |     | 12-6-90  | JH    |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |     |     | 12/4/90  | KS    |
|              | M) Iron Sight Alignment                                     |          |       |       |     |     | 12/4/90  | KS    |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |     |     | 12/4/90  | KS    |
|              | O) Attach Scope to Rifle                                    |          |       |       |     |     | 12/4/90  | KS    |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |     |     | 12/4/90  | KS    |
| 640          | Gallery Target & Test                                       |          |       |       |     |     | 12-5-90  | DH    |
|              | A) Time                                                     |          |       |       |     |     | 12-5-90  | DH    |
|              | B) Malfunctions                                             |          |       |       |     |     | 12-5-90  | DH    |
|              | C) Pierced Primers                                          |          |       |       |     |     | 12-5-90  | DH    |
|              | D) Optical Clarity of Scope                                 |          |       |       |     |     | 12-5-90  | DH    |
| 645          | Inspect for Live Ammo                                       |          |       |       |     |     | 12-5-90  | DH    |
| 655          | Final Inspection                                            |          |       |       |     |     |          |       |
|              | A) Headspace                                                |          |       |       |     |     | 12-6-90  | JH    |
|              | B) Trigger Pull                                             | 243      | 239   | 242   | 248 | 247 | 12-6-90  | JH    |
|              | C) Function                                                 |          |       |       |     |     | 12-6-90  | JH    |
| 660          | Pack                                                        |          |       |       |     |     | 12/19/90 | VF    |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6587664

DATE 12-4-90

TESTER JM

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.35             | 2.39                     | 2.44                           | 2.43 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.36             | 2.43                     | 2.39                           | 2.39 |                                                                        |
| PULL #3 | 2.33             | 2.40                     | 2.42                           | 2.42 |                                                                        |
| PULL #4 | 2.33             | 2.40                     | 2.43                           | 2.48 |                                                                        |
| PULL #5 | 2.36             | 2.39                     | 2.44                           | 2.47 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.40             | 3.45                     |  |          |
| PULL #2 | 3.31             | 3.39                     |  |          |
| PULL #3 | 3.40             | 3.40                     |  |          |
| PULL #4 | 3.41             | 3.41                     |  |          |
| PULL #5 | 3.45             | 3.44                     |  |          |
| TOTAL   |                  |                          |  |          |
| AVG.    |                  |                          |  |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.46             | 4.26                     |                                | 4.23                                 |
| PULL #2 | 4.47             | 4.22                     |                                | 4.31                                 |
| PULL #3 | 4.49             | 4.29                     |                                | 4.31                                 |
| PULL #4 | 4.45             | 4.28                     |                                | 4.30                                 |
| PULL #5 | 4.24             | 4.25                     |                                | 4.26                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587664  
5 Dec 1990

CENTROIDAL DISTANCES

|   |    |   |         |
|---|----|---|---------|
| 0 | TO | 1 | .094578 |
| 1 | TO | 2 | .279732 |
| 1 | TO | 3 | .341006 |
| 1 | TO | 4 | .711706 |
| 1 | TO | 5 | .508575 |

534  
+ 2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1616  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1384  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .212765  
THE AMR FOR THIS RIFLE IS: .805

5 Dec 1938

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587664

## CENTERFIRE PATTERNS # 1

POR

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS= 10

# IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.368

VS= 2.364

GS= 2.641

| PATTERN #                     | 1      | 2      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.442  | .943   | 1.012 |
| MINIMUM X                     | -.926  | -.766  | -.697 |
| MAXIMUM Y                     | .974   | 1.042  | .877  |
| MINIMUM Y                     | -1.390 | -1.322 | -.842 |
| CENTROID X                    | .089   | -.071  | -.140 |
| CENTROID Y                    | .032   | -.036  | .129  |
| POR TO CENTROID in.           | .095   | .080   | .191  |
| MIN RADIUS                    | .307   | .150   | .072  |
| MEAN RADIUS                   | .854   | .734   | .647  |
| MAX RADIUS                    | 1.567  | 1.433  | 1.062 |
| HORIZONTAL SPREAD             | 2.368  | 1.709  | 1.709 |
| VERTICAL SPREAD               | 2.364  | 2.364  | 1.719 |
| EXTREME SPREAD                | 2.641  | 2.641  | 1.838 |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |       |

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587664

## CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1in = 1

2in = 8

3in = 10

HS= 2.272

VS= 1.690

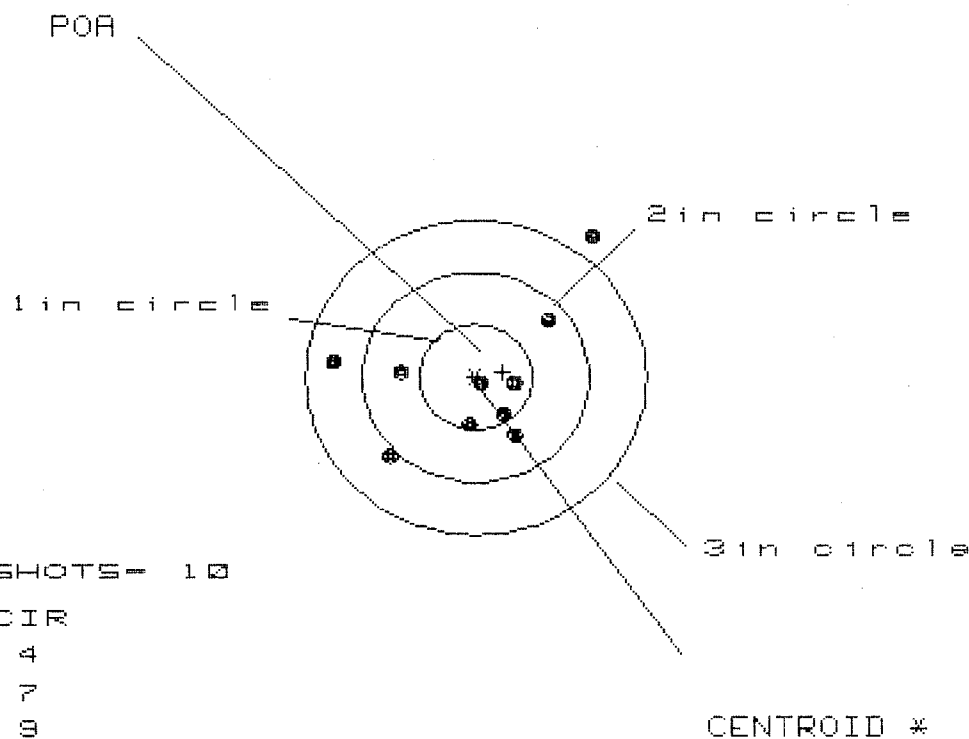
GS= 2.362

| PATTERN #                   | : | 2      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.000  | .859  | .372  |
| MINIMUM X                   | : | -1.272 | -.875 | -.768 |
| MAXIMUM Y                   | : | .927   | .881  | .904  |
| MINIMUM Y                   | : | -.763  | -.809 | -.786 |
| CENTROID X                  | : | .204   | .345  | .238  |
| CENTROID Y                  | : | -.223  | -.177 | -.200 |
| POA TO CENTROID in.         | : | .302   | .388  | .311  |
| MIN RADIUS                  | : | .472   | .341  | .431  |
| MEAN RADIUS                 | : | .755   | .668  | .644  |
| MAX RADIUS                  | : | 1.338  | .988  | .906  |
| HORIZONTAL SPREAD           | : | 2.272  | 1.734 | 1.140 |
| VERTICAL SPREAD             | : | 1.690  | 1.690 | 1.690 |
| EXTREME SPREAD              | : | 2.362  | 1.848 | 1.719 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587664

## CENTERFIRE PATTERNS # 3



# OF SHOTS= 10

# IN CIR

1 in = 4

2 in = 7

3 in = 9

HS= 2.244

VS= 2.091

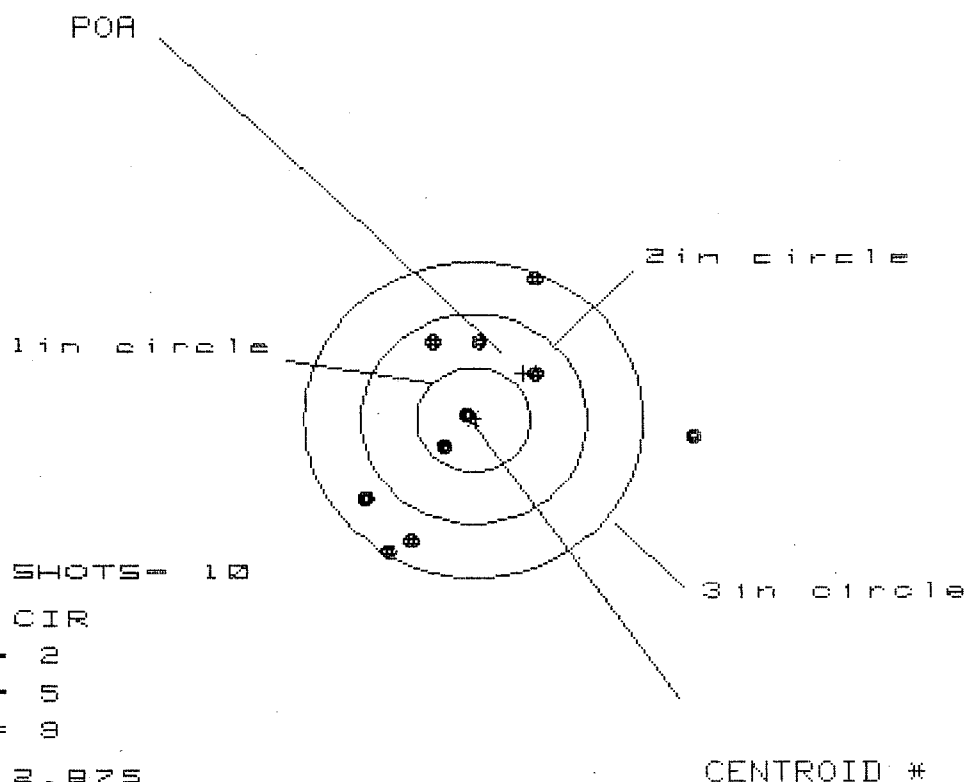
GS= 2.754

| PATTERN #                   | : | 3      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.033  | .767   | .630  |
| MINIMUM X                   | : | -1.211 | -1.097 | -.783 |
| MAXIMUM Y                   | : | 1.373  | .699   | .741  |
| MINIMUM Y                   | : | -.718  | -.565  | -.523 |
| CENTROID X                  | : | -.242  | -.356  | -.219 |
| CENTROID Y                  | : | -.050  | -.203  | -.245 |
| POA TO CENTROID in.         | : | .247   | .410   | .329  |
| MIN RADIUS                  | : | .026   | .194   | .180  |
| MEAN RADIUS                 | : | .742   | .625   | .521  |
| MAX RADIUS                  | : | 1.718  | 1.148  | .973  |
| HORIZONTAL SPREAD           | : | 2.244  | 1.864  | 1.413 |
| VERTICAL SPREAD             | : | 2.091  | 1.264  | 1.264 |
| EXTREME SPREAD              | : | 2.754  | 1.898  | 1.896 |
| NUMBER IN ONE INCH CIRCLE   | = | 4      |        |       |
| NUMBER IN TWO INCH CIRCLE   | = | 7      |        |       |
| NUMBER IN THREE INCH CIRCLE | = | 9      |        |       |

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08587664

## CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in - 2

2 in - 5

3 in - 3

HS- 2.875

VS- 2.595

GS- 2.940

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.937  | .778   | .866   |
| MINIMUM X                   | : | -.938  | -.722  | -.634  |
| MAXIMUM Y                   | : | 1.382  | 1.365  | .933   |
| MINIMUM Y                   | : | -1.213 | -1.230 | -1.059 |
| CENTROID X                  | : | -.441  | -.657  | -.745  |
| CENTROID Y                  | : | -.443  | -.426  | -.597  |
| POA TO CENTROID in.         | : | .625   | .783   | .955   |
| MIN RADIUS                  | : | .103   | .168   | .107   |
| MEAN RADIUS                 | : | 1.011  | .890   | .809   |
| MAX RADIUS                  | : | 1.943  | 1.538  | 1.171  |
| HORIZONTAL SPREAD           | : | 2.875  | 1.500  | 1.500  |
| VERTICAL SPREAD             | : | 2.595  | 2.595  | 1.992  |
| EXTREME SPREAD              | : | 2.940  | 2.901  | 2.173  |
| NUMBER IN ONE INCH CIRCLE = | : | 2      |        |        |

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

BARBER - M24 0024804

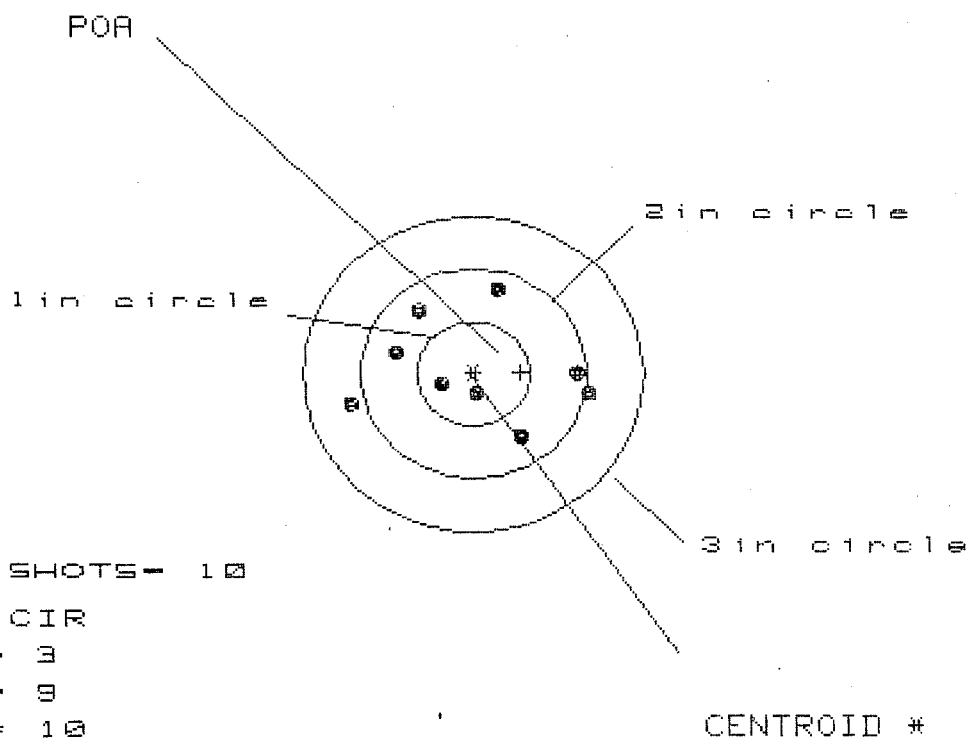
M2400024843

BARBER - M24 0024805

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587664

## CENTERFIRE PATTERNS # 5



HS= 2.016  
 VS= 1.393  
 GS= 2.018

| PATTERN #           | : | 5      |       |       |
|---------------------|---|--------|-------|-------|
| SHOTS (BEST OF)     | : | 10     | 9     | 8     |
| MAXIMUM X           | : | .973   | .857  | .876  |
| MINIMUM X           | : | -1.043 | -.793 | -.686 |
| MAXIMUM Y           | : | .759   | .726  | .694  |
| MINIMUM Y           | : | -.634  | -.667 | -.699 |
| CENTROID X          | : | -.418  | -.302 | -.409 |
| CENTROID Y          | : | -.008  | .025  | .057  |
| POA TO CENTROID in. | : | .418   | .303  | .413  |
| MIN RADIUS          | : | .154   | .186  | .214  |
| MEAN RADIUS         | : | .663   | .624  | .579  |

MAX. RADIUS **BARBER - M24 0024806** 1.085 .894 .879  
HORIZONTAL SPREAD : 2.016 1.650 1.562  
VERTICAL SPREAD : 1.393 1.393 1.393  
EXTREME SPREAD : 2.018 1.711 1.573  
NUMBER IN ONE INCH CIRCLE = 3  
NUMBER IN TWO INCH CIRCLE = 9  
NUMBER IN THREE INCH CIRCLE = 10

# RECEIVING AND ESTIMATING REPORT

BARBER M24 0024887

COMMENTS

ORDER

R 93-02480

|                           |                         |                       |                                                   |                   |                             |      |
|---------------------------|-------------------------|-----------------------|---------------------------------------------------|-------------------|-----------------------------|------|
| INITIAL<br>FPS            | CUSTOMER ORDER NO.      |                       | WOG 27 OF 30 W/10X SCOPE & DEPLOYMENT KIT<br>M-24 |                   |                             |      |
| DATE RECEIVED<br>01/25/93 | DATE OPENED<br>01/25/93 | DATE CODE<br>EK 10-90 | SERIAL NUMBER<br>C6587664                         | NEW SERIAL NUMBER | MODEL AND GRADE<br>700 7-62 | NATO |
| ACCESSORIES<br>W/STUDS    |                         | W/SWIVELS             |                                                   | SOFT CASE         | SCOPE BASE                  |      |

FROM:

MCHALE, EDWARD J CPT, SF  
HSC 3RD BN 3RD SFG (A)  
FT BRAGG NC 28307

SHIP TO:

MCHALE, EDWARD J CPT, SF  
HSC 3RD BN 3RD SFG (A)  
FT BRAGG NC 28307

CUST NO: 073985 C.O.D L

|                                                                                                                                                                                                                                           |                    |                                |            |            |           |                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------|------------|------------|-----------|----------------------------------------------------------------------------|
| ACCOUNT NUMBER                                                                                                                                                                                                                            | ACCOUNT NUMBER N/C | WRITE <input type="checkbox"/> | CLEAN/TEST | PROM. DATE | ESTIMATED | VIA<br>UPS                                                                 |
| GUN CONDITION<br><input type="checkbox"/> NEW<br><input type="checkbox"/> LIGHTLY WORN<br><input type="checkbox"/> WORN<br><input type="checkbox"/> VERY WORN<br><input type="checkbox"/> UNREPAIRABLE<br><input type="checkbox"/> MARRED |                    |                                |            |            |           | REPAIR CHARGE<br>EXCISE<br>TAX<br>INSURANCE<br>UPS<br>PARCEL POST<br>TOTAL |

| CUSTOMER CONCERN | AMMO | FUNCTION | FINISH | ACCURACY | FIT | INSPECT |
|------------------|------|----------|--------|----------|-----|---------|
| CYCLE            | A1   | B1       |        |          |     |         |
| TRIGGER GROUP    |      | B2       |        |          | E1  | F1      |
| BOLT ASSY.       |      | B3       |        |          | E2  | F2      |
| BARREL ASSY.     |      | B4       |        | D1       | E3  | F3      |
| REC. ASSY.       |      | B5       |        | D2       | E4  | F4      |
| WOOD             |      |          | C1     | D3       | E5  | F5      |
| METAL            |      |          | C2     |          |     |         |

MAIN FAULT

Rust on Gun

| PARTS                        | COMMENTS                            |
|------------------------------|-------------------------------------|
| Magazine - 96013             | Zinc phosphate Scope Base,          |
| Trigger Assy - 96024         | Scope Rings, Swivels & Swivel Studs |
| Barrel Assy Complete - 96001 | Re-powder Coat Floor plate, latch,  |
| Front Sight Assy - 96118     | Trigger Guard & Front Sight Base.   |
| Rear Sight Assy - 96119      |                                     |
|                              |                                     |
|                              |                                     |
|                              |                                     |
|                              |                                     |
| REPAIRMAN<br>RW              | PROOF<br>✓                          |
| GALLERY TESTER<br>RW         | DATE<br>2/4/93                      |
|                              | CLEAN<br>✓                          |
|                              | TEST<br>✓                           |
|                              | TARGET<br>✓                         |
|                              | PATTERN                             |
|                              | DATE<br>2/10/93                     |
|                              | DATE<br>3/1/93                      |
|                              | DATE<br>3/1/93                      |

OFFICE COPY

RD6925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

BARBER - M24 0024887 24846

**Arms Services Repair & Estimate System**

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

**Repair Inquiry**

Repair Number: **RE00028197** Serial: C6587664 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWIS) Repairman: Status: Closed 6/5/01 10:32:47 AM

Verify Repair

**Address Information**

Customer: ☒ Received From Return To: ☒ Received From

Name: **TRANSPORTATION OFFICER** **TRANSPORTATION OFFICER**

Address 1: **COOK DR\_KNOX ST** **COOK DR\_KNOX ST**

Address 2:  PO Box  PO Box

City: **FORT BRAGG** **FORT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

EFL:

**Contact / Condition** Problems Estimate History / Status Shipping / Billing

**Contact Information**

Phone:

Fax:

Email:

Comments:

**Received Condition**

Pool:

Condition:

Notes:

CSR Notes:

**Accessories Received**

| Code | Desc       | Qty |
|------|------------|-----|
| A007 | With Stud  | 1   |
| A010 | Hard Case  | 1   |
| A017 | Scope Base | 1   |

Repair Search Refresh Close

inquiry 6/5/01 11:22 AM CAPS NUM INS SCHL

Start Inbox Part Se SAP Lo Stock FreeCal Google Arms 11:22 AM

Serial Number: **C6587664**

Model: **700**



**RE00028197**

**BARBER - M24 0024809**

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6587664  
22 Jun 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1306  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .238865

THE AMR FOR THIS RIFLE IS: 1.326

**CENTROIDAL DISTANCES**

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .229687 |
| 1 TO | 2 | .172818 |
| 1 TO | 3 | .309561 |
| 1 TO | 4 | .451249 |
| 1 TO | 5 | .963017 |

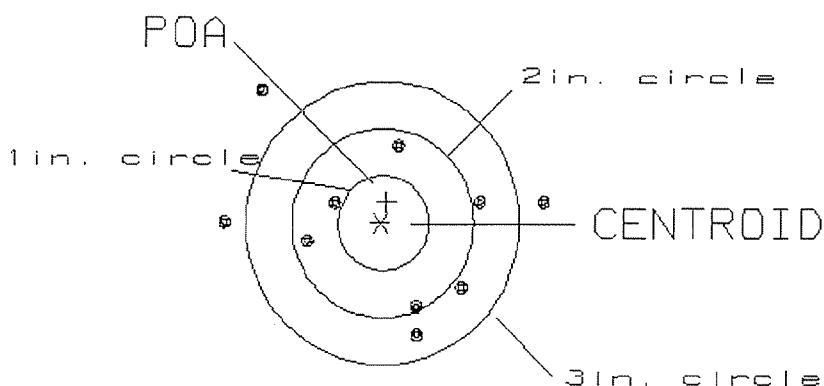
5  
3+ <----POA  
2 |  
4

PATTERN #: 1  
 POA TO CENTROID: .230  
 MIN RADIUS : .598  
 MEAN RADIUS : 1.203  
 MAX RADIUS : 1.945  
 CENTROID X : -.066  
 CENTROID Y : -.220

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6587664

# CENTERFIRE PATTERN # 1



# OF SHOTS= 10

# IN CIRCLE

HS= 3.41  
 VS= 2.63  
 GS= 3.42

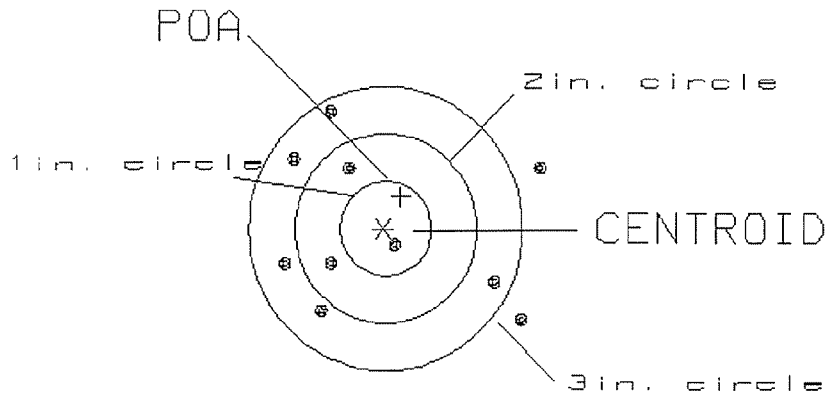
0  
 4  
 7

PATTERN #: 2  
 POA TO CENTROID: .387  
 MIN RADIUS : .169  
 MEAN RADIUS : 1.151  
 MAX RADIUS : 1.820  
 CENTROID X : -.195  
 CENTROID Y : -.335

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6587664

# CENTERFIRE PATTERN # 2



# OF SHOTS= 10

# IN CIRCLE

HS= 2.80  
 VS= 2.21  
 GS= 3.03

1  
 3  
 8

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

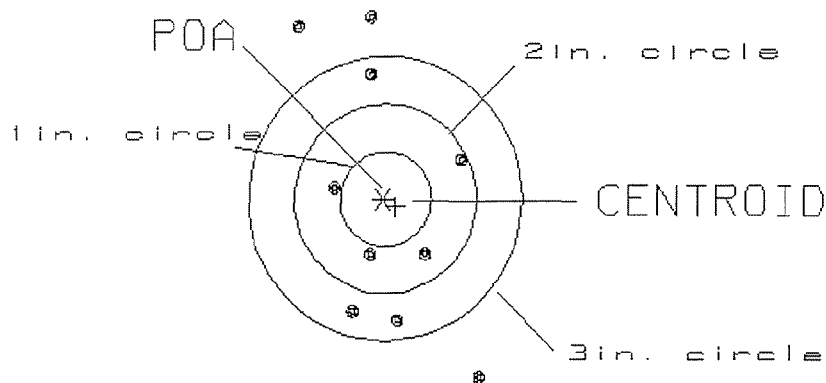
PATTERN #: 3

POA TO CENTROID: .157  
 MIN RADIUS : .577  
 MEAN RADIUS : 1.286  
 MAX RADIUS : 2.106  
 CENTROID X : -.134  
 CENTROID Y : .082

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6587664

## CENTERFIRE PATTERN # 3



# OF SHOTS= 10

# IN CIRCLE

HS= 1.98

0

VS= 3.80

4

GS= 4.17

7

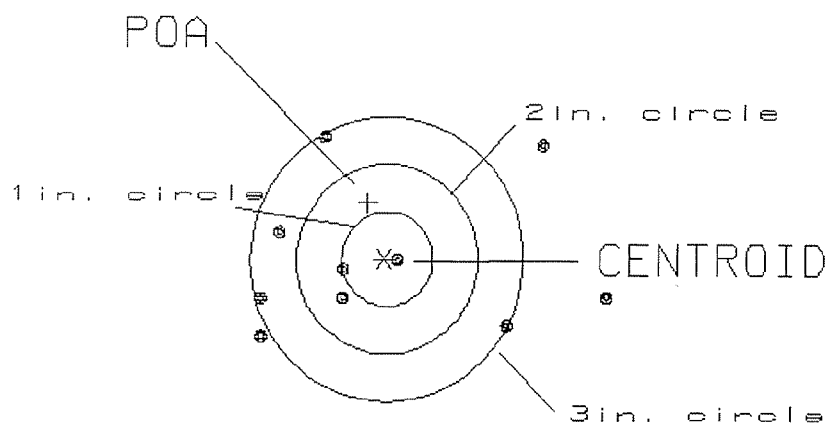
PATTERN #: 4

POA TO CENTROID: .623  
 MIN RADIUS : .144  
 MEAN RADIUS : 1.316  
 MAX RADIUS : 2.436  
 CENTROID X : .185  
 CENTROID Y : -.595

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6587664

# CENTERFIRE PATTERN # 4



# OF SHOTS= 10

# IN CIRCLE

HS= 3.82  
 VS= 2.09  
 GS= 3.85

1  
 3  
 6

**BARBER - M24 0024814**

REMINGTON CENTERFIRE ACCURACY TEST

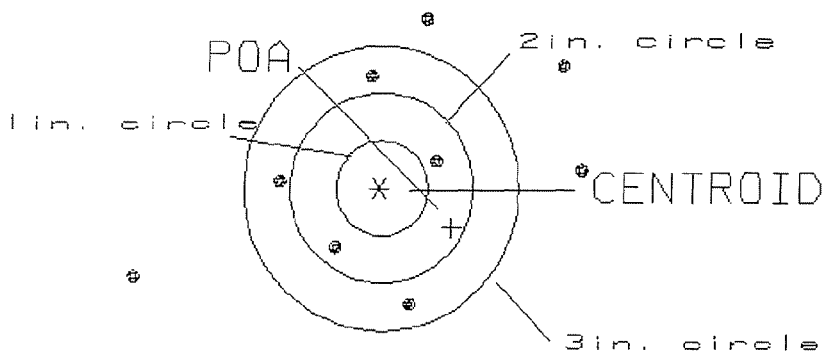
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5  
 POA TO CENTROID: .893  
 MIN RADIUS : .621  
 MEAN RADIUS : 1.673  
 MAX RADIUS : 2.836  
 CENTROID X : -.790  
 CENTROID Y : .415

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6587664

**CENTERFIRE PATTERN # 5**



# OF SHOTS= 10

# IN CIRCLE

HS= 4.87  
 VS= 3.98  
 GS= 5.21

0  
 2  
 5

**BARBER - M24 0024815**

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6587664  
22 Jun 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0128  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0362  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0383964

THE AMR FOR THIS RIFLE IS: .9504

**CENTROIDAL DISTANCES**

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .212219 |
| 1 TO | 2 | .113111 |
| 1 TO | 3 | .370643 |
| 1 TO | 4 | .548457 |
| 1 TO | 5 | .310698 |

4  
1 +5 <----POA  
2 3

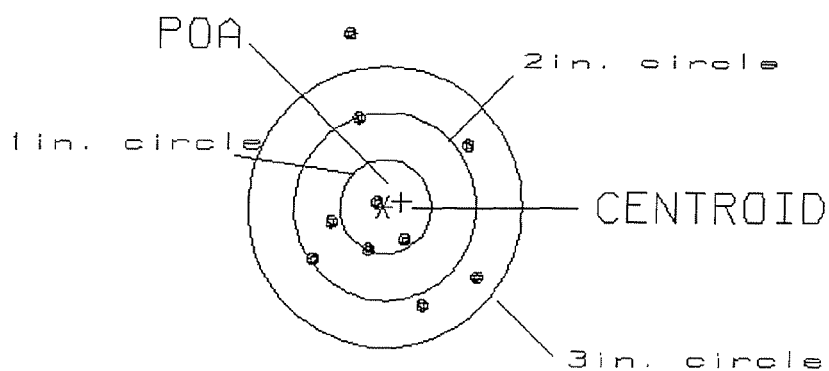
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .212  
 MIN RADIUS : .145  
 MEAN RADIUS : .912  
 MAX RADIUS : 1.863  
 CENTROID X : -.206  
 CENTROID Y : -.051

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6587664.1

# CENTERFIRE PATTERN # 1



# OF SHOTS= 10

# IN CIRCLE

HS= 1.82  
 VS= 2.62  
 GS= 2.97

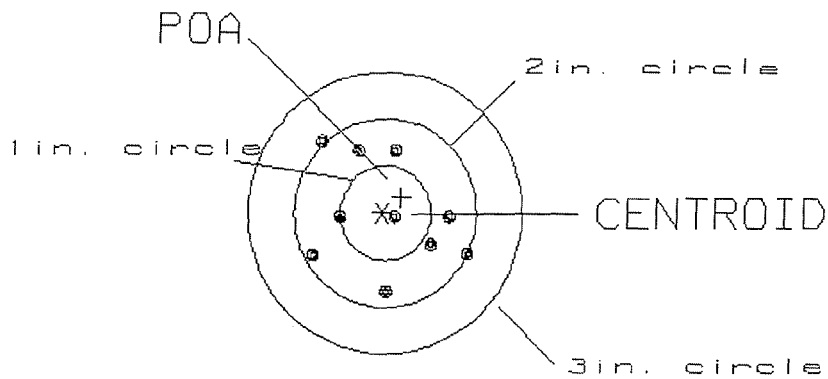
2  
 4  
 9

PATTERN #: 2  
 POA TO CENTROID: .260  
 MIN RADIUS : .094  
 MEAN RADIUS : .698  
 MAX RADIUS : 1.073  
 CENTROID X : -.201  
 CENTROID Y : -.164

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6587664.1

# CENTERFIRE PATTERN # 2



# OF SHOTS= 10

# IN CIRCLE

HS= 1.71  
 VS= 1.65  
 GS= 2.07

2  
 8  
 10

REMINGTON CENTERFIRE ACCURACY TEST

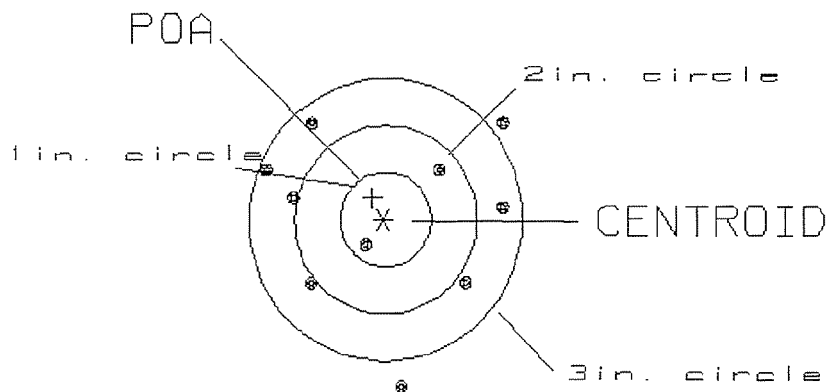
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐  
 POA TO CENTROID: .259  
 MIN RADIUS : .369  
 MEAN RADIUS : 1.168  
 MAX RADIUS : 1.805  
 CENTROID X : .118  
 CENTROID Y : -.231

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6587664.1

# CENTERFIRE PATTERN # 3



# OF SHOTS= 10

# IN CIRCLE

HS= 2.57

1

VS= 2.81

2

GS= 3.01

8

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

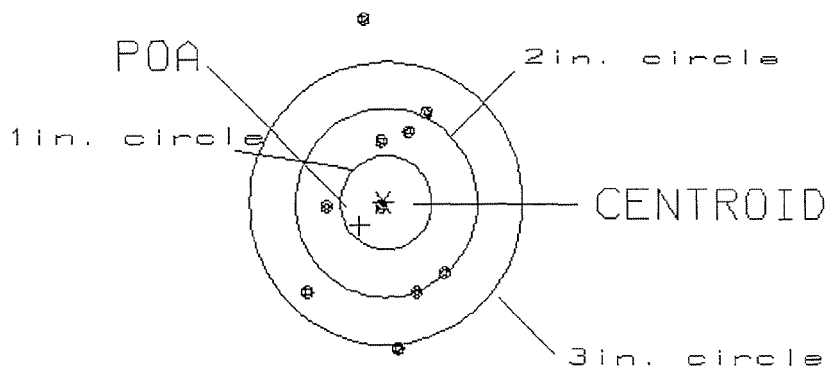
PATTERN #: 4

POA TO CENTROID: .354  
MIN RADIUS : .095  
MEAN RADIUS : .996  
MAX RADIUS : 1.978  
CENTROID X : .257  
CENTROID Y : .243

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6587664.1

## CENTERFIRE PATTERN # 4



# OF SHOTS= 10

# IN CIRCLE

HS= 1.42

1

VS= 3.49

6

GS= 3.52

8

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

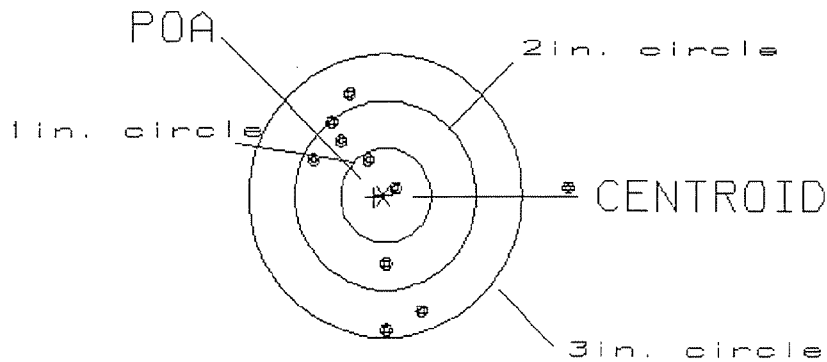
PATTERN #: 5

POA TO CENTROID: .098  
 MIN RADIUS : .141  
 MEAN RADIUS : .978  
 MAX RADIUS : 2.032  
 CENTROID X : .096  
 CENTROID Y : .022

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6587664.1

# CENTERFIRE PATTERN # 5



# OF SHOTS= 10

# IN CIRCLE

HS= 2.78

2

VS= 2.45

6

GS= 2.79

9