

C6225217

MODEL 700<sup>TM</sup> M24

Model **SMS**<sup>TM</sup>

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

**Remington**<sup>®</sup>



M-24 INSPECTION CHECKLIST  
CONTRACT #: DAAE-20-97-C-242

|                     |                          |           |         |
|---------------------|--------------------------|-----------|---------|
| R & E NUMBER        |                          | 14581     |         |
| SERIAL NUMBER       |                          | C6225217  |         |
| LOG-IN DATE         |                          | 9-27-00   |         |
| INSPECT AND VERIFY: |                          |           |         |
| OPERATION #         | OPERATION NAME           | DATE      | INITIAL |
| 550                 | DIS-ASSEMBLE GUN         | 10-11-00  | CK      |
| 560 A               | RE-BARREL AT CUSTOM SHOP |           |         |
| B                   | DRILL AND TAP            |           |         |
| C                   | POLISH                   |           |         |
| 575                 | ASSEMBLE                 |           |         |
| 600                 | PROOF                    | 10-26-00  | CK      |
| 605                 | CHECK HEADSPACE          | 10-26-00  | CK      |
| 610                 | DIS-ASSEMBLE GUN         |           |         |
| 612                 | MAGNAFLUX                |           |         |
| 615                 | ROLLMARK CALIBER         |           |         |
| 618                 | ROTO-BLAST               |           |         |
| 620                 | APPLY COATINGS           |           |         |
| 625 A               | FINAL ASSEMBLY           |           |         |
| B                   | TRIGGER PULL TEST        |           |         |
| C                   | SAFETY "ON" FORCE        |           |         |
| D                   | SAFETY "OFF" FORCE       |           |         |
| E                   | FIRING PIN INDENT        |           |         |
| 640                 | TARGET                   | 11-27-00  | CK      |
| 655                 | FINAL INSPECT            | 11-27-00  | CK      |
| 660                 | PACK                     |           |         |
|                     |                          |           |         |
|                     |                          | SHIP DATE |         |
| QAR INSPECTION DATE |                          |           |         |

# Final Inspection

S/N: C225217

DATE REC'D: 9-27-00

DATE RET'D:

AUDITOR: CLK

Item:

Barrel Assy.

☒ BARREL

☒ RECEIVER

☒ FRONT SIGHT BLOCK

☒ REAR SIGHT BLOCK

☒ SCREWS

☒ FINISH

Scope Assy.

☒ SCOPE

☒ SCOPE RINGS

☒ MOUNTING SCREWS

☒ MOUNTING BASE

☒ SCREWS

☒ FINISH

☒ LOOSENESS

☒ CLARITY

Item:

Stock Assy.

☒ STOCK

☒ SLING SWIVEL STUDS

☒ ADJUSTABLE BUTT PLATE

☒ LOCK NUTS

☒ BARREL CLEARANCE

☒ COLOR/FINISH

Systems Case

☐ SCOPE CASE

☐ IRON SIGHTS

☐ DEPLOYMENT KIT

Trigger

☒ SAFETY OPERATION

☒ SET

Comments:

Misc.

☐ DD-250

☐ BAR CODE

☐ PACKAGING

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6225217  
15 Nov 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3468  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.067  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .353213

THE AMR FOR THIS RIFLE IS: 1.252

# CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| Ø TO | 1 | .523704 |
| 1 TO | 2 | .461027 |
| 1 TO | 3 | .190011 |
| 1 TO | 4 | 1.04141 |
| 1 TO | 5 | 1.07993 |

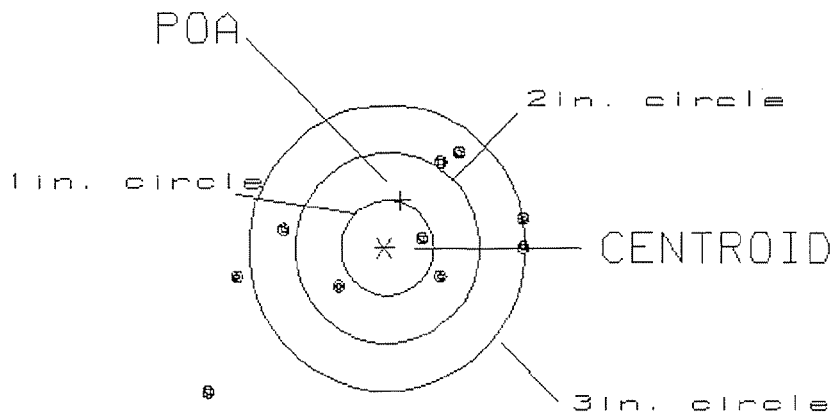
5  
4  
2+ <----POA  
1 3

PATTERN #: L 1 C  
 POA TO CENTROID: .524  
 MIN RADIUS : .348  
 MEAN RADIUS : 1.202  
 MAX RADIUS : 2.459  
 CENTROID X : -.171  
 CENTROID Y : -.495

15 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/C6225217.1.1

# CENTERFIRE PATTERN # 1



# OF SHOTS= 10

# IN CIRCLE

HS= 3.42

1

VS= 2.49

3

GS= 3.83

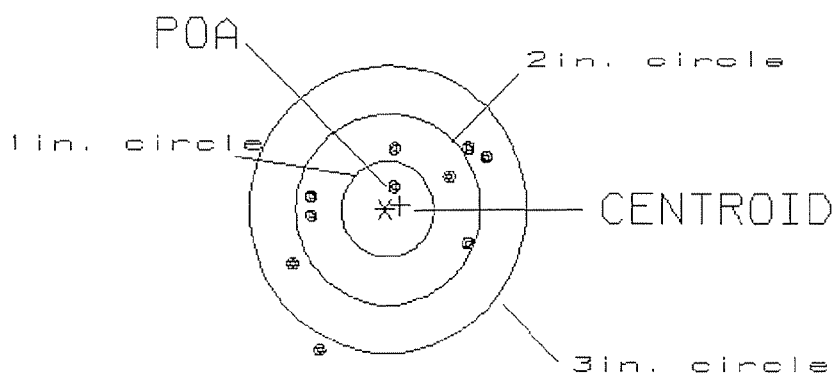
6

PATTERN #: 2  
 POA TO CENTROID: .169  
 MIN RADIUS : .257  
 MEAN RADIUS : .936  
 MAX RADIUS : 1.656  
 CENTROID X : -.166  
 CENTROID Y : -.034

15 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/C6225217.1.1

# CENTERFIRE PATTERN # 2



# OF SHOTS= 10

# IN CIRCLE

HS= 2.08

1

VS= 2.08

6

GS= 2.66

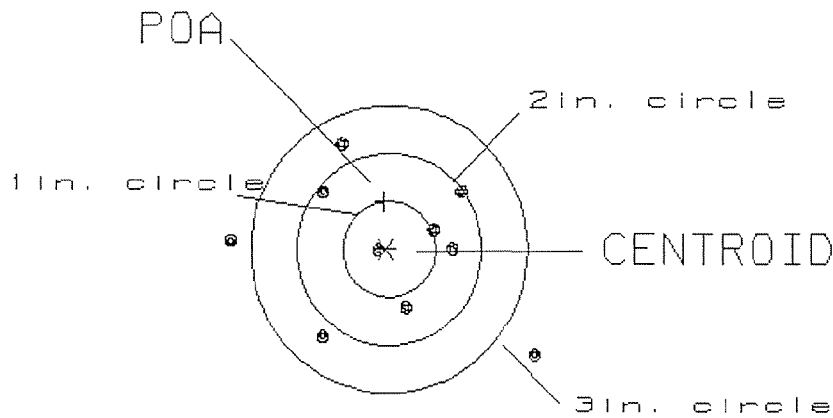
9

PATTERN #: ☐ 3 ☐  
 POA TO CENTROID: .497  
 MIN RADIUS : .075  
 MEAN RADIUS : .983  
 MAX RADIUS : 1.892  
 CENTROID X : .019  
 CENTROID Y : -.497

15 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/C6225217.1.1

# CENTERFIRE PATTERN # 3



# OF SHOTS= 10

# IN CIRCLE

HS= 3.32

1

VS= 2.14

5

GS= 3.52

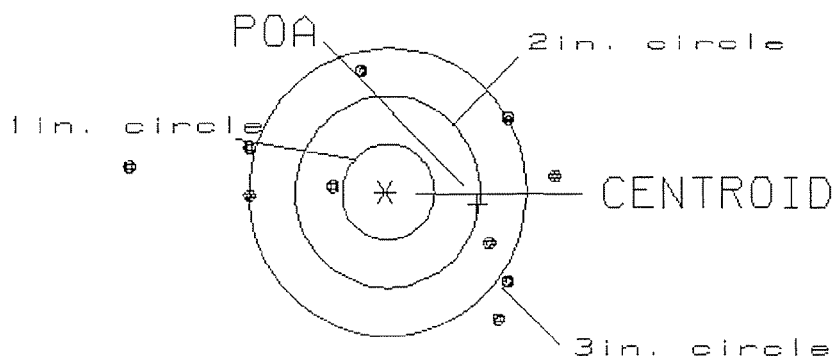
8

PATTERN #: 4  
 POA TO CENTROID: 1.010  
 MIN RADIUS : .649  
 MEAN RADIUS : 1.582  
 MAX RADIUS : 2.851  
 CENTROID X : -1.001  
 CENTROID Y : .134

15 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/CG225217.1.1

# CENTERFIRE PATTERN # 4



# OF SHOTS= 10

# IN CIRCLE

H3= 4.66

0

V5= 2.62

1

GS= 4.66

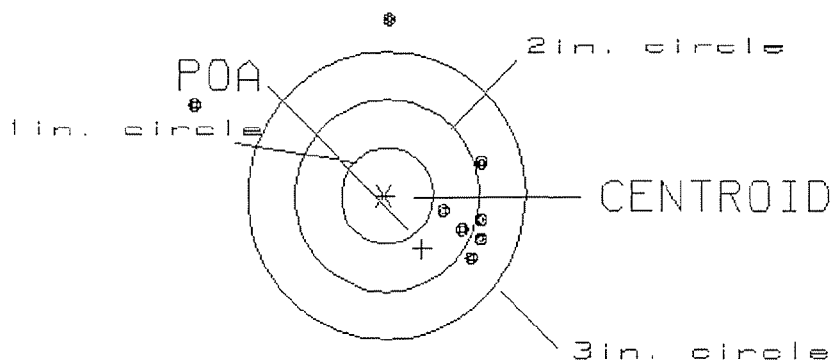
4

PATTERN #: 5  
 POA TO CENTROID: .694  
 MIN RADIUS : .621  
 MEAN RADIUS : 1.559  
 MAX RADIUS : 4.491  
 CENTROID X : -.415  
 CENTROID Y : .557

15 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/C6225217.1.1

# CENTERFIRE PATTERN # 5



# OF SHOTS= 10

# IN CIRCLE

HS= 5.47

0

VS= 2.71

2

GS= 5.58

7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225217

| OP. #        | OP. NAME                                                       | READINGS                     | DATE    | INIT |
|--------------|----------------------------------------------------------------|------------------------------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | <div>QUALITY<br/>AUDIT</div> | 4 21 89 | RW   |
| 600          | Proof                                                          |                              | 4 21 89 | RW   |
| 607          | Check Headspace                                                |                              | 4 21 89 | RW   |
| 610          | Dis-assemble Gun                                               |                              | 4 21 89 | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |                              | 4/26    | KCR  |
|              | Magnaflux Bolt                                                 |                              | 4/27    | KCR  |
| 615          | Rollmark Caliber                                               |                              | 4/27    | SS   |
| 617          | Drill and Tap Sight Holes                                      | 4 27                         | 89      | WB   |
| 618          | Polish Barrel RB                                               | 4 27                         | 89      | BT   |
| 620          | Apply Coatings<br>(Barrel Action)                              |                              | 5/28/89 | TS   |
|              | Apply Coating (Bolt)                                           |                              |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |                              | 5/18/89 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |                              | 5/18/89 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |                              | 5/18/89 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |                              | 5/18/89 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |                              | 5/26/89 | WB   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE       | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|------------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 5    |      |      | 5/26/89    | RW   |
|              | G) Safety Off Force                                         | 4        | 4    | 4    |      |      | 5/26/89    | RW   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 5/26/89    | WB   |
|              | I) Firing Pin Indent                                        | .021     | .021 | .021 |      |      | 5/26/89    | RW   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 5/31/89    | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 5/31/89    | JD   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 5/31/89    | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 5/31/89    | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 5/31/89    | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 5/31/89    | JD   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 5/31/89    | JD   |
| 640          | Gallery Target & Test                                       | 67 R     | 84 L |      |      |      | 5/31/89    | DH   |
|              | A) Time                                                     |          |      |      |      |      | 5/31/89    | DH   |
|              | B) Malfunctions                                             |          |      |      |      |      | 5/31/89    | DH   |
|              | C) Pierced Primers                                          |          |      |      |      |      | 5/31/89    | DH   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | 5/31/89    | DH   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 5/31/89    | DH   |
| 655          | Final Inspection                                            |          |      |      |      |      | 10 June 89 | JD   |
|              | A) Headspace                                                |          |      |      |      |      | 10 June 89 | JD   |
|              | B) Trigger Pull                                             | 2.27     | 2.37 | 2.43 | 2.36 | 2.41 | 10 June 89 | JD   |
|              | C) Function                                                 |          |      |      |      |      | 10 June 89 | JD   |
| 660          | Pack                                                        |          |      |      |      |      | 27 June 89 | JD   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#  
3.00# ± .75#  
4.00# ± 1.00#

SERIAL NO. 5217  
~~C6348790~~

DATE 2007-09

TESTER JLH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.34             | 2.31                     | 2.42                           | 2.73  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.34             | 2.28                     | 2.33                           | 2.75  |                                                                        |
| PULL #3 | 2.36             | 2.26                     | 2.35                           | 2.71  |                                                                        |
| PULL #4 | 2.39             | 2.28                     | 2.30                           | 2.82  |                                                                        |
| PULL #5 | 2.47             | 2.31                     | 2.29                           | 2.73  |                                                                        |
| TOTAL   | 11.90            | 11.44                    | 11.69                          | 13.74 |                                                                        |
| AVG.    | 2.38             | 2.288                    | 2.338                          | 2.748 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.41             | 3.27                     |  |          |
| PULL #2 | 3.30             | 3.26                     |  |          |
| PULL #3 | 3.26             | 3.28                     |  |          |
| PULL #4 | 3.23             | 3.24                     |  |          |
| PULL #5 | 3.26             | 3.27                     |  |          |
| TOTAL   | 16.46            | 16.32                    |  |          |
| AVG.    | 3.292            | 3.264                    |  |          |

|         | 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 | 4.30             | 4.18                     |                                | 4.24                                 |
| PULL #2 | 4.19             | 4.20                     |                                | 4.26                                 |
| PULL #3 | 4.15             | 4.18                     |                                | 4.27                                 |
| PULL #4 | 4.18             | 4.20                     |                                | 4.26                                 |
| PULL #5 | 4.20             | 4.19                     |                                | 4.23                                 |
| TOTAL   | 21.02            | 20.95                    |                                | 21.26                                |
| AVG.    | 4.204            | 4.19                     |                                | 4.252                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06225217  
1 Jun 1989

CENTROIDAL DISTANCES

|        |         |
|--------|---------|
| 0 TO 1 | .633925 |
| 1 TO 2 | .745268 |
| 1 TO 3 | .832332 |
| 1 TO 4 | .305144 |
| 1 TO 5 | .424438 |

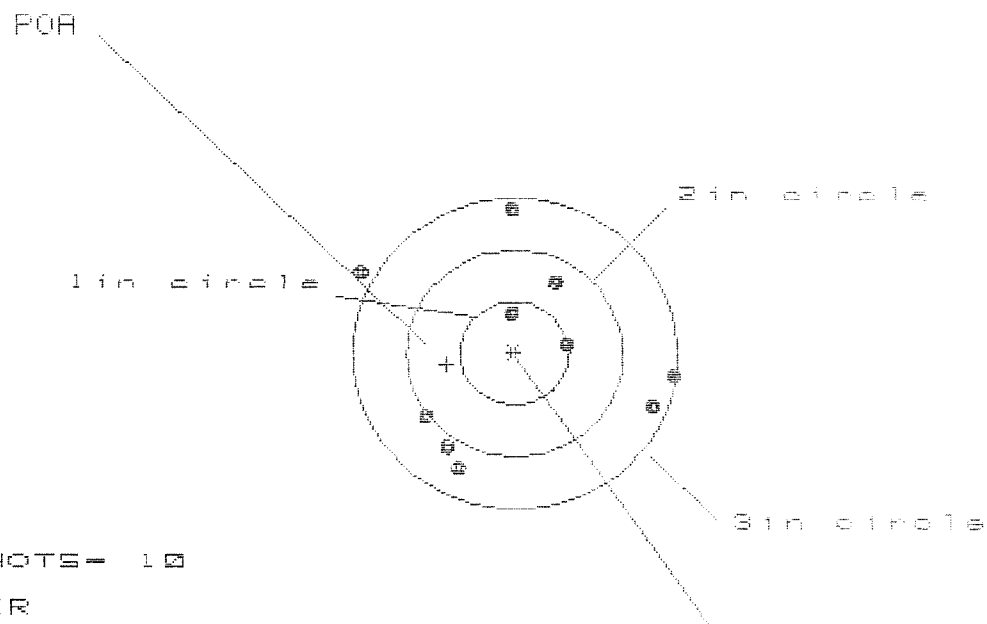
$\begin{matrix} 5 \\ 4 \\ 3 \\ 2 \end{matrix} \begin{matrix} 1 \\ 1 \\ 1 \\ 1 \end{matrix}$  <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2844  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1224  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .309621  
THE AMR FOR THIS RIFLE IS: .9256

31 May 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/05225217

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 3

3 in = 9

HS= 2.949

VS= 2.440

GS= 3.129

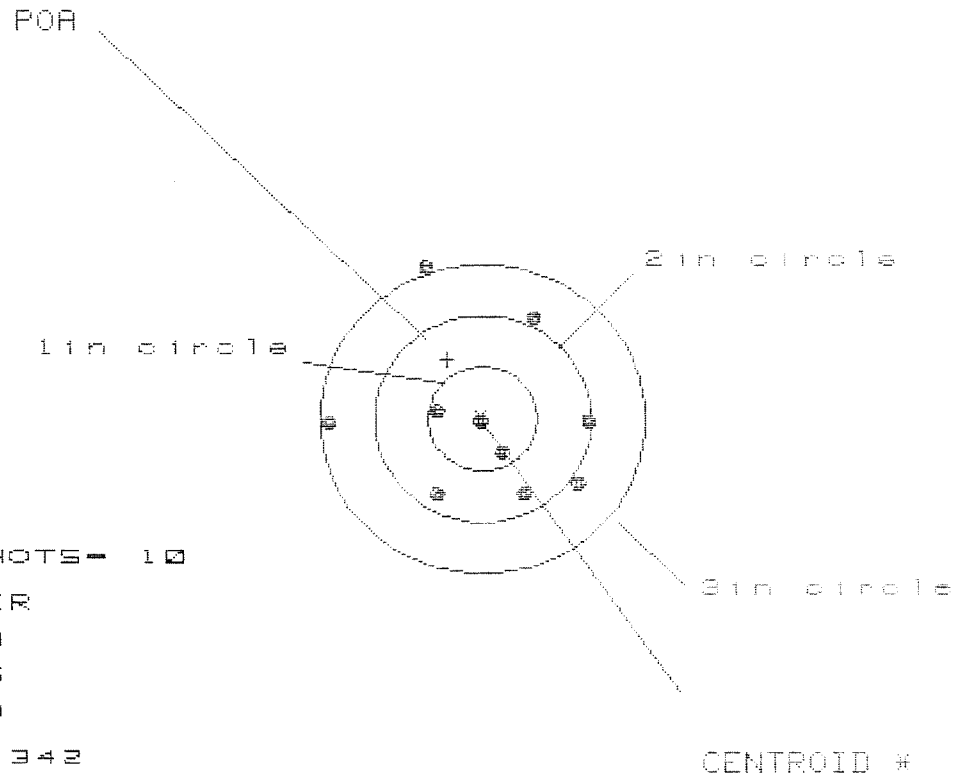
CENTROID #

| PATTERN #                   | : | 1      | 2      | 3      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.476  | 1.313  | 1.258  |
| MINIMUM X                   | : | -1.472 | -1.027 | -0.863 |
| MAXIMUM Y                   | : | 1.379  | 1.471  | 1.455  |
| MINIMUM Y                   | : | -1.061 | -0.969 | -0.985 |
| CENTROID X                  | : | .625   | .789   | .625   |
| CENTROID Y                  | : | .106   | .014   | .030   |
| POA TO CENTROID in.         | : | .634   | .789   | .626   |
| MIN RADIUS                  | : | .380   | .314   | .456   |
| MEAN RADIUS                 | : | 1.085  | 1.006  | .963   |
| MAX RADIUS                  | : | 1.690  | 1.487  | 1.456  |
| HORIZONTAL SPREAD           | : | 2.949  | 2.340  | 2.121  |
| VERTICAL SPREAD             | : | 2.440  | 2.440  | 2.440  |
| EXTREME SPREAD              | : | 3.129  | 2.481  | 2.481  |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 3      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 9      |        |        |

31 May 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225217

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.342

VS= 2.195

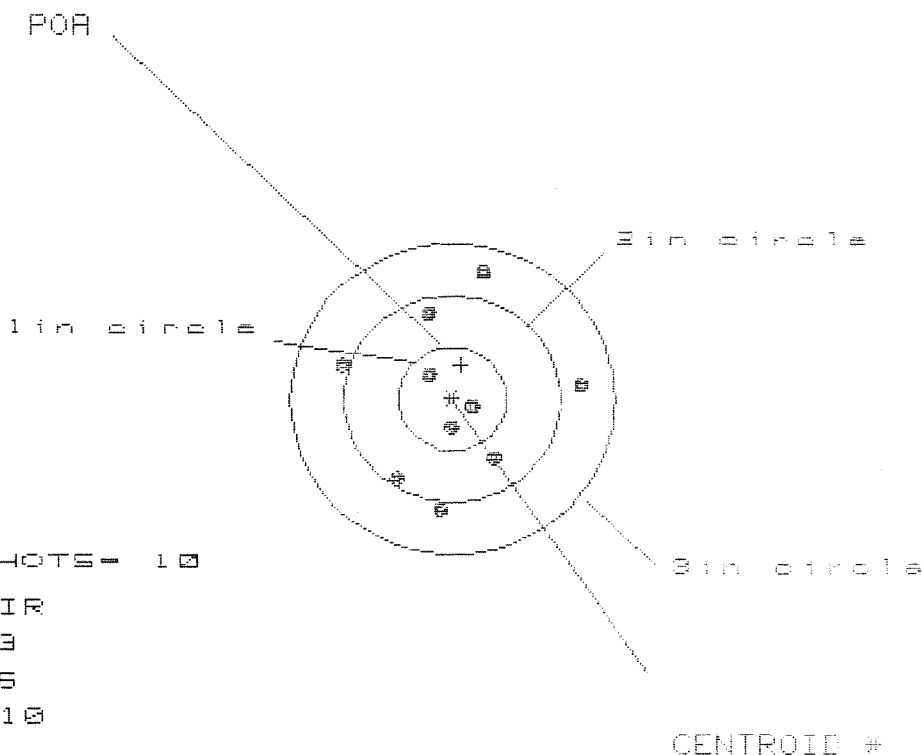
GS= 2.510

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 2      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .952   | .892   | .711  |
| MINIMUM X                   | : | -1.390 | -1.450 | -.704 |
| MAXIMUM Y                   | : | 1.470  | 1.098  | 1.110 |
| MINIMUM Y                   | : | -.725  | -.562  | -.550 |
| CENTROID X                  | : | .320   | .380   | .561  |
| CENTROID Y                  | : | -.574  | -.737  | -.749 |
| POA TO CENTROID in.         | : | .657   | .829   | .935  |
| MIN RADIUS                  | : | .048   | .201   | .200  |
| MEAN RADIUS                 | : | .853   | .754   | .661  |
| MAX RADIUS                  | : | 1.565  | 1.453  | 1.131 |
| HORIZONTAL SPREAD           | : | 2.342  | 2.342  | 1.415 |
| VERTICAL SPREAD             | : | 2.195  | 1.660  | 1.660 |
| EXTREME SPREAD              | : | 2.510  | 2.342  | 1.823 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

31 May 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225217

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.187

VS= 2.307

GS= 2.352

|                               |   |        |       |       |
|-------------------------------|---|--------|-------|-------|
| PATTERN #                     | : | 3      |       |       |
| SHOTS (BEST OF)               | : | 10     | 9     | 8     |
| MAXIMUM X                     | : | 1.198  | 1.233 | .554  |
| MINIMUM X                     | : | -.989  | -.954 | -.799 |
| MAXIMUM Y                     | : | 1.206  | .963  | .999  |
| MINIMUM Y                     | : | -1.101 | -.967 | -.931 |
| CENTROID X                    | : | -.084  | -.119 | -.273 |
| CENTROID Y                    | : | -.330  | -.464 | -.500 |
| POA TO CENTROID in.           | : | .340   | .479  | .570  |
| MIN RADIUS                    | : | .177   | .142  | .216  |
| MEAN RADIUS                   | : | .776   | .707  | .644  |
| MAX RADIUS                    | : | 1.247  | 1.267 | .999  |
| HORIZONTAL SPREAD             | : | 2.187  | 2.187 | 1.354 |
| VERTICAL SPREAD               | : | 2.307  | 1.930 | 1.930 |
| EXTREME SPREAD                | : | 2.352  | 2.194 | 1.931 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 3     |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 6     |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 10    |       |

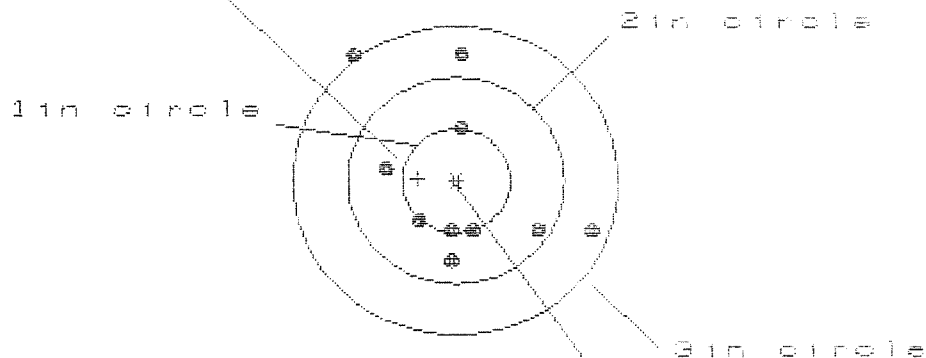
31 May 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225217

# CENTERFIRE PATTERNS

# 4

POB



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 7

3in = 9

HS = 2.172

VS = 2.015

GS = 2.741

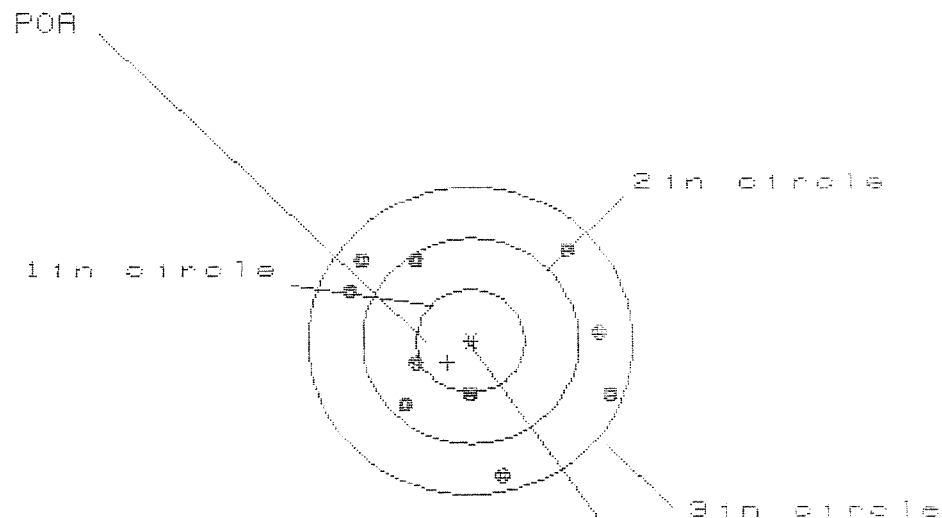
CENTROID #

|                             |   |       |       |       |
|-----------------------------|---|-------|-------|-------|
| PATTERN #                   | : | 4     |       |       |
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | 1.202 | 1.094 | .736  |
| MINIMUM X                   | : | -.970 | -.786 | -.649 |
| MAXIMUM Y                   | : | 1.234 | 1.369 | 1.329 |
| MINIMUM Y                   | : | -.781 | -.646 | -.686 |
| CENTROID X                  | : | .348  | .456  | .319  |
| CENTROID Y                  | : | -.022 | -.157 | -.117 |
| POB TO CENTROID in.         | : | .349  | .482  | .340  |
| MIN RADIUS                  | : | .480  | .322  | .412  |
| MEAN RADIUS                 | : | .847  | .738  | .680  |
| MAX RADIUS                  | : | 1.556 | 1.371 | 1.330 |
| HORIZONTAL SPREAD           | : | 2.172 | 1.980 | 1.385 |
| VERTICAL SPREAD             | : | 2.015 | 2.015 | 2.015 |
| EXTREME SPREAD              | : | 2.741 | 2.056 | 2.018 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 7     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 9     |       |

31 May 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/08225217

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 4

3in = 10

HS= 2.391

VS= 2.178

GS= 2.668

CENTROID #

| PATTERN #                   | : | 5      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.308  | 1.372  | 1.429 |
| MINIMUM X                   | : | -1.083 | -.937  | -.880 |
| MAXIMUM Y                   | : | .902   | .842   | .675  |
| MINIMUM Y                   | : | -1.276 | -1.336 | -.881 |
| CENTROID X                  | : | .213   | .067   | .010  |
| CENTROID Y                  | : | .208   | .268   | .435  |
| POA TO CENTROID in.         | : | .297   | .276   | .435  |
| MIN RADIUS                  | : | .506   | .476   | .549  |
| MEAN RADIUS                 | : | 1.067  | 1.007  | .948  |
| MAX RADIUS                  | : | 1.416  | 1.413  | 1.432 |
| HORIZONTAL SPREAD           | : | 2.391  | 2.309  | 2.309 |
| VERTICAL SPREAD             | : | 2.178  | 2.178  | 1.556 |
| EXTREME SPREAD              | : | 2.668  | 2.468  | 2.336 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

**Remington®**



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

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

**MODEL 700™ H24**

SERIAL NO.  
**C6225217**

ORDER NO.  
**5716**

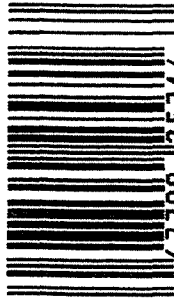
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