

06594552

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

**Remington®**

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

**DUPONT**

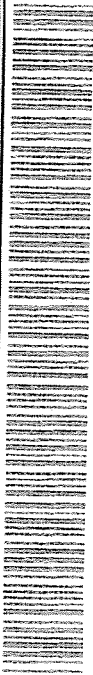
VERY IMPORTANT:  
Instruction Book  
enclosed to assure  
safe use of this  
firearm.

MODEL 700™ H24

SERIAL NO.  
C6594552

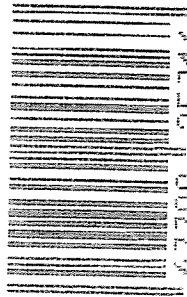
ORDER NO.  
5716

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



5716 C6594552

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6594552

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 12/26/90 | K.S. |
| 600          | Proof                                                          |          | 12/26/90 | K.S. |
| 607          | Check Headspace                                                |          | 12/26/90 | K.S. |
| 610          | Dis-assemble Gun                                               |          | 12/26/90 | K.S. |
| 612          | Magnaflux Barrel<br>Action                                     |          | 1-7-91   | KR   |
|              | Magnaflux Bolt                                                 |          | 1-7-91   | KR   |
| 615          | Rollmark Caliber                                               |          | 1-7-91   | LG   |
| 617          | Drill and Tap Sight Holes                                      | 1        | 10 91    | FB   |
| 618          | Polish Barrel                                                  | 1        | 10 91    | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 1-26-91  | JA   |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 2/11/91  | KA   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 2/11/91  | KA   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 2/11/91  | KA   |
|              | D) Oil Firing Pin Ass'y                                        |          | 2/11/91  | KA   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 2/12/91  | KA   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 7 1/2    | 7 1/2 | 7 1/2 |      |      | 2/12/91 | WB   |
|              | G) Safety Off Force                                         | 2 1/2    | 2 1/2 | 2 1/2 |      |      | 2/12/91 | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 2/12/91 | 80.  |
|              | I) Firing Pin Indent                                        | .0213    | .021  | .021  |      |      | 2/12/91 | WB   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 2/2/91  | KA   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 2-22-91 | A    |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 2/12/91 | KA   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 2/12/91 | KA   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 2/12/91 | KA   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 2/12/91 | KS   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 2/12/91 | KS   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 2/12/91 | NF   |
|              | A) Time                                                     |          |       |       |      |      |         | NF   |
|              | B) Malfunctions                                             |          |       |       |      |      |         | NF   |
|              | C) Pierced Primers                                          |          |       |       |      |      |         | NF   |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      |         | NF   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 2/12/91 | NF   |
| 655          | Final Inspection                                            |          |       |       |      |      |         |      |
|              | A) Headspace                                                |          |       |       |      |      | 2-22-91 | A    |
|              | B) Trigger Pull                                             | 2.35     | 2.34  | 2.40  | 2.43 | 2.45 | 2/20/91 | WB   |
|              | C) Function                                                 |          |       |       |      |      | 2-22-91 | A    |
| 660          | Pack                                                        |          |       |       |      |      | 3-18-91 | NF   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594552

DATE 2/12/91

TESTER J.P.

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.26             | 2.32                     | 2.30                           | 2.35 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.33             | 2.30                     | 2.30                           | 2.34 |                                                                        |
| PULL #3 | 2.28             | 2.29                     | 2.28                           | 2.40 |                                                                        |
| PULL #4 | 2.31             | 2.29                     | 2.30                           | 2.43 |                                                                        |
| PULL #5 | 2.27             | 2.28                     | 2.31                           | 2.45 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.44             | 3.39                     |  |          |
| PULL #2 | 3.33             | 3.23                     |  |          |
| PULL #3 | 3.33             | 3.19                     |  |          |
| PULL #4 | 3.35             | 3.26                     |  |          |
| PULL #5 | 3.36             | 3.33                     |  |          |
| 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 | 4.42             | 4.46                     |                                | 4.21                                 |
| PULL #2 | 4.37             | 4.33                     |                                | 4.19                                 |
| PULL #3 | 4.45             | 4.18                     |                                | 4.33                                 |
| PULL #4 | 4.48             | 4.41                     |                                | 4.36                                 |
| PULL #5 | 4.45             | 4.19                     |                                | 4.45                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6594552  
13 Feb 1991

CENTROIDAL DISTANCES

0 TO 1 .126036  
1 TO 2 .20107  
1 TO 3 .321734  
1 TO 4 .213663  
1 TO 5 .142215

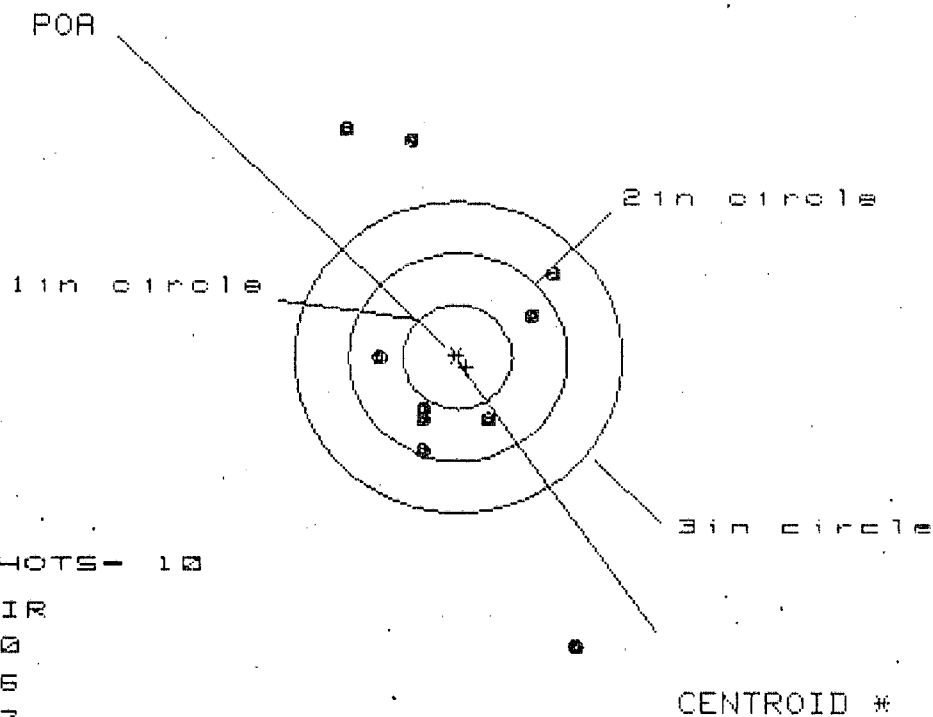
4.5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0112  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0504  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0516294  
THE AMR FOR THIS RIFLE IS: 1.014

13 Feb 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6594552

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 6

3in = 7

HS= 2.056

VS= 4.992

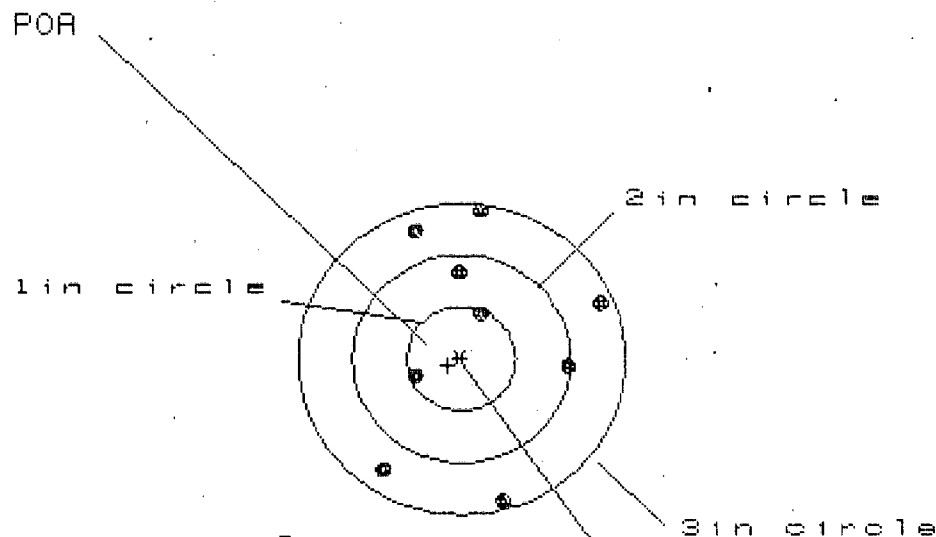
GS= 5.399

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 1      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.082  | 1.034  | .927   |
| MINIMUM X                   | : | -.974  | -.853  | -.677  |
| MAXIMUM Y                   | : | 2.179  | 1.867  | 2.033  |
| MINIMUM Y                   | : | -2.813 | -1.242 | -1.009 |
| CENTROID X                  | : | -.078  | -.199  | -.092  |
| CENTROID Y                  | : | .099   | .412   | .179   |
| POA TO CENTROID in.         | : | .127   | .457   | .201   |
| MIN RADIUS                  | : | .613   | .645   | .678   |
| MEAN RADIUS                 | : | 1.315  | 1.169  | .985   |
| MAX RADIUS                  | : | 3.014  | 2.053  | 2.079  |
| HORIZONTAL SPREAD           | : | 2.056  | 1.887  | 1.604  |
| VERTICAL SPREAD             | : | 4.992  | 3.109  | 3.042  |
| EXTREME SPREAD              | : | 5.399  | 3.177  | 3.045  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

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FILE:/PATTERNING/CENTERFIRE\_PATT/C6584552

# CENTERFIRE PATTERNS # 2



# OF SHOTS - 10

# IN CIR .

1in = 2

2in = 4

3in = 9

HS = 2.953

VS = 3.234

GS = 3.744

CENTROID \*

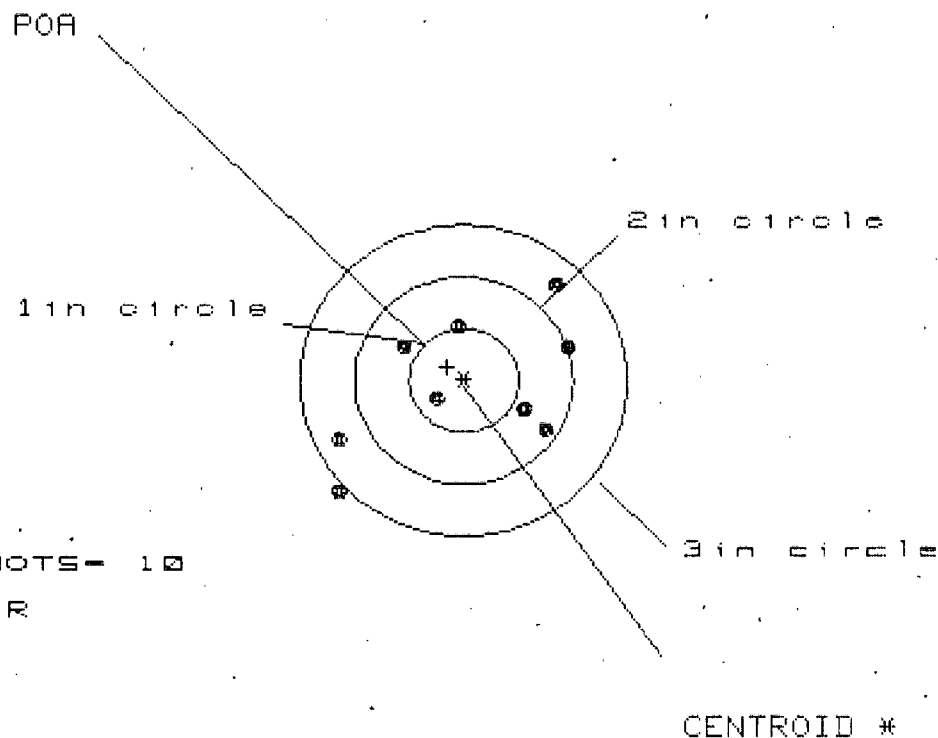
|                               |   |        |        |        |
|-------------------------------|---|--------|--------|--------|
| PATTERN #                     | : | 2      |        |        |
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.308  | 1.125  | 1.128  |
| MINIMUM X                     | : | -1.645 | -.868  | -.865  |
| MAXIMUM Y                     | : | 1.425  | 1.224  | 1.225  |
| MINIMUM Y                     | : | -1.809 | -1.535 | -1.382 |
| CENTROID X                    | : | .120   | .303   | .300   |
| CENTROID Y                    | : | .064   | .265   | .112   |
| POA TO CENTROID in.           | : | .136   | .402   | .320   |
| MIN RADIUS                    | : | .453   | .242   | .393   |
| MEAN RADIUS                   | : | 1.202  | 1.013  | 1.000  |
| MAX RADIUS                    | : | 2.445  | 1.551  | 1.407  |
| HORIZONTAL SPREAD             | : | 2.953  | 1.993  | 1.993  |
| VERTICAL SPREAD               | : | 3.234  | 2.759  | 2.607  |
| EXTREME SPREAD                | : | 3.744  | 2.766  | 2.728  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9      |        |



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# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.064

VS= 2.003

GS= 2.853

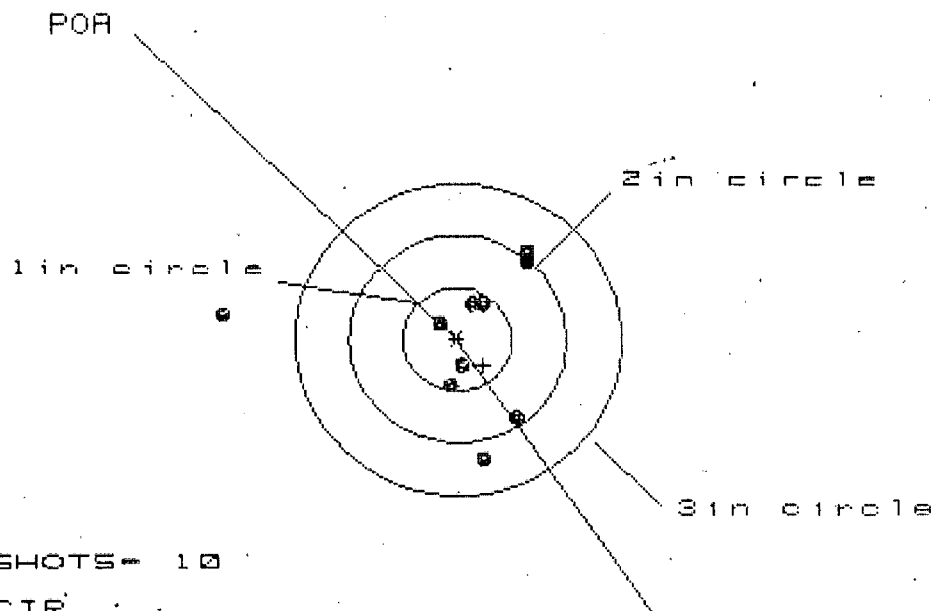
|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 3      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .927   | .801   | .897   |
| MINIMUM X                   | : | -1.137 | -1.244 | -1.148 |
| MAXIMUM Y                   | : | .911   | .790   | .488   |
| MINIMUM Y                   | : | -1.092 | -.698  | -.600  |
| CENTROID X                  | : | .150   | .276   | .180   |
| CENTROID Y                  | : | -.128  | -.007  | -.105  |
| POA TO CENTROID in.         | : | .197   | .276   | .208   |
| MIN RADIUS                  | : | .323   | .406   | .361   |
| MEAN RADIUS                 | : | .852   | .754   | .707   |
| MAX RADIUS                  | : | 1.576  | 1.427  | 1.295  |
| HORIZONTAL SPREAD           | : | 2.064  | 2.045  | 2.045  |
| VERTICAL SPREAD             | : | 2.003  | 1.488  | 1.088  |
| EXTREME SPREAD              | : | 2.853  | 2.503  | 2.248  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

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# CENTERFIRE PATTERNS

# 4



| PATTERN #                     | 4      | 9      | 8     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | .683   | .447   | .442  |
| MINIMUM X                     | -2.123 | -.430  | -.435 |
| MAXIMUM Y                     | .810   | .836   | .692  |
| MINIMUM Y                     | -1.177 | -1.151 | -.866 |
| CENTROID X                    | -.234  | .002   | .007  |
| CENTROID Y                    | .245   | .219   | .363  |
| POA TO CENTROID in.           | .339   | .219   | .363  |
| MIN RADIUS                    | .254   | .341   | .214  |
| MEAN RADIUS                   | .796   | .640   | .554  |
| MAX RADIUS                    | 2.136  | 1.152  | .901  |
| HORIZONTAL SPREAD             | 2.806  | .877   | .877  |
| VERTICAL SPREAD               | 1.987  | 1.987  | 1.558 |
| EXTREME SPREAD                | 2.848  | 2.039  | 1.566 |
| NUMBER IN ONE INCH CIRCLE =   | 5      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 7      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |       |

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FILE:/PATTERNING/CENTERFIRE\_PATT/06594552

# CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS= 10

# IN CIR

1 in = 0

2 in = 7

3 in = 9

HS= 1.988

VS= 2.156

GS= 2.302

|                             |   |       |       |       |
|-----------------------------|---|-------|-------|-------|
| PATTERN #                   | : | 5     |       |       |
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | 1.112 | 1.052 | .784  |
| MINIMUM X                   | : | -.876 | -.936 | -.804 |
| MAXIMUM Y                   | : | 1.451 | 1.075 | 1.140 |
| MINIMUM Y                   | : | -.705 | -.544 | -.479 |
| CENTROID X                  | : | -.014 | .046  | -.086 |
| CENTROID Y                  | : | -.028 | -.189 | -.254 |
| POA TO CENTROID in.         | : | .031  | .194  | .268  |
| MIN RADIUS                  | : | .548  | .494  | .440  |
| MEAN RADIUS                 | : | .904  | .801  | .737  |
| MAX RADIUS                  | : | 1.547 | 1.175 | 1.147 |
| HORIZONTAL SPREAD           | : | 1.988 | 1.988 | 1.588 |
| VERTICAL SPREAD             | : | 2.156 | 1.619 | 1.619 |
| EXTREME SPREAD              | : | 2.302 | 2.191 | 1.742 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 0     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 7     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 9     |       |