

05649270

MODEL 760<sup>TM</sup> N24

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

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.

*Remington*

*Smith*




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

MODEL 700™

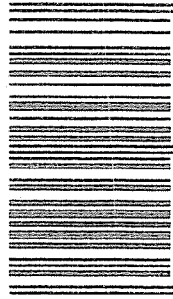
1124

SERIAL NO.  
C6649270

ORDER NO.  
5716

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

LPC



0 47700 25716 7



5716 C6649270

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649270

| OP. #        | OP. NAME                                                       | READINGS | DATE        | INIT |
|--------------|----------------------------------------------------------------|----------|-------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 7 2 9 1  |             | RW   |
| 600          | Proof                                                          | 7 2 9 1  |             | RW   |
| 607          | Check Headspace                                                | 7 2 9 1  |             | RW   |
| 610          | Dis-assemble Gun                                               | 7 2 9 1  |             | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | JUL 22 1991 | JS   |
|              | Magnaflux Bolt                                                 |          | JUL 22 1991 | JS   |
| 615          | Rollmark Caliber                                               |          | JUL 22 1991 | JS   |
| 617          | Drill and Tap Sight Holes                                      |          | JUL 22 1991 | FB   |
| 618          | Polish Barrel                                                  |          | 7/22/91     | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 7/22/91     | JS   |
|              | Apply Coating (Bolt)                                           |          |             | JS   |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 8/9/91      | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 8/9/91      | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 8/9/91      | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 8/9/91      | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 8-13-91     | JS   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 5    |      |      | 8-13-91 | JH   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |      | 8-13-91 | JH   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 8-13-91 | JH   |
|              | I) Firing Pin Indent                                        | 1020     | 1020 | 1020 |      |      | 8-13-91 | JH   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 8-17-91 | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 8-17-91 | D/H  |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 8-17-91 | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 8-17-91 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 8-17-91 | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 8-17-91 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 8-17-91 | RW   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 8-15-91 | NE   |
|              | A) Time                                                     |          |      |      |      |      | "       | NE   |
|              | B) Malfunctions                                             |          |      |      |      |      | "       | NE   |
|              | C) Pierced Primers                                          |          |      |      |      |      | "       | NE   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | "       | NE   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 8-15-91 | NE   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 8-17-91 | D/H  |
|              | B) Trigger Pull                                             | 2.53     | 2.52 | 2.55 | 2.47 | 2.56 | 8-17-91 | D/H  |
|              | C) Function                                                 |          |      |      |      |      | 8-17-91 | D/H  |
| 660          | Pack                                                        |          |      |      |      |      | 8-17-91 | D/H  |

## CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # 06649270

23 Aug 1991

## CENTROIDAL DISTANCES

|        |         |
|--------|---------|
| 0 TO 1 | .3676   |
| 1 TO 2 | .338999 |
| 1 TO 3 | .385292 |
| 1 TO 4 | .311978 |
| 1 TO 5 | .439892 |

L  
4

-----FOR

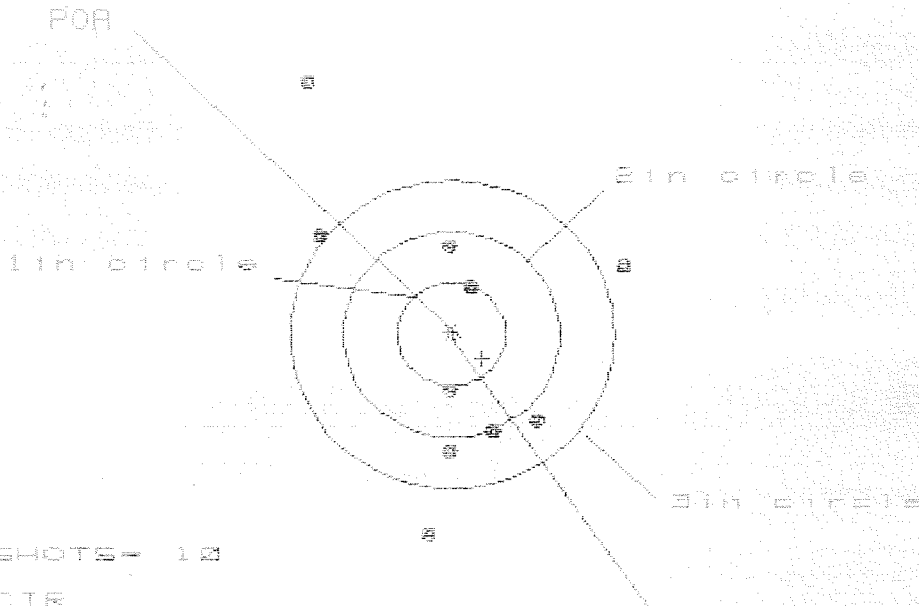
AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0772

AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0390

RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0362555

APR FOR THIS RIFLE IS: 1.018

CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1in = 0

2in = 3

3in = 7

MEAN = 2.833

SE = 4.453

SE = 4.576

CENTROID #

PATTERN #

1

| SHOTS (BEST OF)               | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| MAXIMUM X                     | 1.559  | 1.413  | 1.362  |
| MINIMUM X                     | -1.315 | -1.353 | -1.404 |
| MAXIMUM Y                     | 2.486  | 1.264  | 1.052  |
| MINIMUM Y                     | -1.967 | -1.691 | -1.066 |
| CENTROID X                    | -1.281 | -1.135 | -1.094 |
| CENTROID Y                    | 1.237  | -1.009 | 1.173  |
| FOR TO CENTROID in.           | 1.368  | 1.141  | 1.192  |
| MIN RADIUS                    | 1.545  | 1.297  | 1.513  |
| MEAN RADIUS                   | 1.323  | 1.098  | 1.029  |
| MAX RADIUS                    | 2.812  | 1.851  | 1.755  |
| HORIZONTAL SPREAD             | 2.874  | 2.766  | 2.766  |
| VERTICAL SPREAD               | 4.453  | 2.955  | 2.118  |
| EXTREME SPREAD                | 4.576  | 3.168  | 2.791  |
| NUMBER IN ONE INCH CIRCLE =   | 0      | 0      | 0      |
| NUMBER IN TWO INCH CIRCLE =   | 3      | 3      | 3      |
| NUMBER IN THREE INCH CIRCLE = | 6      | 6      | 6      |

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/ C6645270

# CENTERFIRE PATTERNS

# 2

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1 in = 4

2 in = 5

3 in = 8

ME = 0.403

VE = 1.617

CE = 0.499

PATTERN #

2

| SHOTS (BEST OF)               | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| MAXIMUM X                     | 2.079  | 1.258  | 1.128  |
| MINIMUM X                     | -1.324 | -1.093 | -1.233 |
| MAXIMUM Y                     | .979   | 1.032  | 1.429  |
| MINIMUM Y                     | -.538  | -.585  | -.456  |
| CENTROID X                    | .041   | -.190  | -.060  |
| CENTROID Y                    | .131   | .078   | -.051  |
| POA TO CENTROID in.           | .137   | .205   | .079   |
| MIN RADIUS                    | .067   | .302   | .267   |
| MEAN RADIUS                   | .892   | .782   | .664   |
| MAX RADIUS                    | 2.132  | 1.462  | 1.233  |
| HORIZONTAL SPREAD             | 3.403  | 2.351  | 2.351  |
| VERTICAL SPREAD               | 1.617  | 1.617  | .895   |
| EXTREME SPREAD                | 3.499  | 2.591  | 2.354  |
| NUMBER IN ONE INCH CIRCLE =   |        | 4      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 8      |        |

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# CENTERFIRE PATTERNS

# 3

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS = 10

# IN CIR

1 in = 2

2 in = 2

3 in = 8

HS = 1.736

VS = 2.693

GS = 2.977

CENTROID +

PATTERN #

3

SHOTS (BEST OF)

10

9

8

|                               |          |        |        |
|-------------------------------|----------|--------|--------|
| MAXIMUM X                     | : .967   | .900   | .910   |
| MINIMUM X                     | : -.769  | -.836  | -.826  |
| MAXIMUM Y                     | : 1.022  | .848   | .617   |
| MINIMUM Y                     | : -1.621 | -1.845 | -1.032 |
| CENTROID X                    | : .018   | .085   | .075   |
| CENTROID Y                    | : -.006  | .168   | .399   |
| POA TO CENTROID in.           | : .019   | .188   | .406   |
| MIN RADIUS                    | : .216   | .034   | .214   |
| MEAN RADIUS                   | : .977   | .862   | .720   |
| MAX RADIUS                    | : 1.678  | 1.847  | 1.068  |
| HORIZONTAL SPREAD             | : 1.736  | 1.736  | 1.736  |
| VERTICAL SPREAD               | : 2.693  | 2.693  | 1.649  |
| EXTREME SPREAD                | : 2.977  | 2.760  | 1.929  |
| NUMBER IN ONE INCH CIRCLE =   |          | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |          | 5      |        |
| NUMBER IN THREE INCH CIRCLE = |          | 8      |        |

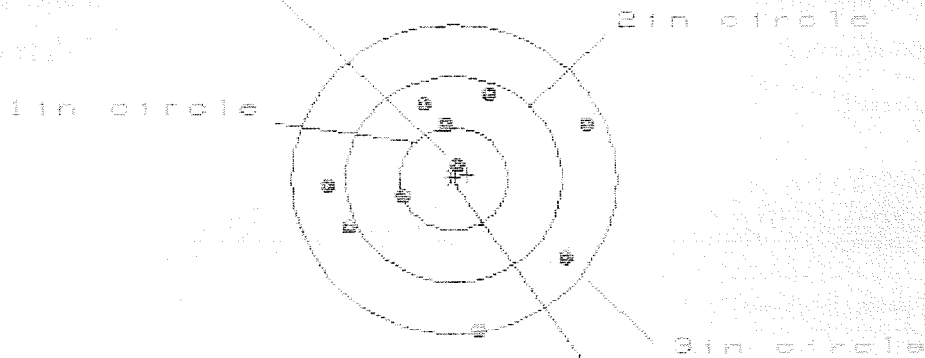


23 Aug 1931

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# CENTERFIRE PATTERNS # 4

FOR



# OF SHOTS = 10

# IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 2.431

VS = 2.264

GS = 2.503

CENTROID #

PATTERN #

4

| SHOTS (BEST OF)               | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| MAXIMUM X                     | 1.249  | 1.271  | 1.192  |
| MINIMUM X                     | -1.182 | -1.160 | -1.001 |
| MAXIMUM Y                     | .821   | .660   | .713   |
| MINIMUM Y                     | -1.443 | -1.911 | -1.858 |
| CENTROID X                    | -.130  | -.152  | -.311  |
| CENTROID Y                    | -.036  | .125   | .072   |
| FOR TO CENTROID in.           | .135   | .196   | .319   |
| MIN RADIUS                    | .143   | .088   | .243   |
| MEAN RADIUS                   | .916   | .820   | .753   |
| MAX RADIUS                    | 1.457  | 1.377  | 1.468  |
| HORIZONTAL SPREAD             | 2.431  | 2.431  | 2.193  |
| VERTICAL SPREAD               | 2.264  | 1.571  | 1.571  |
| EXTREME SPREAD                | 2.503  | 2.503  | 2.313  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |

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# CENTERFIRE PATTERNS

# 5

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 1.727

VS= 2.767

GS= 2.869

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID IN.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

5

10

9

8

7

6

5

4

3

2

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649270

DATE 8-13-91

TESTER JL

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.43             | 2.51                     | 2.44                           | 2.53 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.46             | 2.57                     | 2.48                           | 2.52 |                                                                        |
| PULL #3 | 2.41             | 2.56                     | 2.53                           | 2.55 |                                                                        |
| PULL #4 | 2.56             | 2.56                     | 2.50                           | 2.47 |                                                                        |
| PULL #5 | 2.35             | 2.34                     | 2.53                           | 2.56 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.50             | 3.66                     |  |          |
| PULL #2 | 3.28             | 3.47                     |  |          |
| PULL #3 | 3.42             | 3.44                     |  |          |
| PULL #4 | 3.50             | 3.49                     |  |          |
| PULL #5 | 3.47             | 3.49                     |  |          |
| 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             | 4.17                     |                                | 4.56                                 |
| PULL #2 | 4.25             | 4.43                     |                                | 4.53                                 |
| PULL #3 | 4.46             | 4.35                     |                                | 4.45                                 |
| PULL #4 | 4.50             | 4.34                     |                                | 4.20                                 |
| PULL #5 | 4.38             | 4.34                     |                                | 4.58                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |