

WALWORTH WROUGHT TUBE RADIATORS.

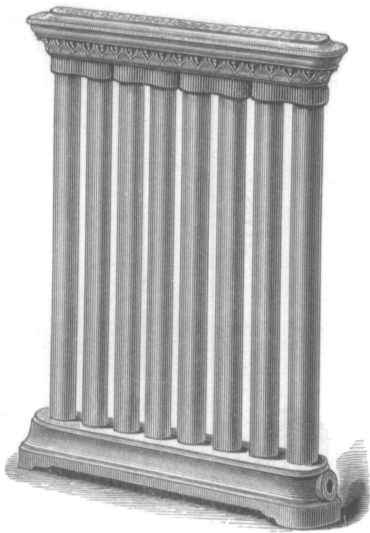


FIG. 709. 1 X 8 PIPES.



FIG. 710. 2 X 12 PIPES.

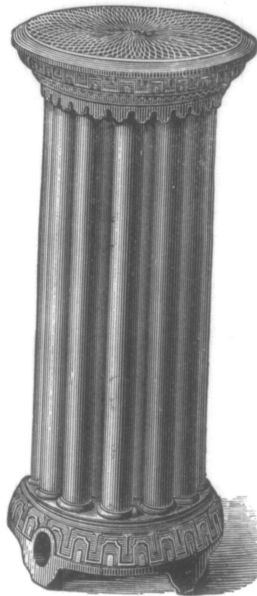


FIG. 711. 18 PIPE CIRCULAR.

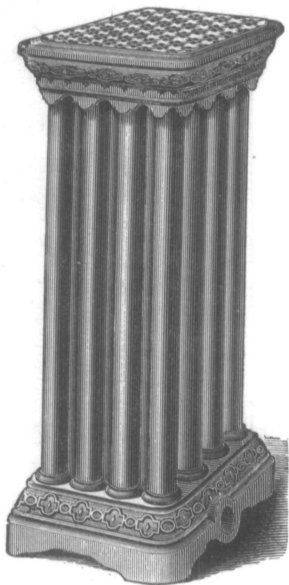


FIG. 712. 4 X 4 PIPES.



FIG. 713. 4 X 12 PIPES.

FOR LIST OF SIZES SEE PAGES 216 AND 217.

WALWORTH WROUGHT TUBE RADIATORS.



FIG. 714. 3 x 16 PIPES.



FIG. 715. 54-PIPE CIRCULAR.

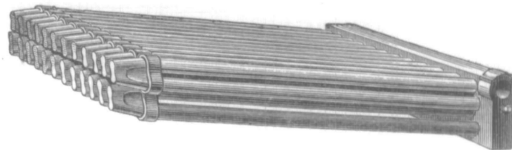


FIG. 716. 4 x 12 INDIRECT.

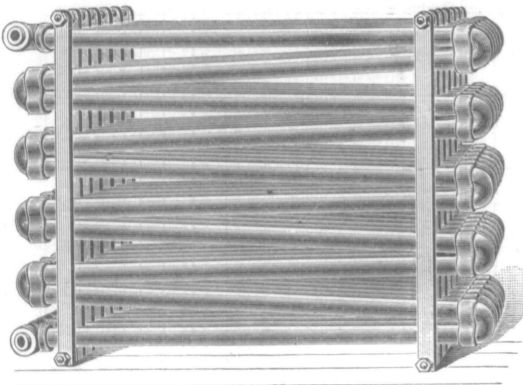


FIG. 717. BOX COIL.



FIG. 718. CIRCULAR COIL.

FOR LIST OF SIZES, SEE PAGES 216 AND 217.

WALWORTH WROUGHT-TUBE RADIATORS.

SINGLE ROW. — FIG. 709.

| NUMBER TUBES IN EACH ROW | 4 | 6 | 8 | 10 | 12 | 16 | 20 | 24 | 28 | 32 | 38 |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| SQUARE FEET SURFACE | 4 | 6 | 8 | 10 | 12 | 16 | 20 | 24 | 28 | 32 | 38 |
| LENGTH INCHES | 10 | 14 | 18 | 22 | 26 | 34 | 42 | 50 | 58 | 66 | 78 |
| WIDTH INCHES | 4 $\frac{1}{4}$ | 4 $\frac{1}{4}$ | 4 $\frac{1}{4}$ | 4 $\frac{1}{4}$ | 4 $\frac{1}{4}$ | 4 $\frac{1}{4}$ | 4 $\frac{1}{4}$ | 4 $\frac{1}{4}$ | 4 $\frac{1}{4}$ | 4 $\frac{1}{4}$ | 4 $\frac{1}{4}$ |
| SUPPLY | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | 1 | 1 | 1 | 1 $\frac{1}{4}$ |
| RETURN | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 |
| ITALIAN MARBLE TOPS, EXTRA NET | .86 | 1.15 | 1.38 | 1.65 | 1.90 | 2.40 | 2.90 | 3.30 | 3.75 | 4.20 | 4.90 |

TWO ROWS. — FIG. 710.

| NUMBER TUBES IN EACH ROW | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 28 | 32 | 38 |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| WHOLE NUMBER OF TUBES AND SQUARE FEET OF SURFACE | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 48 | 56 | 64 | 76 |
| LENGTH INCHES | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 50 | 58 | 66 | 78 |
| WIDTH INCHES | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ | 6 $\frac{1}{4}$ |
| SUPPLY | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ |
| RETURN | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | 1 | 1 | 1 |
| ITALIAN MARBLE TOPS, EXTRA NET | .86 | 1.15 | 1.38 | 1.65 | 1.90 | 2.15 | 2.40 | 2.65 | 2.90 | 3.40 | 3.90 | 4.40 | 5.00 |

THREE ROWS. — FIG. 714.

| NUMBER TUBES IN EACH ROW | 4 | 6 | 8 | 12 | 14 | 16 | 18 | 20 | 24 | 28 | 32 | 38 |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| WHOLE NUMBER OF TUBES AND SQUARE FEET OF SURFACE | 12 | 18 | 24 | 36 | 42 | 48 | 54 | 60 | 72 | 84 | 96 | 114 |
| LENGTH INCHES | 10 | 14 | 18 | 26 | 30 | 34 | 38 | 42 | 50 | 58 | 66 | 78 |
| WIDTH INCHES | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ | 8 $\frac{1}{4}$ |
| SUPPLY | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | 1 | 1 | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ |
| RETURN | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | 1 | 1 | 1 | 1 | 1 |
| ITALIAN MARBLE TOPS, EXTRA NET | 1.17 | 1.50 | 1.85 | 2.50 | 2.85 | 3.15 | 3.50 | 3.80 | 4.40 | 5.10 | 5.80 | 7.00 |

FOUR ROWS. — FIG. 712 AND 713.

| NUMBER OF TUBES IN EACH ROW | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 |
|---|---------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| WHOLE NUMBER OF TUBES AND SQUARE FEET OF SURFACE | 16 | 32 | 48 | 64 | 80 | 96 | 112 | 128 |
| LENGTH INCHES | 10 | 18 | 26 | 34 | 42 | 50 | 58 | 66 |
| WIDTH INCHES | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| SUPPLY | $\frac{3}{4}$ | 1 | 1 | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ |
| RETURN | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | 1 | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ |
| ITALIAN MARBLE TOPS, EXTRA NET | 1.55 | 2.40 | 3.20 | 4.00 | 4.85 | 5.65 | 6.50 | 7.30 |

WALWORTH WROUGHT TUBE RADIATORS.

CIRCULAR RADIATORS.—FIGS. 711 AND 715.

| NO..... | 1 | 2 | 3 | 4 | 5 | 6 | 7 | *10 | *11 | *12 | *13 | *14 |
|---|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| WHOLE NUMBER OF TUBES AND SQUARE FEET OF SURFACE..... | 18 | 30 | 54 | 72 | 102 | 130 | 160 | 56 | 80 | 102 | 130 | 160 |
| DIAMETER..... INCHES | 14 | 18 | 23 | 26 | 34 | 38 | 38 | 26 | 28 | 33 | 38 | 38 |
| SUPPLY..... | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | 1 | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ |
| RETURN..... | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ |
| ITALIAN MARBLE TOPS EXTRA NET | 1.40 | 2.20 | 3.50 | 4.35 | 7.35 | 9.10 | 9.50 | 7.00 | 8.00 | 9.50 | 10.00 | 10.00 |

* In halves to surround columns.

WALWORTH INDIRECT RADIATORS.—FIG. 716.

FOUR ROWS.

| NO. TUBES IN EACH ROW..... | 4 | 6 | 8 | 10 | 12 | 16 | 20 | 24 | 28 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| WHOLE NUMBER OF TUBES AND SQUARE FEET OF SURFACE..... | 16 | 24 | 32 | 40 | 48 | 64 | 80 | 96 | 112 |
| LENGTH OF BASE..... INCHES | $9\frac{1}{2}$ | 13 | 17 | 21 | 25 | 33 | 41 | 49 | 57 |
| WIDTH OF BASE..... INCHES | $7\frac{5}{8}$ | $7\frac{5}{8}$ | $7\frac{5}{8}$ | $7\frac{5}{8}$ | $7\frac{5}{8}$ | $7\frac{5}{8}$ | $7\frac{5}{8}$ | $7\frac{5}{8}$ | $7\frac{5}{8}$ |
| SUPPLY..... | 1 | 1 | 1 | 1 | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ |
| RETURN..... | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | 1 | 1 | 1 | 1 | 1 |

The warming capacity and cost of Radiators may be varied by leaving out any number of tubes, except the outer rows, without changing the external appearance; the tubes left out may be replaced at will.

Radiators may be made of every desired height; the standard height is 35 inches. A Circular Radiator with marble top makes a handsome table.

Dove-colored marble known as the "Knoxville" is well adapted to radiators, as it is not discolored by heat. It costs 25 per cent. more than prices in above table.

Radiators with tubes placed in quincunx or "staggered" order supplied to order.

BOX COILS.—FIG. 717.

| LENGTH OF COIL..... FEET | $2\frac{1}{2}$ | 3 | $3\frac{1}{2}$ | 4 | 5 | 6 |
|---------------------------|----------------|-----|----------------|-----|-----|-----|
| 3-4 INCH PIPE... PER FOOT | .24 | .22 | .20 | .19 | .18 | .17 |
| 1 INCH PIPE..... PER FOOT | .30 | .28 | .27 | .24 | .23 | .22 |

CIRCULAR COILS.—FIG. 718.

| SIZE OF PIPE | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 |
|-------------------------------|---------------|---------------|---------------|---------------|-----|----------------|----------------|------|
| COMMON PIPE..... PER FOOT | .23 | .26 | .30 | .36 | .40 | .65 | .80 | 1.00 |
| EXTRA STRONG PIPE... PER FOOT | .29 | .32 | .40 | .45 | .56 | .80 | 1.00 | 1.20 |

CAST IRON RADIATORS.

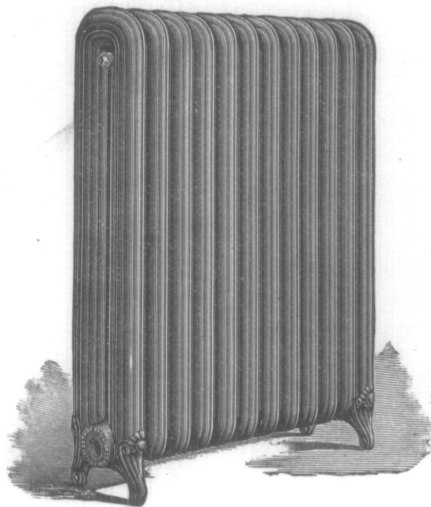


FIG. 724. DETROIT PLAIN FLUTED RADIATOR.



FIG. 725. DINING-ROOM RADIATOR.

DETROIT PLAIN FLUTED RADIATORS.—FIG. 724.

| | | | | |
|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| HEIGHT..... INCHES | 20 | 25 | 31 | 38 |
| WIDTH OF LEGS..... INCHES | 8½ | 8½ | 8½ | 8½ |
| LENGTH OF SECTION..... INCHES | 2½ ⁵ / ₁₆ | 2½ ⁵ / ₁₆ | 2½ ⁵ / ₁₆ | 2½ ⁵ / ₁₆ |
| SQUARE FEET OF SURFACE PER SECTION..... | 2¼ | 2¾ | 3½ | 4⅓ |

Base price 38 inch Steam Radiator per foot of surface —

Base price 38 inch Hot Water Radiator per foot of surface —

Add to base price per foot of surface for Radiators of smaller height as follows :

31 inch, .02; 25 inch, .06; 20 inch, .12.

TAPPING FOR STEAM.

| ONE PIPE WORK. | TWO PIPE WORK. |
|---|---|
| Less than 28 square feet 1 inch | Less than 28 square feet ¾ x ¾ inch |
| From 28 to 52 square feet..... 1¼ inch | From 28 to 52 square feet..... 1 x ¾ inch |
| From 52 to 91 square feet 1½ inch | From 52 to 104 square feet..... 1¼ x 1 inch |
| From 91 to 168 square feet 2 inch | From 104 to 168 square feet..... 1½ x 1¼ inch |

TAPPING FOR HOT WATER.

| | |
|---|--|
| Less than 42 square feet..... 1 x 1 inch | From 70 to 130 square feet..... 1½ x 1½ inch |
| From 42 to 70 square feet..... 1¼ x 1¼ inch | From 130 to 168 square feet..... 2 x 2 inch |

DINING ROOM RADIATORS.—FIG. 725.

SIZE OF CLOSET: LENGTH, 24 INCHES; HEIGHT, 12 INCHES; WIDTH, 12 INCHES.

| NO..... | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| NO. OF LOOPS | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 27 |
| LENGTH..... INCHES | 30 | 35 | 39¼ | 44 | 48½ | 53¼ | 58 | 62½ |
| SQUARE FEET OF SURFACE.. | 30 | 38 | 46 | 54 | 62 | 70 | 78 | 86 |
| FOR STEAM..... EACH | 26.00 | 29.00 | 32.00 | 35.00 | 38.00 | 41.00 | 44.00 | 47.00 |
| FOR HOT WATER..... EACH | 36.00 | 39.00 | 42.00 | 45.00 | 48.00 | 51.00 | 54.00 | 57.00 |