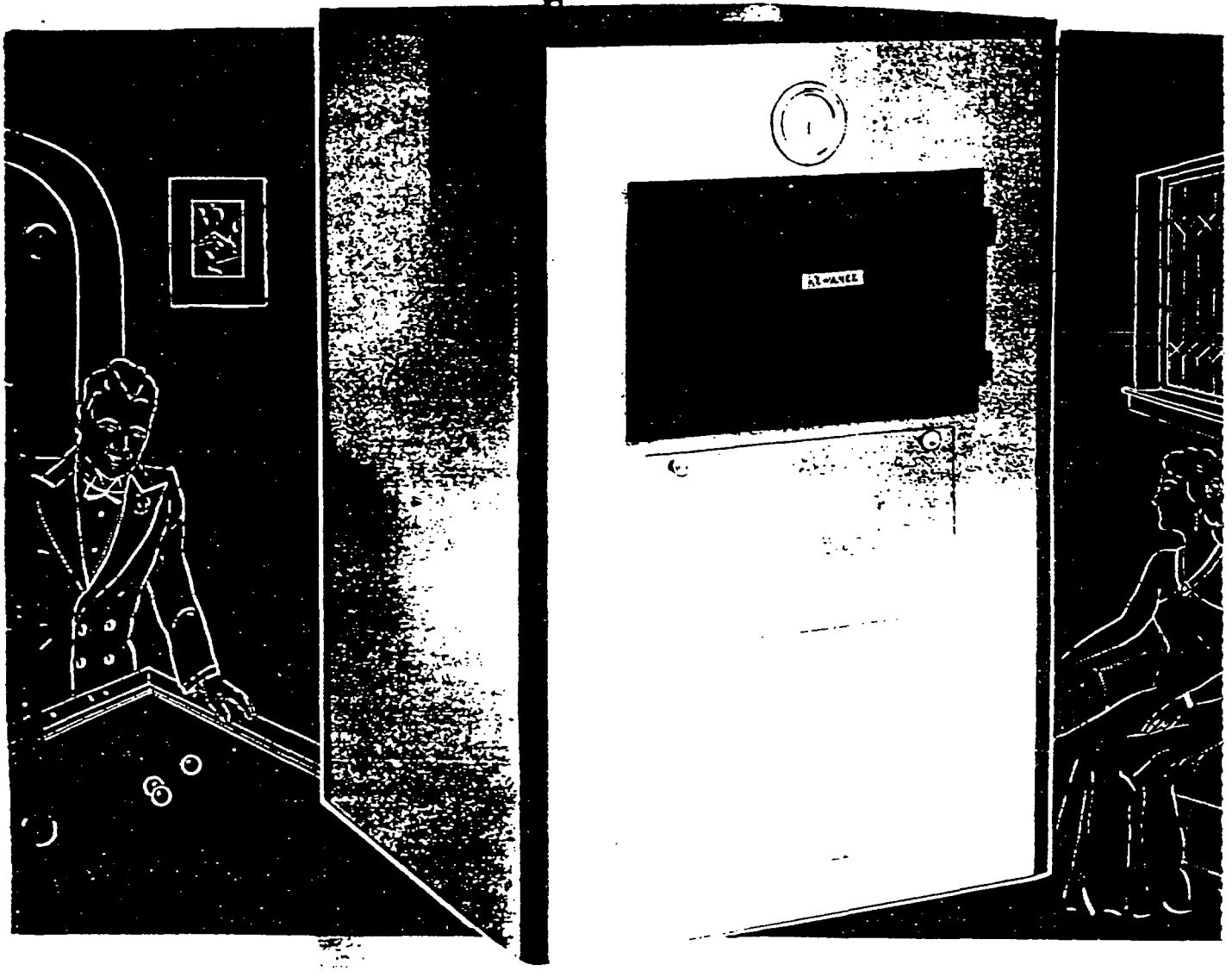
A. I. A. FILE No. 30a1

# KEWANEE BOILER




## SMARTLINE *with* JACKET

A. I. A. FILE No. 30c1

Branches in Sixty-one Principal Cities
Division American Radiator and Standard Sanitary Corporation

KEWANEE BOILER CORPORATION
KEWANEE, ILLINOIS
Eastern District Office, 37 West 39th Street, New York City

Circular RM-92b

13849

# ROUND STEEL "R" BOILER

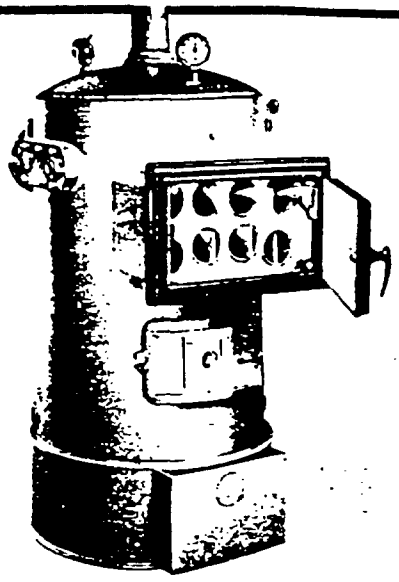
# KEW

IN this day and age the rugged reliability of KEWANEE Steel Boilers still remains unchallenged.

KEWANEE Type "R" is one boiler to which the practical home builder may turn with confidence whenever the **utmost is demanded of that capacity to withstand extremely hard usage.**

The make-up of this Residence Boiler shows expert study of every essential factor for perfect performance and for durability, even to the smallest detail.

**There must be no guesswork because . . .** SUCCESS in a HEATING SYSTEM DEPENDS PRIMARILY on the BOILER



KEWANEE'S NEW SMARTLINE MODELS fill that popular demand for Heating equipment with clean-cut lines to keep pace with the new basement furnishings.

**Each steel shape is scientifically fashioned in correct proportions for highest efficiencies and maximum boiler outputs, so those unusual economies in fuel and upkeep are fully maintained season after season.**

## KEWANEE Round TYPE R *Advantages:—*

**HEAVY STEEL PLATE** . . . Tough enough to stand the stress of rugged home service . . . more resilient to the expansion and contraction of fire or gas burner.

**HEAVIER CASTINGS** . . . More extra substance to last longer.

**HIGH FIREBOX** . . . The flames and gases have space to swirl, expand and [illegible] before they enter the tubes.

**KEWANEE SPINNER BLADES** . . . Mix the hot gases so that they give up more heat to the boiler water.

**TWO-PASS TUBES** . . . Provide double travel for the gases, holding them in the boiler longer to use up the surplus heat.

**DRAFT ADJUSTER** . . . Simplified Kewanee design and more sensitive, accurate, automatic and even closure of the draft, saving much fuel.

**STEAM SPACE** . . . An ample reserve of dry steam over the fire.

**INSULATED DOORS** . . . Prevent waste from radiated heat. Fit door and frame to a ground smooth and gas tight. Thoroughly insulated.

**INSPECTION SHUTTER** . . . for observing combustion. Protects sight glass. Prevents [illegible].

**KEWANEE COPPER HOT WATER COIL** (Accessory) . . . Heats water in the boiler for domestic supply. On the Round "R" a 65-75 gallon coil is included as part of the boiler, not an extra.

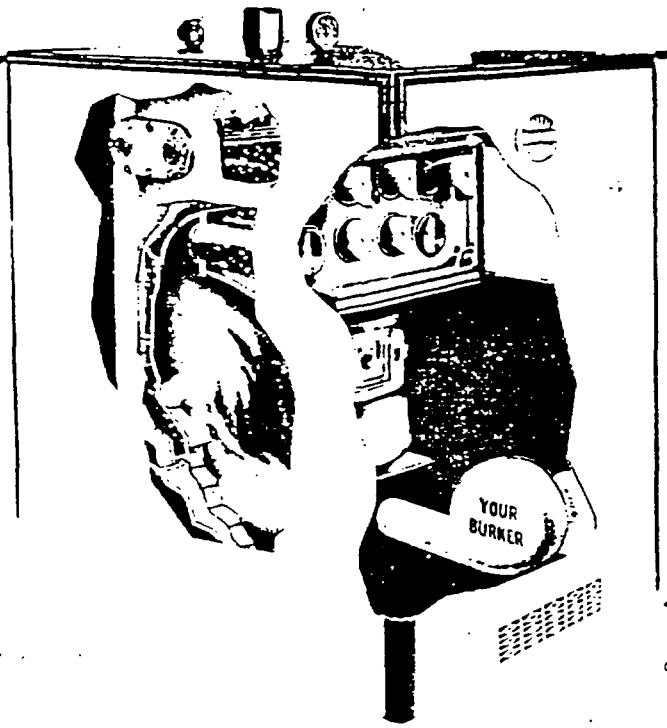
**69 YEARS EXPERIENCE is Built into KEWA**

**Insure Dependable Heat . . . Cut Fuel Costs . . .**

13850

# ANEE SMARTLINE SQUARE JACKET

REG. U. S. PAT. OFF.



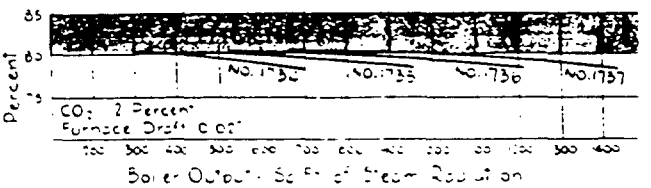

## FOR MODERN HEATING NEEDS

These up-to-the-minute Smartline designs offer a choice of superlatively neat Jackets in accepted styling for that "Heart of Steel" within — the well known KEWANEE Round "R" Steel Boiler

But with all this well groomed appearance and greater convenience let's not forget that . . .

*It's What's Under the Jacket That Counts!*

High Efficiency and Silent Combustion with Any Fuel Oil Burner




REGAL JACKETS [illegible] COMPLETE ENCLOSURES [illegible] Type "R" Boilers

THE SMARTLINE REX SQUARE JACKET [illegible] Rear Firing equally handy

The Kewanee Round Boiler efficiency ranges up to 80% or more depending on the loading and grade of fuel. Heating Engineers for some boiler. Even when ... [illegible] ... more than its regular ... boilers are ... [illegible] ... weather) the Kewanee responds readily with the extra heat at excellent efficiencies. The Round ... [illegible] ... steam.

[illegible] thousands of [illegible] Kewanee Round "R" Insulated Steel Boiler has proved its mettle [illegible] ... after ... All-in-one-piece. ... steel base. So the installed price is less.

### YEAR-ROUND HOT WATER

... Kewanee Round ... Boiler ... "built-in" ... [illegible] ... *Round hot water is good for the boiler*—prevents corrosion

### TREND OF THE TIMES

*The Kewanee Smartline Jacket matches with dignity that trend of the times toward stylish simplicity* ... steel ... enamel in handsome crinkle finish it fits in with any scheme of basement ... The ... is compact and sightly, yet everything is easy to get at. Its symmetry and beauty are not marred by untidy wires or protruding parts. *For 69 Years* KEWANEE has stood for ... that's best in Boiler ...

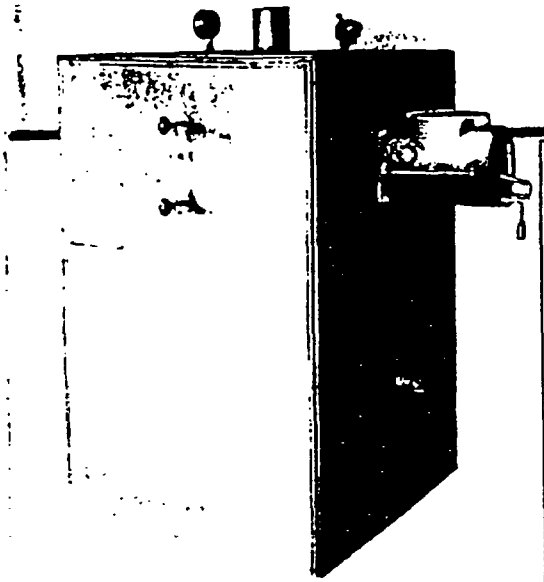
## EE STEEL BOILERS to make them . . . . . Increase Selling and Renting Value of any Home

More KEWANEES have always been found faithfully warming thousands of finer Apartment Houses, Schools and Churches. So it is only natural that Home Owners too should have long wanted the *same dependable heat* which the KEWANEE name now assures them on Type "R" Boilers.

13851

# KEWANEE BOILERS

with SMARTLINE JACKETS



SMARTLINE REAR VIEW
showing Draft Adjuster
Nos 1734 and 1737

KEWANEE

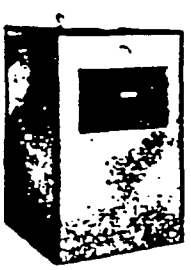
CUTS FUEL COSTS

[illegible] Hot Water [illegible] Hot Water Heating Cost

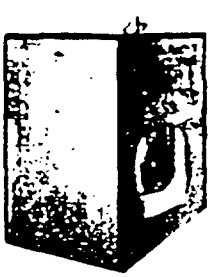
[illegible] Tank [illegible] Gallons

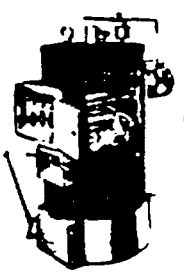
## SPECIFICATIONS

| Boiler Number, Unjacketed Oil or Gas | | 1734 | 1735 | 1736 | 1737 |
|---|---|---|---|---|---|
| Unjacketed Stoker | | 0734 | 0735 | 0736 | — |
| Round Jacket | | — | 1735-J | 1736-J | — |
| Smartline Jacket Rex | | 1734-M | 1735-M | 1736-M | 1737-M |
| Square-Regal | | 1734-MQ | 1735-MQ | 1736-MQ | — |
| Regal | | 1734-MG | 1735-MG | 1736-MG | 1737-MG |
| Rating Net Load (Actual Radiators plus Domestic Hot Water Load) | | | | | |
| Steam or Vapor | Sq. Ft. | 400 | 540 | 680 | 900 |
| Hot Water System | Sq. Ft. | 640 | 860 | 1090 | 1440 |
| Btu Per Hour | 1000 s | 96 | 130 | 163 | 216 |
| Gallons of Oil Per Hour | | 1.4 | 1.8 | 2.3 | 3.0 |
| Heating Surface | Sq. Ft. | 24 | 32 | 40 | 50 |
| Firebox Volume | Cu. Ft. | 3.7 | 5.4 | 7.4 | 7.4 |
| Average Firebox Height | In | 22 | 24 | 26 | 26 |
| Boiler Shell Diameter | In. | 23¾ | 27 | 32 | 32½ |
| Height | In. | 42½ | 43 | 47¼ | [illegible] |
| Inside Diameter | In | 20 | 23 | 26 | [illegible] |
| Smoke Outlet Diameter | In. | 7 | 9 | 9 | [illegible] |
| Chimney Size | In | 8x8 | 8x12 | 8x12 | 10x[illegible] |
| Chimney Height | Ft | 30 | 35 | 35 | 40 |
| Boiler Outlet and Return Size | In | 4 | 4 | 4 | 4 |
| Safety Relief Size | In | ¾ | 1 | 1 | 1¼ |
| Smartline Jackets Overall Height | In | 54¾ | 55¼ | 59½ | 61 |
| Width | In | 33 | 36 | 39½ | 39½ |
| Length Rex M | In | 27½ | 36 | 39½ | 54 |
| Length Square-Regal MQ | In | 45 | 50½ | 54 | — |
| Length Regal MG | In | 59½ | 65 | 68½ | 68½ |
| Jacket Clearances in Front | | | | | |
| Rex | In | 1¼ | 3 | 3½ | 18½ |
| Square-Regal | In | 17½ | 17½ | 18 | — |
| Regal | In | 32 | 32 | 32½ | 32½ |
| Base Rear or Flange | In | 3¼ | 4½ | 4½ | 4½ |
| Boiler Base Diameter | In | 26½ | 32¼ | 35 | 35 |
| Water Line from Floor | In | 44 | 44 | 46 | 49 |
| Water Line to Hot Water Coils | In | 44 | 45 | 47 | 49 |
| Jacket Outlet Rear End | In | — | 42½ | 44½ | 44½ |
| Jacket Outlet Front Top | In | 43¾ | 49 | 50 | 50 |
| Jacket Outlet Rear Centers | In | 20 | 24 | 25½ | 25½ |
| Water Heater Connection Rise | In | 41½ | 44½ | 46½ | 46½ |
| Heating Surface Cover United | Sq. Ft. | 24 | 33 | 40 | 47 |
| Shipping Weight Unjacketed | Lb | 800 | 920 | 1130 | 1400 |

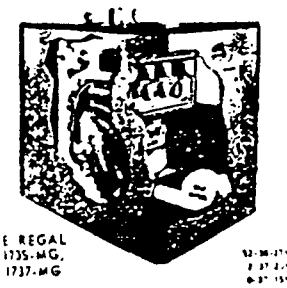


SMARTLINE REX
1734-M, 1735-M
1736-M, 1737-M





ROUND JACKET
Coal Fired
734-
735-J, 736-J
Ratings, sq. ft.
320, 410, 550



SMARTLINE REGAL
1734-MG, 1735-MG,
1736-MG 1737-MG

13852

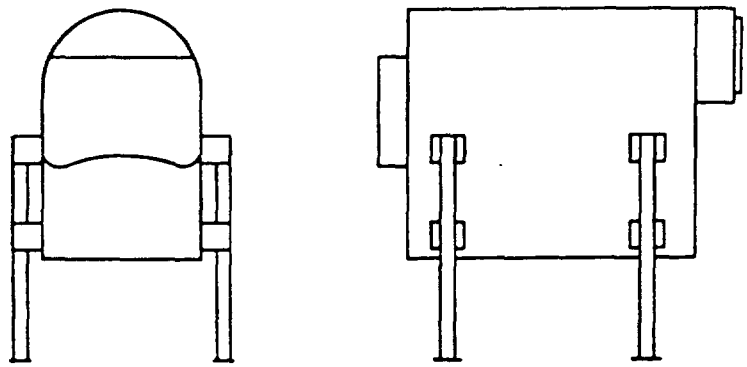
## *supporting columns*

### specifications

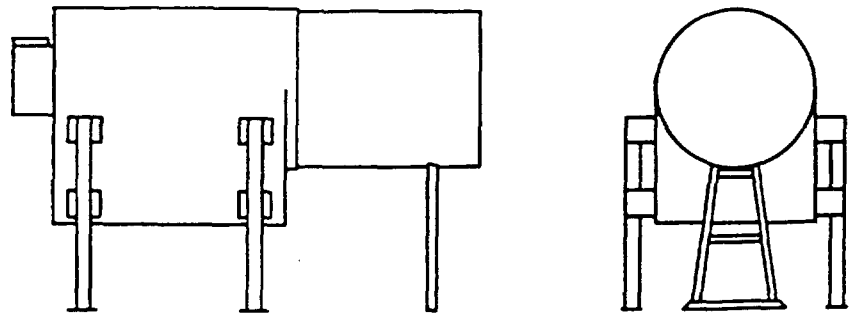
Supporting columns shall consist of four steel H-columns with base plates, one pair each side of boiler and eight pairs of hot-formed steel brackets securely fastened to the boiler to provide lateral stability according to ASME Code construction. Each H-column shall be securely bolted to two pairs of boiler brackets. On locomotive type firebox boilers the barrel shall be supported by an "A" frame backstand of steel members and bracing with top saddle and base plates welded into one unit.

All column and backstand base plates have bolt holes for anchoring to foundation. (Anchor bolts not furnished by Kewanee.)

SUPPORTING COLUMNS—TYPE "C"



SUPPORTING COLUMNS AND BACKSTAND



13853

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AMERICAN-Standard
INDUSTRIAL DIVISION
DETROIT 32, MICHIGAN

Litho in U.S.A.

# KEWANEE

## boiler supporting brackets and supporting columns

JULY, 1937

For extra furnace height (beyond the SBI Code standards), Kewanee bearing brackets and supporting columns relieve the furnace refractory of the boiler weight.

Bearing brackets support the boiler on a masonry base.

Structural steel columns furnish support independent of furnace brickwork.

The illustrations shown are intended to show methods of bearing bracket application only, and not specific details of bracket construction.

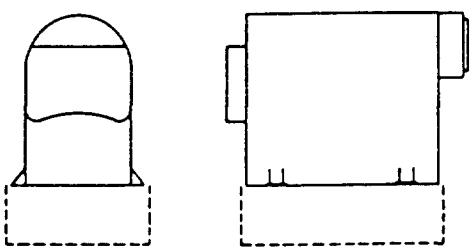
### *supporting brackets* specifications

For low pressure Type "C" and locomotive type firebox boilers, the bearing brackets shall consist of two pairs of steel bearing plates, each with necessary gussets, welded to the boiler at the bottom of waterleg. Each gusset to have a ½ in. hole for wiring insulation to the boiler.

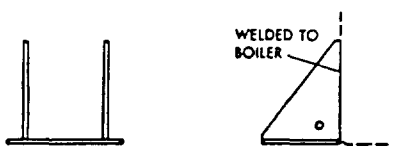
For high pressure firebox boilers, two pairs of hot-formed steel bearing brackets are provided, each with welded-in gusset and drilled holes for secure fastening at bottom of boiler waterleg with studs.

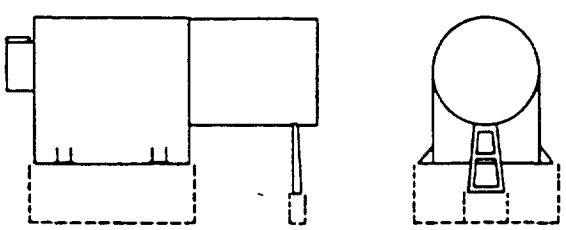
On high and low pressure locomotive type firebox boilers, the barrel shall be supported by a cast iron "A" frame back-stand grouted on masonry pier.

### methods of bearing bracket application

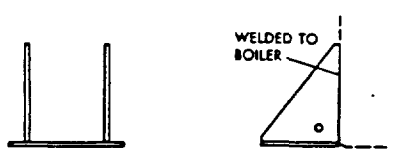


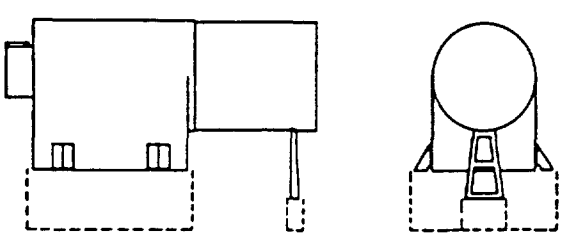
LOW PRESSURE—TYPE "C" BOILERS



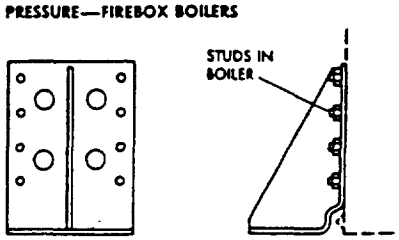



LOW PRESSURE—LOCOMOTIVE TYPE BOILERS



HIGH PRESSURE—FIREBOX BOILERS

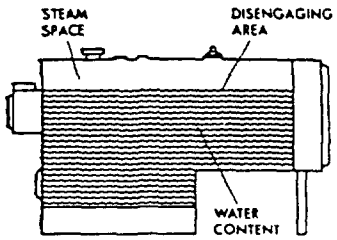



13854

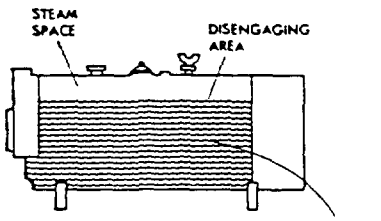
## high pressure boilers

MARCH, 1958

### *steam space, disengaging area and water content*




FIREBOX




SCOTCH TYPE

### 500 SERIES

| boiler | steam space cu ft | dis-engage area sq ft | water content gallons steam blr | water blr |
|---|---|---|---|---|
| 576 | 8.0 | 19.6 | 334 | 394 |
| 577 | 9.0 | 22.1 | 377 | 444 |
| 578 | 14 4 | 24.6 | 402 | 510 |
| 579 | 15.7 | 27.0 | 440 | 557 |
| 580 | 19.3 | 28.8 | 501 | 645 |
| 581 | 22.5 | 33.6 | 583 | 751 |
| 582 | 31 4 | 39 8 | 712 | 947 |
| 583 | 37.0 | 46.7 | 833 | 1109 |
| 584 | 43.5 | 51.2 | 1005 | 1330 |
| 585 | 51.0 | 59.9 | 1184 | 1566 |
| 586 | 60.8 | 64.8 | 1400 | 1855 |
| 587 | 58.4 | 65.4 | 1460 | 1897 |
| 588 | 71.4 | 79.0 | 1790 | 2324 |
| 589 | 86.4 | 95.6 | 2095 | 2741 |
| 590 | 99.0 | 109.0 | 2400 | 3140 |

### HM SERIES

| | | | | |
|---|---|---|---|---|
| HM-878 | 14.5 | 27.2 | 516 | 624 |
| HM-879 | 16.2 | 30.3 | 575 | 696 |
| HM-880 | 17.7 | 29.6 | 595 | 726 |
| HM-881 | 20.5 | 34.1 | 686 | 839 |
| HM-882 | 31.1 | 40.3 | 788 | 1020 |
| HM-883 | 36.8 | 47.7 | 930 | 1206 |
| HM-884 | 51.0 | 57.8 | 1230 | 1610 |
| HM-885 | 63 7 | 63.5 | 1390 | 1865 |
| HM-886 | 74.5 | 74.3 | 1625 | 2180 |
| HM-887 | 84.3 | 75.3 | 1662 | 2290 |
| HM-888 | 99.2 | 85.8 | 2070 | 2810 |
| HM-889 | 123.4 | 98.8 | 2455 | 3370 |
| HM-890 | 132.2 | 103 4 | 2725 | 3710 |
| HM-891 | 135.5 | 108.2 | 3036 | 4052 |
| HM-892 | 150.4 | 114.7 | 3272 | 4400 |
| HM-893 | 163.9 | 119.8 | 3599 | 4828 |

### SCOTTIE JR.

| | | | | |
|---|---|---|---|---|
| HM6 | 3.8 | 10.3 | 120 | — |
| HM9 | 5.2 | 10.6 | 158 | — |
| HM15 | 8.0 | 16.2 | 241 | — |
| HM20 | 10.7 | 21.7 | 324 | — |
| HM25 | 9.9 | 21.6 | 410 | — |
| HM30 | 12.0 | 26.2 | 496 | — |
| HM-18 | 5.1 | 11.1 | 158 | 196 |
| HM-29 | 8.3 | 17.9 | 255 | 317 |
| HM-39 | 11.9 | 21.0 | 324 | 414 |
| HM-45 | 13.9 | 24.5 | 378 | 482 |
| HM-59 | 17.3 | 28.5 | 491 | 621 |
| HM-65 | 19.3 | 31.7 | 548 | 692 |
| HM-78 | 17.7 | 29.6 | 595 | 726 |
| HM-92 | 20.5 | 34.1 | 686 | 839 |

### 400 SERIES

| boiler | steam space cu ft | dis-engage area sq ft | water content gallons steam boiler |
|---|---|---|---|
| 480 | 29.5 | 38.6 | 626 |
| 481 | 34.6 | 45.1 | 734 |
| 482 | 36.8 | 48 6 | 921 |
| 483 | 43.3 | 57.2 | 1080 |
| 484 | 59 4 | 65.2 | 1235 |
| 485 | 70.0 | 76.8 | 1465 |
| 486 | 68.0 | 75 2 | 1640 |
| 487 | 83 9 | 84.3 | 1850 |
| 488 | 103.3 | 104 0 | 2290 |
| 489 | 86.0 | 99 0 | 2630 |
| 490 | 99.0 | 113 5 | 3040 |

### 300 SERIES

| | | | |
|---|---|---|---|
| 376 | 7.6 | 18.8 | 323 |
| 377 | 8.6 | 21 4 | 367 |
| 378 | 13.9 | 24 0 | 388 |
| 379 | 15.5 | 26.6 | 430 |
| 380 | 29 0 | 37.8 | 604 |
| 381 | 34 0 | 44 4 | 700 |
| 382 | 34 7 | 45 9 | 887 |
| 383 | 40.9 | 54.3 | 1050 |
| 384 | 56 7 | 62.3 | 1190 |
| 385 | 67.0 | 73.5 | 1420 |
| 386 | 65.5 | 72.4 | 1600 |
| 387 | 80.8 | 81.1 | 1840 |
| 388 | 100.0 | 100 0 | 2230 |
| 389 | 83.0 | 95.3 | 2560 |
| 390 | 95.9 | 110.0 | 2970 |

### HI-TEST

| | | | |
|---|---|---|---|
| HT50 | 18.0 | 30.5 | 682 |
| HT60 | 20.6 | 34.0 | 748 |
| HT75 | 22.6 | 38.1 | 918 |
| HT100 | 34.8 | 47.7 | 1150 |
| HT125 | 54.8 | 57.4 | 1360 |
| HT150 | 66.2 | 68.9 | 1650 |
| HT200 | 97.8 | 79.9 | 1758 |
| HT250 | 138.3 | 99.9 | 2273 |

13855

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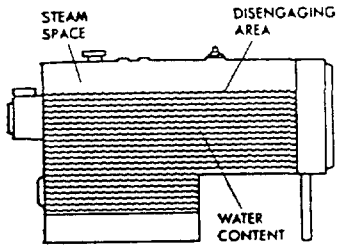
AMERICAN-Standard
INDUSTRIAL DIVISION
DETROIT 32, MICHIGAN

BULLETIN 3802-8

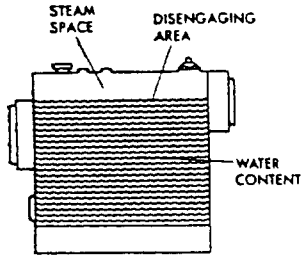
# low pressure boilers

## *steam space, disengaging area and water content*

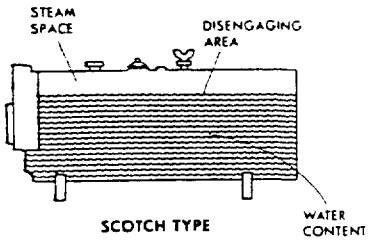
MARCH 1958



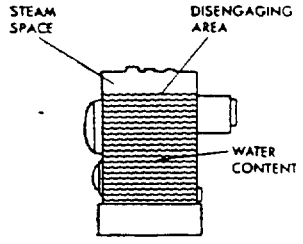

FIREBOX



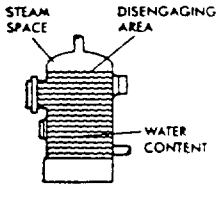

TYPE "C"



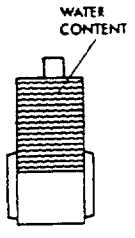

SCOTCH TYPE




SQUARE-HEAT




ROUND "R"




W SERIES

### 5000 SERIES

| boiler | steam space cu ft | dis-engage area sq ft | water content gallons: steam blr | water blr |
|---|---|---|---|---|
| 5176 | 12.4 | 19.0 | 212 | 305 |
| 5177 | 13.9 | 21.4 | 236 | 340 |
| 5178 | 15 8 | 24.2 | 265 | 383 |
| 5179 | 17.6 | 27.0 | 293 | 425 |
| 5180 | 23.5 | 30.2 | 367 | 543 |
| 5181 | 27.2 | 32.1 | 420 | 624 |
| 5182 | 33.8 | 39.2 | 519 | 772 |
| 5183 | 39 6 | 46.0 | 602 | 898 |
| 5184 | 51.6 | 52 7 | 752 | 1138 |
| 5185 | 60 4 | 61.8 | 883 | 1335 |
| 5186 | 72 8 | 64.2 | 895 | 1440 |
| 5187 | 81.8 | 72 2 | 1000 | 1619 |
| 5188 | 79.8 | 77.1 | 1290 | 1886 |
| 5189 | 112.8 | 90 6 | 1485 | 2328 |
| 5190 | 128 8 | 103 6 | 1715 | 2678 |

same for 5076 - 5090

### LW SERIES

| | | | | |
|---|---|---|---|---|
| LW-878 | 20.8 | 34.2 | 492 | 648 |
| LW-879 | 22.9 | 37.5 | 545 | 717 |
| LW-880 | 27.1 | 38.8 | 591 | 795 |
| LW-881 | 30 9 | 44 3 | 686 | 918 |
| LW-882 | 42 4 | 50 4 | 791 | 1109 |
| LW-883 | 48 9 | 58 1 | 924 | 1291 |
| LW-884 | 68.9 | 70.0 | 1197 | 1714 |
| LW-885 | 84.8 | 76.6 | 1317 | 1953 |
| LW-886 | 97.0 | 87.5 | 1526 | 2253 |
| LW-887 | 109.7 | 93.6 | 1743 | 2566 |
| LW-888 | 127.6 | 106.6 | 2225 | 3182 |
| LW-889 | 156.1 | 120.2 | 2593 | 3764 |
| LW-890 | 169.8 | 127.8 | 2807 | 4080 |
| LW-891 | 176.2 | 134 1 | 3228 | 4550 |
| LW-892 | 196.5 | 143.1 | 3483 | 4957 |
| LW-893 | 219.7 | 153.3 | 3880 | 5528 |

### LM SERIES

| | | | | |
|---|---|---|---|---|
| LM-878 | 19.2 | 35.8 | 506 | 649 |
| LM-879 | 20 9 | 38.9 | 562 | 717 |
| LM-880 | 23.5 | 39.2 | 580 | 756 |
| LM-881 | 26.2 | 43.7 | 665 | 851 |
| LM-882 | 40.3 | 52.3 | 767 | 1068 |
| LM-883 | 45.9 | 59.7 | 900 | 1242 |
| LM-884 | 63.3 | 71.8 | 1190 | 1660 |
| LM-885 | 81.5 | 81.1 | 1350 | 1960 |
| LM-886 | 92.3 | 91.9 | 1574 | 2260 |
| LM-887 | 106.5 | 95.1 | 1600 | 2390 |
| LM-888 | 124.6 | 107.7 | 2010 | 2940 |
| LM-889 | 152.8 | 122.3 | 2370 | 3510 |
| LM-890 | 163.7 | 128.0 | 2620 | 3850 |
| LM-18 | 7 7 | 15 1 | 157 | 215 |
| LM-29 | 11 4 | 22.1 | 251 | 336 |
| LM-39 | 16.2 | 26.6 | 326 | 447 |
| LM-45 | 18 4 | 30.1 | 378 | 516 |
| LM-59 | 19.2 | 35 8 | 506 | 649 |
| LM-65 | 20.9 | 38.9 | 562 | 717 |
| LM-78 | 23.5 | 39.2 | 580 | 756 |
| LM-92 | 26 2 | 43 7 | 665 | 851 |

### TYPE "C" 7L70 SERIES

| boiler | steam space cu ft | dis-engage area sq ft | water content gallons: steam blr | water blr |
|---|---|---|---|---|
| 7L73 | 4.8 | 10.2 | 204 | 240 |
| 7L74 | 5.4 | 11.4 | 228 | 268 |
| 7L75 | 6.0 | 12.7 | 251 | 296 |
| 7L76 | 7.0 | 15.0 | 293 | 345 |
| 7L77 | 11.7 | 17.9 | 333 | 421 |
| 7L78 | 13.0 | 19.9 | 369 | 466 |
| 7L79 | 14.3 | 20.8 | 404 | 511 |
| 7L80 | 19.0 | 25.3 | 471 | 613 |
| 7L81 | 22.1 | 29.5 | 550 | 715 |
| 7L82 | 24.9 | 30.0 | 660 | 846 |
| 7L83 | 29 1 | 35.1 | 769 | 987 |
| 7L84 | 31.8 | 38 6 | 1021 | 1259 |
| 7L85 | 44 0 | 46 6 | 1154 | 1483 |
| 7L86 | 44.4 | 46.4 | 1223 | 1555 |
| 7L87 | 50 4 | 52 7 | 1400 | 1777 |
| 7L88 | 69.0 | 65.1 | 1732 | 2248 |
| 7L89 | 79.1 | 67.3 | 2040 | 2631 |
| 7L90 | 91 5 | 77.6 | 2392 | 3076 |

same for 27L73 - 27L90.

### SQUARE-HEAT 3R SERIES

| | | | | |
|---|---|---|---|---|
| 3R1 | 3.3 | 5.6 | 64 | 89 |
| 3R2 | 4.0 | 6.7 | 78 | 108 |
| 3R3 | 4.6 | 7.8 | 92 | 126 |
| 3R4 | 5.3 | 8 9 | 105 | 145 |
| 3R5 | 5.1 | 8.7 | 113 | 151 |
| 3R6 | 6.0 | 10.3 | 135 | 180 |
| 3R7 | 7.0 | 11.9 | 157 | 209 |
| 3R8 | 8.0 | 13.7 | 182 | 242 |
| 3R9 | 8.7 | 13.6 | 206 | 271 |
| 3R10 | 9.9 | 15.5 | 236 | 310 |
| 3R11 | 11.1 | 17.3 | 266 | 349 |
| 3R12 | 12.2 | 19.2 | 296 | 386 |

### ROUND TYPE R

| | | | | |
|---|---|---|---|---|
| 1733 | 1.2 | 2.3 | 19 | 28 |
| 1734 | 2.0 | 3.0 | 24 | 39 |
| 1735 | 2.7 | 4.0 | 35 | 55 |
| 1736 | 3 5 | 4.9 | 44 | 70 |
| 1737 | 3.6 | 4.9 | 54 | 81 |

same for 0733-0736, 734-736 and 2734-2736.

### COTTAGE VT510

| | | | |
|---|---|---|---|
| VT510 with Coil | — | — | 29 |
| VT510 without Coil | — | — | 30 |

### GW and OW SERIES

| | | | | |
|---|---|---|---|---|
| GW-1 | — | — | — | 19 |
| GW-2 | — | — | — | 24 |
| GW-3 | — | — | — | 28 |
| GW-4 | — | — | — | 35 |
| GW-5 | — | — | — | 43 |
| OW-2 | — | — | — | 24 |
| OW-3 | — | — | — | 28 |
| OW-4 | — | — | — | 35 |
| OW-5 | — | — | — | 43 |

same for W-1 - W-5

## low pressure boilers
## *steam space, disengaging area and water content*

### 500 SERIES

| boiler | steam space cu ft | disengage area sq ft | water content gallons steam blr |
|---|---|---|---|
| 576 | 13 9 | 22.4 | 290 |
| 577 | 15.8 | 25.3 | 326 |
| 578 | 20 9 | 26.9 | 353 |
| 579 | 22.8 | 29.5 | 386 |
| 580 | 26 7 | 31.2 | 446 |
| 581 | 31.1 | 36 4 | 518 |
| 582 | 41.7 | 42.4 | 635 |
| 583 | 49.0 | 49.8 | 743 |
| 584 | 56.5 | 54.6 | 908 |
| 585 | 66 1 | 63.9 | 1072 |
| 586 | 77 5 | 68.9 | 1273 |
| 587 | 74 9' | 68 9 | 1335 |
| 588 | 91.7 | 84.3 | 1640 |
| 589 | 108 8 | 99.3 | 1927 |
| 590 | 124.5 | 113 2 | 2215 |

### 400 SERIES

| | | | |
|---|---|---|---|
| 480 | 39 4 | 41.2 | 552 |
| 481 | 46 2 | 48.3 | 646 |
| 482 | 49 7 | 52.3 | 824 |
| 483 | 58.4 | 61.5 | 966 |
| 484 | 76.0 | 69.2 | 1110 |
| 485 | 89.6 | 81.5 | 1320 |
| 486 | 87.5 | 80.1 | 1493 |
| 487 | 105.3 | 89.2 | 1690 |
| 488 | 130 0 | 110.0 | 2090 |
| 489 | 111.4 | 106 0 | 2435 |
| 490 | 128 0 | 122.0 | 2825 |

### 300 SERIES

| | | | |
|---|---|---|---|
| 376 | 12.6 | 21.6 | 286 |
| 377 | 14.3 | 24.5 | 329 |
| 378 | 20.3 | 26 2 | 341 |
| 379 | 22.5 | 29.0 | 378 |
| 380 | 38.6 | 40.4 | 531 |
| 381 | 45.4 | 47.4 | 620 |
| 382 | 46.8 | 49.4 | 796 |
| 383 | 55.3 | 58.5 | 945 |
| 384 | 72.5 | 66.0 | 1080 |
| 385 | 85.6 | 78.0 | 1285 |
| 386 | 84.2 | 77.1 | 1460 |
| 387 | 101.3 | 85.9 | 1650 |
| 388 | 125.4 | 106.0 | 2040 |
| 389 | 106.6 | 102.0 | 2385 |
| 390 | 124.2 | 118.0 | 2760 |

### "P" SERIES

| | | | |
|---|---|---|---|
| P-18 | 9.0 | 17.0 | 159 |
| P-22 | 11.0 | 20.6 | 190 |
| P-26 | 12.8 | 24.1 | 222 |
| P-30 | 14 1 | 26.7 | 250 |
| P-35 | 16 4 | 30.8 | 285 |
| P-40 | 20 0 | 29.7 | 302 |
| P-45 | 22.6 | 33 6 | 341 |
| P-50 | 25 2 | 37.4 | 378 |
| P-60 | 29 4 | 43.6 | 440 |

### TYPE "C" 1770 SERIES

| boiler | steam space cu ft | disengage area sq ft | water content gallons steam blr |
|---|---|---|---|
| 1773 | 4.8 | 10.2 | 195 |
| 1774 | 5.4 | 11.4 | 218 |
| 1775 | 6.0 | 12.7 | 241 |
| 1776 | 7.0 | 15.0 | 282 |
| 1777 | 11.7 | 17.9 | 320 |
| 1778 | 13 0 | 19.9 | 356 |
| 1779 | 14.3 | 20.8 | 390 |
| 1780 | 19.0 | 25.3 | 447 |
| 1781 | 22 1 | 29.5 | 523 |
| 1782 | 24.9 | 30.0 | 630 |
| 1783 | 29.1 | 35.1 | 736 |
| 1784 | 31.8 | 38 6 | 970 |
| 1785 | 44 0 | 46.6 | 1100 |
| 1786 | 44 4 | 46 4 | 1160 |
| 1787 | 50 4 | 52 7 | 1316 |
| 1788 | 69 0 | 65.1 | 1645 |
| 1789 | 79 1 | 67.3 | 1900 |
| 1790 | 91.5 | 77.6 | 2210 |

same for 0773-90, 774-790 and 2773-2790.

### 6000 SERIES

| | | | |
|---|---|---|---|
| 6177 | 14 1 | 21.6 | 238 |
| 6178 | 15 2 | 23.3 | 256 |
| 6179 | 16.9 | 25.9 | 283 |
| 6180 | 23 1 | 29.8 | 382 |
| 6181 | 26 8 | 34.6 | 416 |
| 6182 | 32 7 | 37.8 | 500 |
| 6183 | 38 4 | 44.5 | 585 |
| 6184 | 50.2 | 50.9 | 733 |
| 6185 | 58 9 | 59.7 | 860 |
| 6186 | 70.6 | 62.2 | 870 |
| 6187 | 79.4 | 70.0 | 983 |
| 6188 | 77.8 | 75.3 | 1270 |
| 6189 | 110.2 | 88.7 | 1465 |
| 6190 | 126 2 | 101.4 | 1680 |

same for 6077-6090.

### BRICKSET and TYPE K

| | | | |
|---|---|---|---|
| 3 3K | 7.4 | 17.9 | 170 |
| 4 4K | 12.0 | 20.1 | 205 |
| 5 5K | 14.4 | 24.1 | 245 |
| 6 6K | 16.8 | 28.2 | 285 |
| 8 8K | 25.3 | 32.2 | 325 |
| 9 9K | 29.1 | 37.0 | 375 |
| 10 10K | 39.2 | 39.5 | 430 |
| 11 11K | 44.8 | 45.2 | 490 |
| 12 12K | 50.4 | 50.8 | 550 |
| 13 13K | 59.3 | 58.1 | 715 |
| 14 14K | 70.1 | 68.5 | 850 |
| 15 15K | 76.4 | 70.7 | 1015 |
| 16K | 88.8 | 82.1 | 1190 |
| 17 | 90.3 | 79.4 | 1250 |
| 18 18K | 101.6 | 89.3 | 1415 |
| 19 | 102.3 | 85.6 | 1400 |
| 20 20K | 115.1 | 96.4 | 1585 |

### "G" SERIES

| boiler | steam space cu ft | disengage area sq ft | water content gallons steam blr |
|---|---|---|---|
| G-18 | 9.6 | 18 0 | 160 |
| G-22 | 11.0 | 20 6 | 188 |
| G-26 | 12.8 | 24.1 | 218 |
| G-30 | 14.1 | 26.7 | 246 |
| G-35 | 16.3 | 30.0 | 282 |
| G-40 | 20.7 | 30.7 | 300 |
| G-45 | 22.6 | 33.6 | 334 |
| G-50 | 24.6 | 36.6 | 367 |
| G-60 | 28.8 | 42.8 | 433 |

### M-8100 SERIES

| | | | | |
|---|---|---|---|---|
| M8173 | 15.2 | 26.6 | 213 | — |
| M8174 | 17.2 | 30.2 | 251 | — |
| M8175 | 17.0 | 26.9 | 245 | — |
| M8176 | 19.0 | 30.2 | 285 | — |
| M8177 | 21.2 | 33.6 | 326 | — |
| M8178 | 24.7 | 34 4 | 324 | — |
| M8179 | 26 7 | 37 1 | 360 | — |
| M8180 | 31.3 | 38 8 | 389 | — |
| M8181 | 35.2 | 43.6 | 457 | — |
| M8182 | 41.6 | 48.1 | 544 | — |
| M8183 | 46 8 | 54.3 | 630 | — |
| M8184 | 55.3 | 62.8 | 794 | — |
| M8185 | 63 8 | 72.4 | 956 | — |
| M8186 | 96.0 | 82.8 | 1010 | — |
| M8187 | 106 2 | 92.0 | 1154 | — |
| M8188 | 147.0 | 111.0 | 1390 | — |
| M8189 | 165.5 | 121.0 | 1600 | — |
| M8190 | 166.5 | 123 0 | 1850 | — |

### SQUARE TYPE "R"

| | | | |
|---|---|---|---|
| 1740 | 3.2 | 5.4 | 54 |
| 1741 | 4.0 | 6.6 | 65 |
| 1742 | 4.7 | 7.8 | 76 |
| 1743 | 5.4 | 9.1 | 88 |
| 1745 | 6.4 | 9.0 | 116 |
| 1746 | 7.3 | 10.2 | 130 |
| 1747 | 8.2 | 11.4 | 145 |
| 1748 | 9 0 | 12.6 | 160 |

same for 0740-0748, 740-748 and 2740-2748.

### SQUARE 83R

| | | | |
|---|---|---|---|
| 83R1 | 3.2 | 5.4 | 57 |
| 83R2 | 4.0 | 6.6 | 69 |
| 83R3 | 4.7 | 7.8 | 81 |
| 83R4 | 5.4 | 9.1 | 93 |
| 83R6 | 6.4 | 9.0 | 123 |
| 83R7 | 7.3 | 10.2 | 139 |
| 83R8 | 8.2 | 11.4 | 155 |
| 83R9 | 9 0 | 12.6 | 172 |

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