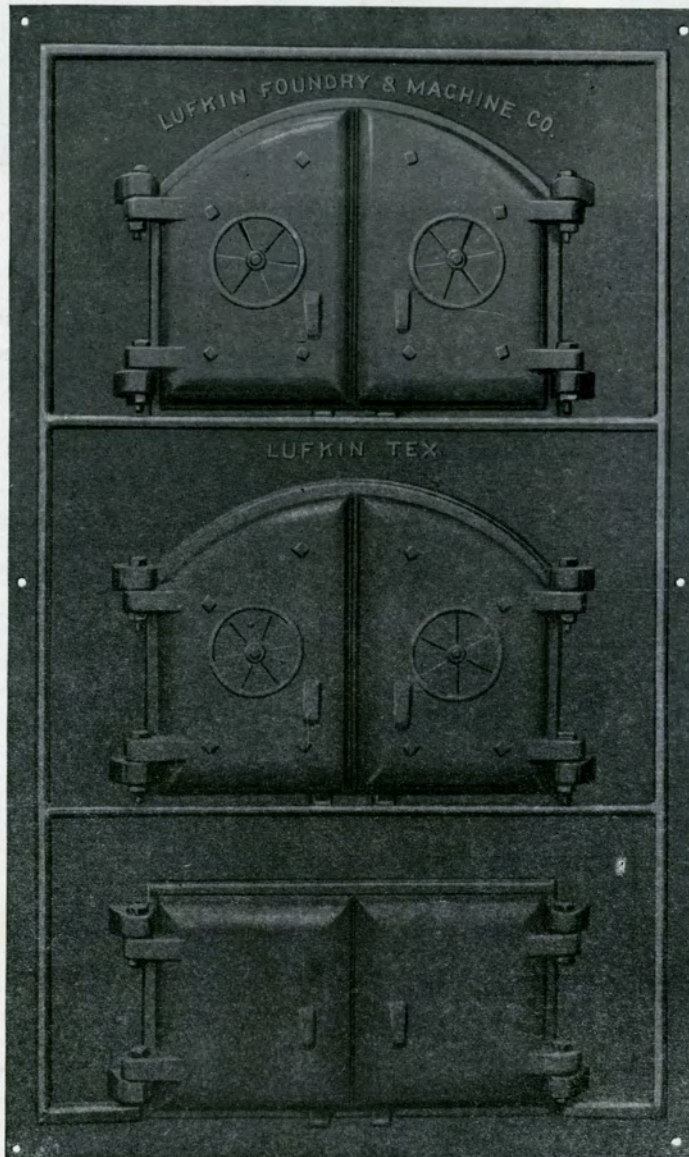


BULLETIN No. 38



BOILER CASTINGS

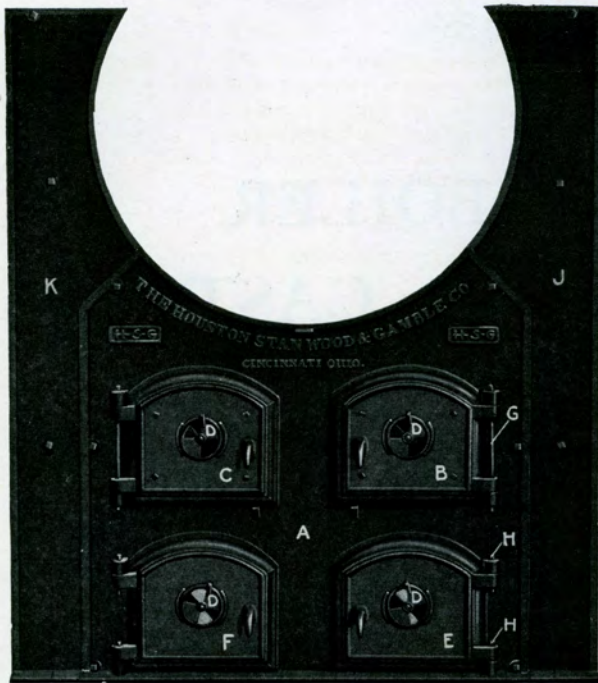
GRATE BARS, ETC.



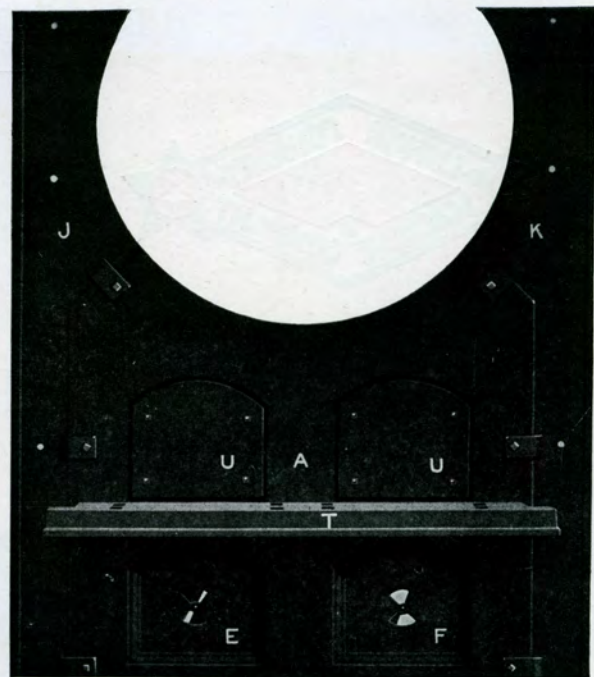
DUTCH OVEN BOILER FRONT

Made for brick or steel casing setting. The top doors are used for firing slabs, etc., allowing the stoker to place the fuel on top of the fire and not disturb the brick in or around doors, as is the case with single firing doors. ∞ ∞

We make steel casings and all boiler fittings and fixtures.



Front View.



Rear View.

THREE-QUARTER FRONT.

For slabs or other bulky fuel, one large opening with double doors instead of two separate fire door openings can be furnished, if specially ordered. Front for 36 inch diameter boilers has single fire door opening and single ash door opening.

Repair List

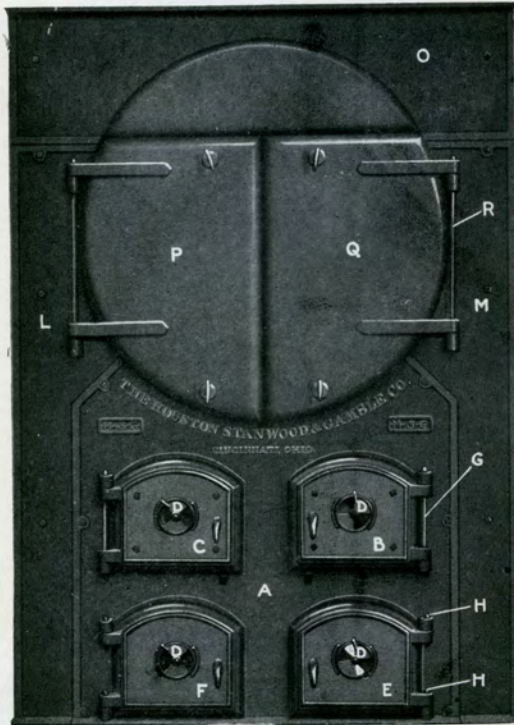
- | | |
|--|--|
| <p>A—Center piece of fire front with no parts whatever.</p> <p>B—Right hand fire door (register and liner will be attached unless ordered omitted).</p> <p>C—Left hand fire door (register and liner will be attached unless ordered omitted).</p> <p>D—Register.</p> <p>E—Right hand ash door (register attached).</p> <p>F—Left hand ash door (register attached).</p> <p>G—Pins for fire doors (2).</p> | <p>H—Pins for ash doors (4).</p> <p>J—Right hand side piece of fire front with bolts to attach to center piece (if anchor rods are wanted they must be specially mentioned).</p> <p>K—Left hand side piece of fire front with bolts to attach to center piece (if anchor rods are wanted they must be specially mentioned).</p> <p>T—Front bearing bar for grates (this is supported by the brick work and is not fastened to fire front).</p> <p>U—Liner for fire door.</p> |
|--|--|

ONE-HALF FRONT

Can be furnished for slabs or other bulky fuel, one large opening with double doors instead of two separate fire door openings can be furnished, if specially ordered. Front for 36 inch diameter boilers has single fire door opening and single ash door opening.

We have patterns for an Extra Heavy Half Front, also for Dutch Oven Front and fixtures.

FULL FRONT



Front View.

Fronts may be changed to suit mechanical stokers or patent grates by special arrangement with us.
Front for 36 inch diameter boilers has single fire door opening and single ash door opening.

We have patterns for an extra heavy ornamental full front for the larger sizes of boilers.

REPAIR LIST

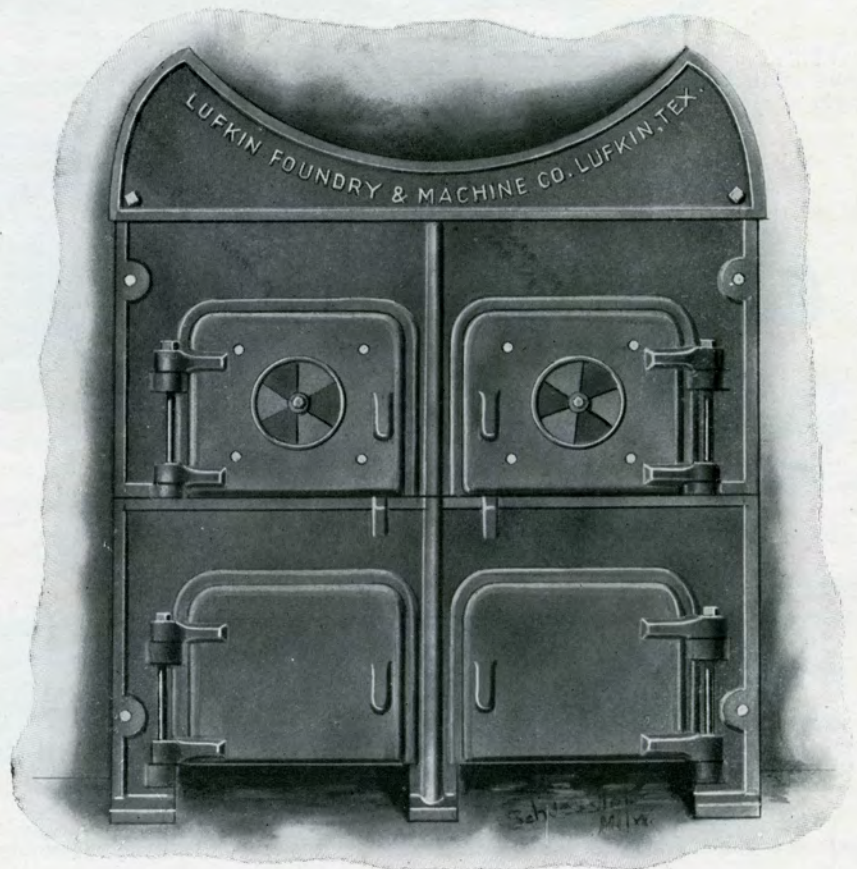
- A—Center piece of fire front with no other parts whatever.
 - B—Right hand fire door (register and liner will be attached unless ordered omitted.)
 - C—Left hand fire door (register and liner will be attached unless ordered omitted.)
 - D—Register.
 - E—Right hand ash door (register attached)
 - F—Left hand ash door (register attached).
 - G—Pins for fire doors (2).
 - H—Pins for ash doors (4).
 - L—Left Hand side piece of fire front with bolts to attach to center piece (*).
 - M—Right hand side piece of fire front with bolts to attach to center piece (*).
 - O—Top piece of fire front with bolts to attach to side pieces (*).
 - P—Left hand flue door.
 - Q—Right hand flue door.
 - R—Pins for flue door (2).
 - S—Front bearing bar for grates (this is supported by the brickwork and is not fastened to the fire front).
 - U—Lined for fire door.
- (*) If anchor rods are wanted they must be especially mentioned

ATLAS "HENRY C"

Boiler Front

Furnished in All Sizes

We make fronts in sets for batteries of boilers all fitted to go into place.



GRATE BARS

All Grates are 6 inches Wide, 24, 30, 36, 42, 48, 54 and 60 inches Long
Carried in Stock



One of the most economical Grates for Saw Mills, especially Band Saw Dust. They will outlast two and three ordinary grates. Once tried you will use no other.



This bar is an imitation Kelley Bar. Note the rib is flush with top of bar. It is less expensive on account of its construction, but will be found a very satisfactory grate for general purposes. When set with angle of slots reversed they make a herring bone or tupper style of bar.

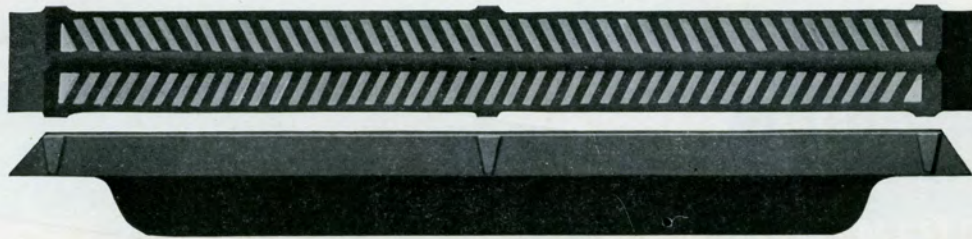


Standard Round Hole Grate, made with $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch holes, for saw dust, shavings, etc. One of the very best Round Hole Grates made.



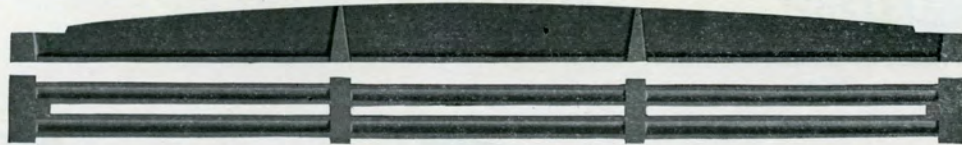
This bar has $\frac{5}{8}$ inch holes and has about 70 per cent open area. Made especially for heavy coarse fuels and general purpose grate. Lighter than the Standard Grate shown above.

Tupper or Herringbone Grate Bar



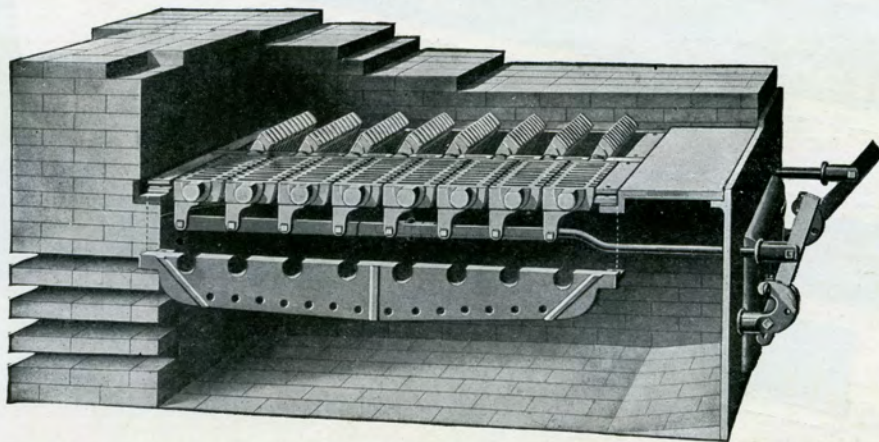
We have a full line of patterns for these Bars, but recommend the Lufkin Pattern Bar in its place, reversing the slots.

Wood or Finger Grates



Made 3 3/4 inches Wide, 24, 30, 36, 42, 48, 54 and 60 inches Long

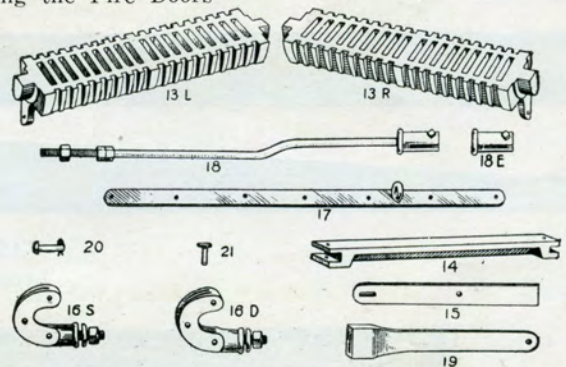
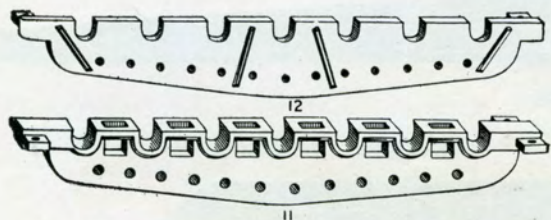
The Kelley Rocking Grate



View Showing One Section, Dumped—One-half of the Fire Cleaned at a Time without Opening the Fire Doors

LIST OF REPAIR PARTS

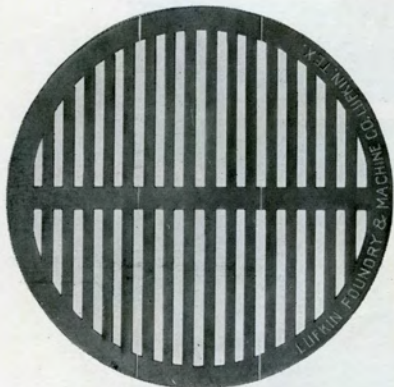
(Order by Number)



Rocking or dumping grates are of material assistance in burning some inferior coals which produce dirty fires. They save the otherwise very severe labor with slice bar and rake which a fireman has to undergo with ordinary grates. They also improve the efficiency by doing away with the necessity for holding open the fire doors and allowing the influx of excessive amounts of cold air. We recommend these grates because of their simplicity and effectiveness.

KELLEY ROCKING GRATES ARE BEST FOR LIGNITE

Miscellaneous Boiler Castings

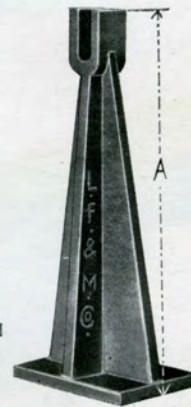
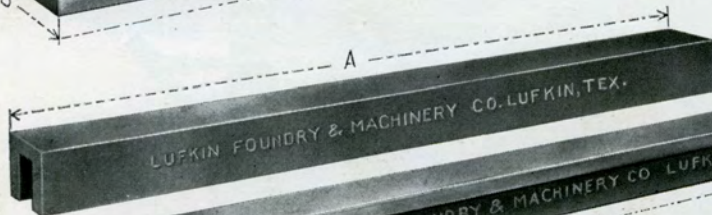
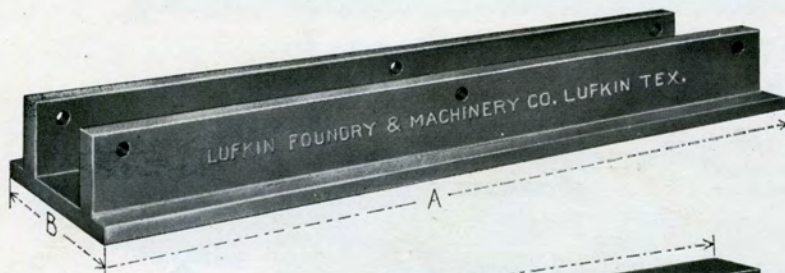


CIRCULAR GRATES
All Sizes to Order



BURNER GRATES

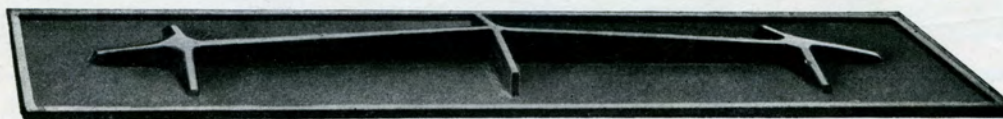
We have a full line of this special grate patterns and can fill most any requirements.



We have a full line of Bearing Bars, lintels to hold brick between boilers, burner stands and circular castings.

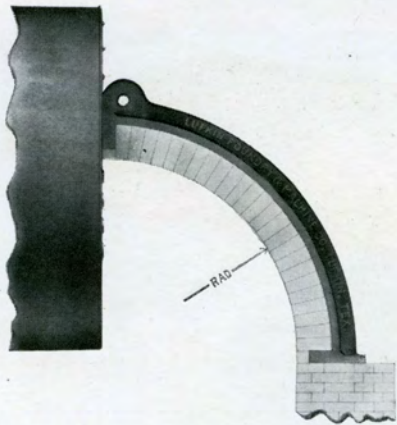


BACK BARS
Length to suit.

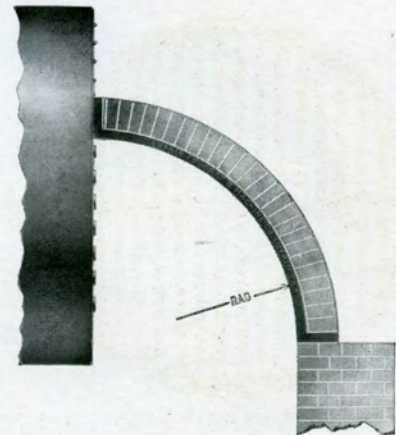


BACK WALL PLATES
For small boilers. We carry all sizes.

Miscellaneous Boiler Castings



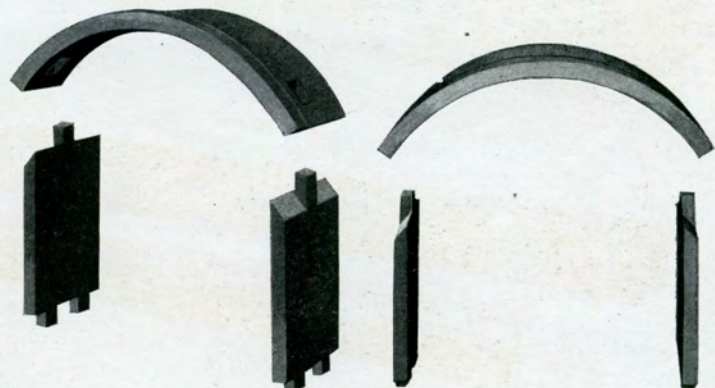
REAR ARCH BARS
For Inside Brick



REAR ARCH BARS
For Outside Brick

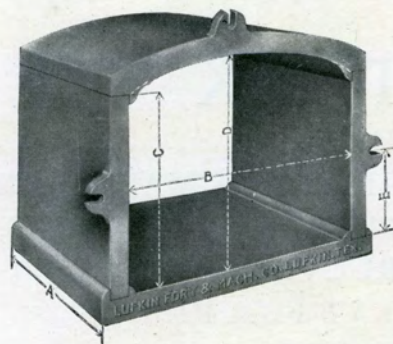


PLAIN REAR ARCH BARS.



WALL LINERS (2) FOR FIRE DOOR OPENINGS

These are in sections to facilitate replacing when burned out. The side pieces at lower end fit into holes in front bearing bar.



DOOR LINTELS OR WALL LINERS

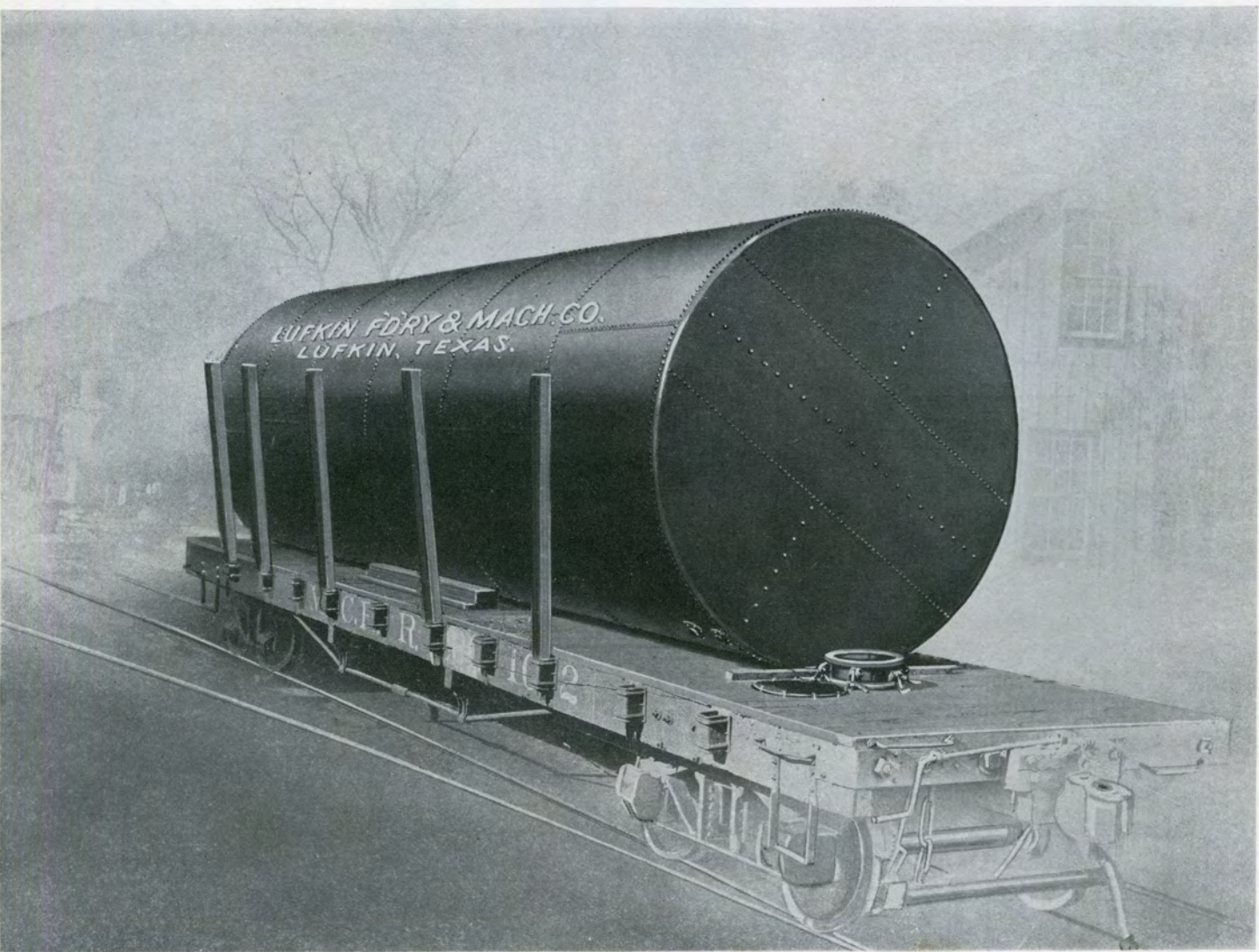
In all styles and sizes. Please give dimensions indicated in ordering. These lintels or wall liners are made solid or in pieces to suit requirements.



SQUARE FEED RING HOLES TO FORM OF ARCH
For Dutch Oven

Will not come loose—give radius of arch, size of opening, and depth of brick work in ordering.

Lufkin Machine & Foundry Co. Lufkin, Texas



ALL STEEL TANK

FOR LOCOMOTIVE FUEL OIL

WE HAVE A WELL EQUIPPED BOILER SHOP AND MANUFACTURE
TANKS AND TOWERS, STACKS, CONVEYORS, SEPARATORS,
SODA TANKS AND GENERAL STRUCTURAL STEEL
WORK OF ALL KINDS. LET US FIGURE
ON YOUR REQUIREMENTS.