

No 2.

STEEL BOILERS for BUILDERS No 389.90.

HEATING SURFACES.	
TUBES.	1881.221 ^{sq. ft.}
FLUES.	161.053
FIRE BOXES.	216.345
BACK TUBE PLATES.	46.205
TOTAL.	2304.824
GRATE AREA.	60.500
RATIO OF $\frac{H}{G}$	38.096
SECTIONAL AREA OF TUBES.	11.773
SEC. AREA OF TUBES.	1
GRATE AREA	5.139

TUBES.
181 STEEL PLAIN TUBES 3 $\frac{1}{2}$ " DIA. No 9 B.W.G. THICK
32 STEEL STAY TUBES 3 $\frac{1}{2}$ " DIA. $\frac{1}{16}$ " THICK MARKED=X
54 STEEL STAY TUBES 3 $\frac{1}{2}$ " DIA. $\frac{1}{16}$ " THICK MARKED=S
6 STEEL STAY TUBES 3 $\frac{1}{2}$ " DIA. $\frac{1}{16}$ " THICK MARKED=T
273 IN ALL

DIA 14'-6" x 12'-0" LONG.
WORKING PRESSURE 200 LBS.

SCALE 1 $\frac{1}{2}$ INCH TO A FOOT.
8 THUS.

TENSILE STRENGTH OF SHELL PLATES 29 TO 32 TONS PER SQUARE INCH.

PLAN OF SHELL RIVETINGS.
ALL HOLES TO BE DRILLED IN PLACES.

LENGTH OF SHELL PLATE = 10'-11 $\frac{1}{2}$ "

MEAN LENGTH = 12'-0"

STEEL STAYS 3 $\frac{1}{2}$ " DIA SECTIONAL AREA=10.12 SQUARE INCH MARKED (M)

8 THREADS PER INCH.

MARKED (M)

LAP WELDED STEEL STAY TUBES 3 $\frac{1}{2}$ " EXT. DIA $\frac{1}{16}$ " THICK (MARKED = T)

LAP WELDED STEEL PLAIN TUBES 3 $\frac{1}{2}$ " EXT. DIA B.W.G. No 9 THICK.

LAP WELDED STEEL STAY TUBES 3 $\frac{1}{2}$ " EXT. DIA $\frac{1}{16}$ " THICK (MARKED = S)

LAP WELDED STEEL STAY TUBES 3 $\frac{1}{2}$ " EXT. DIA $\frac{1}{16}$ " THICK (MARKED = X)

BETWEEN TUBE PLATE = 8'-1 $\frac{1}{16}$ "

LENGTH OF FIRE BARS = 5'-6"

7'-11 $\frac{1}{2}$ "

MARKED (B)

LAP WELDED STEEL STAY TUBES.

BACK
MARKED (T)

MARKED (S)

MARKED (X)

LAP WELDED STEEL PLAIN TUBES.

B.W.G. No 9 THICK
EXPANDED IN BOTH TUBE PLATES

STEEL STAYS MARKED (M)

SECTIONAL AREA 10.12 SQUARE INCH
13'-0"

STEEL DOG STAY.

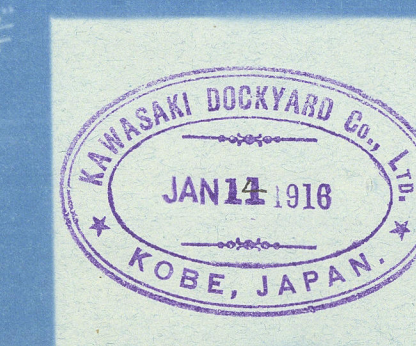
SECTIONAL AREA 7.55 SQ. INCH
12'-10"

STEEL SCREWED STAYS.

(P)
(R)
(S')

STEEL GIRDERS AND STAYS.

FOR GIRDERS



RETAIN

Kawasaki No. 389. 90.
Steel Boiler.

T. S. S. was sold to
Kawasaki Dryd No 389.

Kobe Rpt. No. 2045



W590-0141



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Foundation