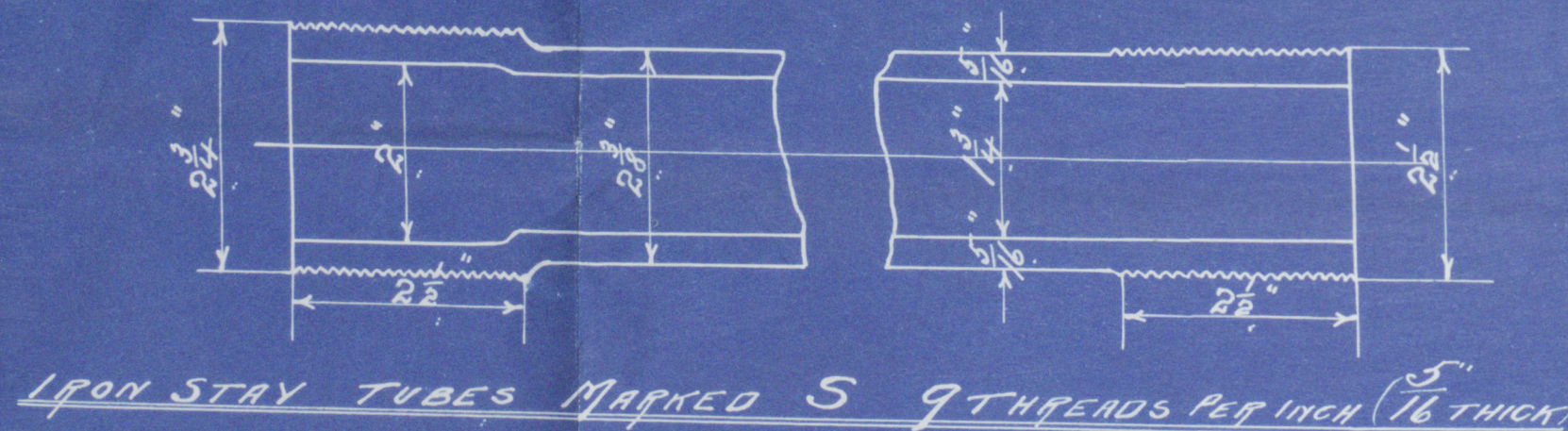


6007
Jawel 3/6/01.
" 8/6/01.
Jawel 7.6.01

HEATING SURFACE Sq. FEET

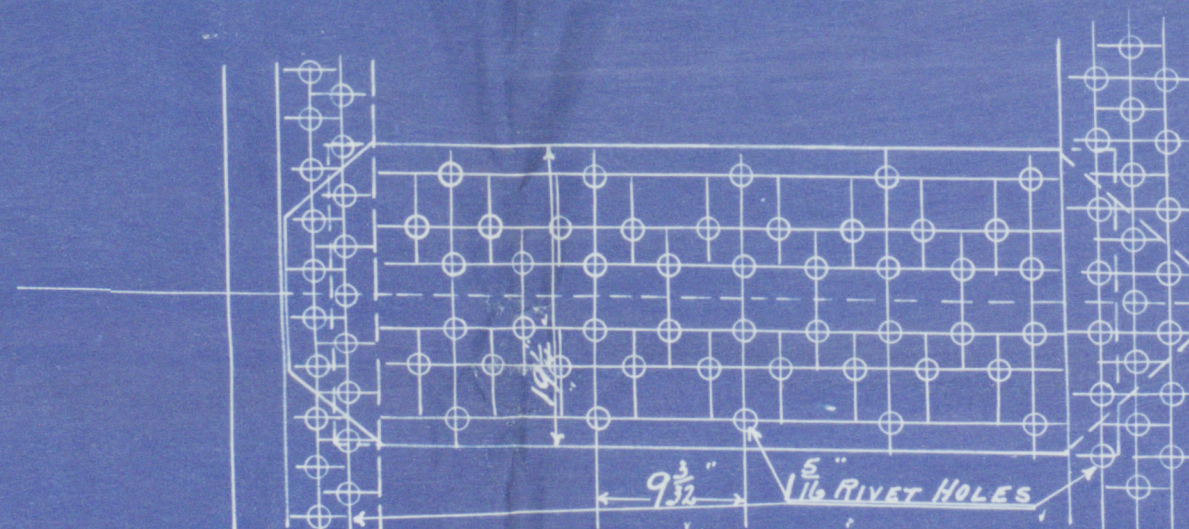
4 1/2 TUBS 2 1/2 EXT. DIA X 8'-0" LONG =	218.86
3 FURNACES 4 1/2 MEAN DIA X 8'-0" =	164.37
TOP AND SIDES OF COMB. CHIMNEY	128.50
BRICKS " " " =	65.00
BACK TUBE PLATES " =	66.50
FRONT " " =	36.50
TOTAL HEATING SURFACE =	2629.51
TOTAL HEATING SURFACE IN TWO BOILERS =	5259.02
GRATE SURFACE	SQ. FEET
3 FURNACES 4 1/2 INT. DIA X 5'-6" BRG	62.24
TOTAL GRATE SURFACE IN TWO BOILERS	126.48
H.S.	T.S.
6.5 = 41.59	6.5 = 34.60

STEAM SPACE FROM 9" ABOVE COMBUSTION CHAMBER = 465.
WEIGHT OF WATER (FRESH) 9" ABOVE " = 27 TONS
UPFRONT AREA THROUGH THE TUBES = 9.7 ft²



STEAM		SPACE		STAYS	
STAYS	MARKE	8 3/4	DIAM.	6	THREADS EFF. APT 7.239 ⁱⁿ
"	"	0 2 7/8	"	6	" " " " 5.557 ⁱⁿ
"	"	0 2 3/4	"	6	" " " " 5.051 ⁱⁿ

McNEILS DOOR AND COMPENSATING RING OPENING 16x12'



LONGITUDINAL JOINT
 PLATE $1\frac{1}{4}$ " RIVETS HOLES $1\frac{1}{8}$ " PITCH $9\frac{3}{4}$ " OUTER BUTT STRAP $3\frac{3}{4}$ " THICK
 PERCENTAGE OF PLATE 85-56 RIVETS 8-52 INCHER... $1\frac{3}{4}$ "
 WORKING PRESSURE BY RULE 180.3 LBS PER SQ INCH.

CENTRE CIRCUMFERENTIAL JOINT.
PLATE $1\frac{1}{4}$ RIVET HOLES $1\frac{5}{8}$ PITCH $1\frac{1}{2}$
PERCENTAGE OF PLATE 67.18 RIVETS 69.

END CIRCUMFERENTIAL JOINTS
PLATE 14. PIVET HOLES $1\frac{5}{16}$. PITCH $3\frac{1}{8}$. BARE.
PERCENTAGE OF PLATE 57.77. PIVETS 59.2.

NOTE. TENSILE STRENGTH OF SHELL PLATE 28 TO 32 TONS
" " " " OTHER PLATES 26 TO 30 " "

ALL RIVET HOLES DRILLED IN PLACE

THICKNESS OF PLATES	
SHELL	1 1/2"
OUTER BUTT	1 1/2"
INNER	1 3/4"
TOP FRONT	1 1/2"
TOP BACK	1 1/2"
FRONT TUBE RITE	1 1/2"
BACK "	1 1/2"
BOTTOM BACK	1 1/2"
CONF. CHAMBER	1 1/2"
" BOTTOM "	1 1/2"
FURNACES	1 1/2"
GIRDS	1 1/2"
WASHERS	1 1/2"
TOP AND SUBS. B.C.C.	1 1/2"
BOTTOM B.C.C. ROLLERS	1 1/2"
FURNACE FRONT	1 1/2"
CONF. TUBE RITE ROLLERS	1 1/2"

PASSED LLOYDS

MAIN BOILER. 20FF.

15'-6" DIA x 11'-6" LONG x 180 LBS. WORKING PRESSURE
TO PASS LLOYDS SURVEY.
ALL MATERIAL STEEL EXCEPT TUBES WHICH ARE IRON.

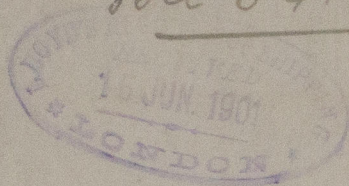
SCALE 1" = 1 FOOT

—N^o 186—

Workman Clark & Co. S.S. 186

Main, Paulers
S.S. Lord & Kuttum

Del 5410



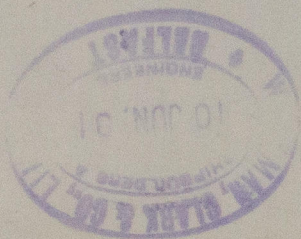
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