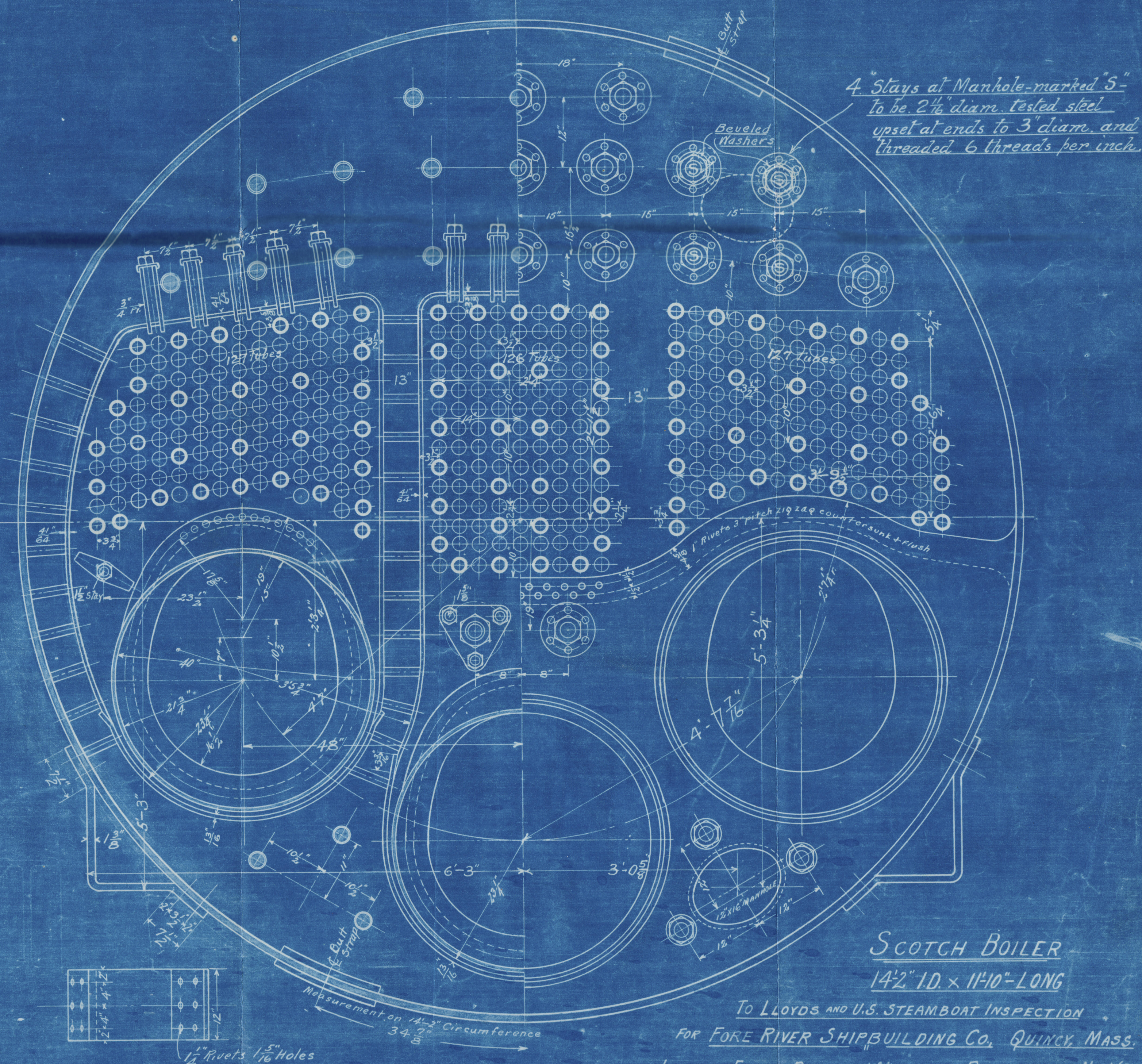
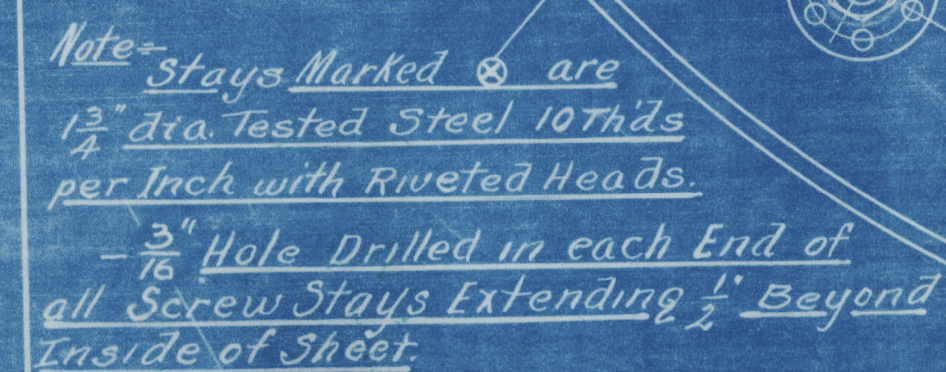


	BRITISH LEOPARDS	U.S. INSPECTION
SHELL $19\frac{1}{8}$ " 6.4	$\frac{C \times (T-2) \times D}{D} = \frac{2 \times 120 \times 10.75 \times 83.6}{27 \times 176} = 200.8$	$\frac{C \times T \times L^2}{A \times B} = \frac{89 \times 6.272 \times 11.2}{4 \times 6 \times 8.3} = 191.36$
TOP HEADS $6\frac{1}{8}$ " 6.4	$\frac{C \times T^2}{P} = \frac{800 \times (15.25)^2 \times 2}{(15.5 \times 15) \times (15)^2} = 200$	$\frac{C \times (T \times T^2)}{P^2} = \frac{1600 \times (7.2 \times 24.15)^2}{(15.6)^2} = 203$
HEAD STAYS $2\frac{1}{2}$ " 2.5	$\frac{A \times C}{a} = \frac{49087 \times 10000}{15.5 \times 15} = 211$	$\frac{A \times C}{a} = \frac{490677 \times 9000}{15.5 \times 15} = 190$
FURNACE $19\frac{1}{8}$ " 19.1	$\frac{1259 \times (T-2)^2}{D} = \frac{1259 \times 12.5^2}{48.19} = 195$	$\frac{C \times T}{D} = \frac{15600 \times 5.9375}{46.1} = 200$
COMB. CHAMBER SIDES & TOP $4\frac{1}{8}$ " 4.1	$\frac{C \times T^2}{P^2} = \frac{100 \times (12.25)^2 \times 2}{(7\frac{1}{2})^2 \times (7\frac{1}{2})^2} = 193$	$\frac{C \times T^2}{P^2} = \frac{130 \times (11.25)^2}{(7.5)^2} = 224$
COMB. CHAMBER BACK $5\frac{1}{8}$ " 5.1	$\frac{C \times T^2}{P^2} = \frac{100 \times 100 \times 2}{7\frac{1}{2}^2 \times 7\frac{1}{2}} = 196$	$\frac{C \times T^2}{P^2} = \frac{120 \times 10^2}{(5.5)^2} = 213$
WRAPPER STAYS $2\frac{1}{2}$ " 2.5	$\frac{A \times B \times C}{P} = \frac{1383 \times 8000}{7\frac{1}{2} \times 7\frac{1}{2}} = 203$	$\frac{A \times C}{a} = \frac{1382 \times 9000}{7\frac{1}{2} \times 7\frac{1}{2}} = 228$
COMB. CHAMBER GIRDERS $8\frac{1}{2} \times 3\frac{1}{8}$ " 8.5	$\frac{C \times D^2 \times T}{(L-P) \times D \times L} = \frac{9900 \times (8.25)^2 \times 11.5}{(30-7.25) \times 7\frac{1}{2} \times 30} = 197$	$\frac{C \times D^2 \times T}{(W-P) \times D \times L} = \frac{9225 \times (6.25)^2 \times 11.5}{(10-7.25) \times 7\frac{1}{2} \times 25} = 19$
ROUNDER BOTTOMS OF COMB. CHAMBER $1\frac{1}{8}$ " 1.1		$\frac{50 \times (300-T-1)}{D} = \frac{50 \times (300.845 - (8 \times 12))}{48.125} = 19$
TUBE PLATES (nest)	$\frac{C \times T^2}{P^2} = \frac{140 \times (12)^2}{10.25} = 19.8$	
TUBE PLATES WIDE WATER SPACE	$\frac{C \times T^2}{P^2} = \frac{140 \times (15.25)^2}{(12)^2} = 192$	

<u>HEATING SURFACE</u>	Tubes-2093	\$
	Other—	376
	<u>Total</u>	<u>2469</u>



SCOTCH BOILER
14'-2" I.D. x 11'-10" LONG

TO LLOYDS AND U.S. STEAMBOAT INSPECTION
FOR FORE RIVER SHIPBUILDING CO. QUINCY, MASS.
LAKE ERIE BOILER WORKS, BUFFALO, N. Y.

SCALE 1"=1 Foot
190# WORKING PRESSURE
REVISED JULY 23, 1915
REVISED MAY 26, 1915
A 189

W862-008

A189

RECEIVED
TUG RIVER SHIPBUILDING CORPN.
JUL 20 1913

Ans'd _____ By _____
Noted _____ By _____



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FORE RIVER HULLS 2474952

MAIN BOILERS



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COPY

FORE RIVER HULLS 247-249-252.

MAIN BOILERS

S.S. "MIELERO," BOSTON REPORT 899.

~~S.S. "MIELERO," BOSTON REPORT~~

SISTER SHIP TO S.S. "CLUBDIST," BOSTON
REPORT 852 AND S.S. "SUCROSH," BOSTON
REPORT 859.



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