

TUES. 6 AUG 1895

RE
Ely's Register
Foundation
381

2 on the *J. J. Davis*
James Russell & Co
 Net 2244.6 When built 1893

Boilers made at	By whom made	When made	Port belonging to
		1893-	Lebanon

No. of Cylinders	Description of Engines	Length of Stroke	Revolutions per minute	Diameter of Screw shaft as fitted
0	<i>Light Cannon</i>	42"	70	11.68
		42"		12.5

No. of Feed pumps	Diameter of ditto	Stroke	No. of screws	Pitch of screws	Diameter of screw
2		34"	10	10 1/2"	16 1/2"

Can one be overhauled while the other is at work

In Engine Room *girthed* *3 1/2*!
In Holes, 9 c. *argus* *3 1/2*!
Is a separate donkey suction fitted in Engine room of size *Med 3*

Are all connections with the sea direct on the skin of the ship? *Yes*

Are the discharge pipes above or below the deep water line *above*

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates *Yes*

Are the blow off cocks fitted with a spigot and brass covering plate *Yes*

Are all pipes, cocks, valves, and pumps in connection with the machinery and all boiler mountings accessible at all times. *Yes*

18 ft. water with a vacuum of 27 in. Hg. (Letter for record)
BOILERS, &c.—
Total Heating Surface of Boilers 4268.2
Working Pressure 165 lb. Tested by hydraulic pressure to 230 lb.

each boiler 1500 square ft. Area of each boiler 1500

Smallest distance between boilers or uptakes and bunkers or woodwork 15 ft. from bunkers

Mean diameter of boilers 10 ft. 2

long, seams double 12 ft. 2

with easing gear 4 ft. 2

No.	Material	Working pressure of shell by rules	Size of manhole	Per centages of strength of longitudinal joint	Plate	No. and Description of Furnaces in each boiler	Size of compensating ring
10000	Steel	10000	3 ft 6 in	84.5	4 x 1 1/8	3 furnaces	4 x 1 1/8

Working pressure by rules 168 lbs
Area supported by each stay 66"
Pitch of stays to ditto. Sides 8' x 8' Back 9' x 8' 1/2
If stays are fitted with nuts or riveted heads nuts

Diameter at smallest part	Material of lower back plate	Thickness	Greatest pitch of stays	Working pressure of plate by rules	Mean pitch of stays
12"	Steel	1 1/2"	100%		94%
14"	Steel	1 1/2"	100%		94%
16"	Steel	1 1/2"	100%		94%
18"	Steel	1 1/2"	100%		94%
20"	Steel	1 1/2"	100%		94%
22"	Steel	1 1/2"	100%		94%
24"	Steel	1 1/2"	100%		94%
26"	Steel	1 1/2"	100%		94%
28"	Steel	1 1/2"	100%		94%
30"	Steel	1 1/2"	100%		94%
32"	Steel	1 1/2"	100%		94%
34"	Steel	1 1/2"	100%		94%
36"	Steel	1 1/2"	100%		94%
38"	Steel	1 1/2"	100%		94%
40"	Steel	1 1/2"	100%		94%
42"	Steel	1 1/2"	100%		94%
44"	Steel	1 1/2"	100%		94%
46"	Steel	1 1/2"	100%		94%
48"	Steel	1 1/2"	100%		94%
50"	Steel	1 1/2"	100%		94%
52"	Steel	1 1/2"	100%		94%
54"	Steel	1 1/2"	100%		94%
56"	Steel	1 1/2"	100%		94%
58"	Steel	1 1/2"	100%		94%
60"	Steel	1 1/2"	100%		94%
62"	Steel	1 1/2"	100%		94%
64"	Steel	1 1/2"	100%		94%
66"	Steel	1 1/2"	100%		94%
68"	Steel	1 1/2"	100%		94%
70"	Steel	1 1/2"	100%		94%
72"	Steel	1 1/2"	100%		94%
74"	Steel	1 1/2"	100%		94%
76"	Steel	1 1/2"	100%		94%
78"	Steel	1 1/2"	100%		94%
80"	Steel	1 1/2"	100%		94%
82"	Steel	1 1/2"	100%		94%
84"	Steel	1 1/2"	100%		94%
86"	Steel	1 1/2"	100%		94%
88"	Steel	1 1/2"	100%		94%
90"	Steel	1 1/2"	100%		94%
92"	Steel	1 1/2"	100%		94%
94"	Steel	1 1/2"	100%		94%
96"	Steel	1 1/2"	100%		94%
98"	Steel	1 1/2"	100%		94%
100"	Steel	1 1/2"	100%		94%

[illegible]

If stiffened with rings ☐ Distance between rings ☐ Working pressure of rings ☐ Are they fitted with easing gear ☐ Area of safety valves to superheater ☐ Working pressure of end plates ☐

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