

X 15578

Report of Survey for Repairs of Engines and Boilers.

(Rev 3/12/75)

No. 9

No. in Reg. Book. Survey held at Jarrow on Tyne Date, first Survey Nov^r 18th Last Survey Nov^r 27th 1875

273 on the Steam ship "Cartago Nova" 1336 Tons

Owners J. Hall Port belonging to London,

Classed 90A1 Character in Register Book.

Diameter of Cylinder One 30 & One 54

Length of Stroke 33 inches

Pressure of Steam 66 lbs per sq inch

Nominal Horse Power 120.

Engines made at

By whom made

Jarrow on Tyne,

Mess^{rs} Palmer & Co.,

When made 1871.

Particulars of Repairs and Examination at request of Capt^r Lowrie, Newcastle,
Examined the damaged propeller & shaft, recommended that
a new blade be fitted in lieu of one broken, and propeller shaft
to be put in lathe and trued up when propeller fits on, and two
new feathers firmly fixed in shaft.

And at request of Capt^r Lowrie, surveyed the Engines and
Boilers with a view of Lloyd's Machinery Certificate being
granted, and the record of M.C. in red made in the Register
Book.

On examination found that sea water could be
run in at Bife Injection, Donkey Cock, and Bilge suction
valve of Ballast Donkey. Boiler Blow-off Cock required
refixing on ships bottom, A bad place in the bottom of a
furnace required repairing, and three Boiler tubes required re-
newing, Ring for keeping lignum vitae in stem tube, nearly corroded
of the stem post, recommended that the Bife injection and
Bilge suction of Ballast Donkey be made non return. Donkey Cock
to be fitted with a new plug with lap on port, bottom of furnace to be
repaired by fitting a plate on it, fit 3 new tubes, and bottoms of
Boilers to be caulked where necessary. Blow-off Cock fixed on ships
bottom with a brass plate, and a new ring fixed on stem post
to prevent lignum vitae coming out. The above work was
executed and afterwards examined by me and found correct.

Examined the Boilers and found them in good condition,
Corrosion having only slightly commenced on the stays, which are now
in places 1 3/8 square, originally 1 3/4 square, and shells in places at
water level where I had a hole drilled, plate measured 3/4 thick
originally 7/16 thick,

In my opinion the Engines and Boilers of this
ship are in a good, efficient and safe working condition.

Damage Survey Dec 2. 2

The Amount of Fee ... £ 3 : 3 : received by me,

Certificate (if required) ... £ 0 : 5 : 2nd Decr. 1875.

(Travelling Expenses, if any, £ 1 : 1)

Committee's Minute

4th January 1876.

William Allison,

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



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(The Surveyors are requested not to write on or below the space for Committee's Minute).