

RETAIN

Disclassified 108

19th. April, 1915.

A.E. Farminer

Messrs. Rennie, Forrest & Shipbuilding, Engineering, and Dry Dock Co., Ltd., examine the hull and machinery of the Twin Screw Steamer "BUYAR ADA", 539 tons register, of London, during construction at their yard, for the purpose of seeing that the same were built in accordance with the Builders' Specification.

Attendance was given at the vessel from the 27th. June, 1911, until her completion on the 24th. November, 1914, and the terms of the Specification appear to have been satisfactorily complied with.

The undersigned also attended the official speed and consumption trials. Two runs were made each way on the measured mile, with and against the tide, and afterwards at full power for four hours; the vessel tried ahead and astern, and the steering qualities found satisfactory.

Speed and consumption trials.

Port. Engine.

Starboard Engine.

Cylinders $12" \times 19" \times 30"$
21"

Expansion linked in.

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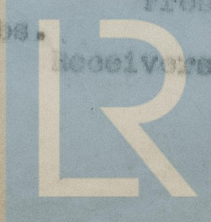
Pressures.

Pressures.

Receivers H.P. 123

Boiler 180 Lbs.

Receivers H.P. 123



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WL614-0082 1/2

Receivers I.P. 40 lbs.

L.P. $4\frac{1}{2}$ lbs.

Vacuum 25 inches

Revolutions 162 per minute.

Receivers I.P. 42 lbs.

L.P. 5 lbs.

Vacuum $25\frac{1}{2}$ inches.

Revolutions 168 per minute.

Temperatures.

Feed water 125 F

Sea " 59 F

Discharge 95 F

Air press fan 3 inches.

Do. above bars $7\frac{1}{16}$ inches.

Do. below " $\frac{7}{8}$ inches.

Strokes of air pump: 40 per minute.

Revolutions of centrifugal pump: 300 per minute.

Horse power, port engine: 579.

" , starboard engine: 401. Total horse power: 780

Coal consumption per hour 1598 lbs.

A mean speed of $13\frac{1}{2}$ knots per hour was attained.

The hull and engines of this vessel were commenced at the Thames Iron Works Shipbuilding and Engine Co., Ltd., the hull being eventually towed to Wivenhoe, where all the work was completed.

The boiler originally built for the vessel was appropriated for another steamer, but the one which has been fitted is a duplicate of the original.

Fee. Hull. £29- 9-0

Machinery. £11- 6-0

£40-15-0



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W1614-0082¹/₂