

Report of Survey for Repairs of Engines and Boilers.

No. 122
No. in Reg. Book. 974 Survey held at Antwerp Date, first Survey 30th 9th 1881 Last Survey 2nd January 1882
on the Machinery of the Steamer N. N. Annie (Number of Visits eight)
Tonnage, Gross 1443 Built at Hull When built 1876
Ditto, Net 274 Owners Goolle Steam Ship Co. Port belonging to Goolle
Diameter of Cylinder 30" and 54 3/4 Engines made by H. Samuelson Hull When made 1870
Length of Stroke 24 inches Boilers made by C. D. Jones When made 1874
Pressure of Steam 60 lb
Registered Horse Power 98
Last Survey No. 721 Port Antwerp
Classed + Character in Register Book. A
Drydock No. 1250

Particulars of Repairs and Examination Damage Repairs

Examined Cylinders, Slide Valves, Crank Shaft, pumps, pipes, valves and cocks in bottom of ship, shafting, propeller Condenser & Boilers.

Found pistons of Cylinders, slide valves, pumps, Condenser pipes, valves and cocks in bottom of ship to be cleaned and overhauled; the after Crank pin cracked longitudinally from web to web, underside the Crank and four bolts in after coupling broken. Found seams and stays in back of Combustion chamber of Starboard boiler, started and leaky also longitudinal stays, wing sides of fire boxes, much eaten away.

Found the head valve grating of Circulating pump broken and discharge pipe broken near Condenser joint.

Repairs done; Cleaning and resetting piston springs; taken out slide valves, the same refitted, turned up spindles and fitted new brasses for stuffing boxes and glands.

Overhauled air and circulating pumps; fitted new grate for the latter and supplied new india rubber valves.

All Condenser tubes taken out, cleaned and replaced; about one hundred seventy new tubes supplied and new ferrules; discharge pipes and all pipes and cocks in bottom of ship and blow off cocks refitted; one set of new coupling bolts fitted to after Crank Shaft which was found in efficient state just now.

General Observations, Opinion, and Recommendation:— I am of opinion that the Engines & Boilers of this vessel are now in good and safe working condition worthy to be continued as classed

Entry or Registering Fee... £ 1 : 0 : 0
Survey Fee (per Section 28) ... £ 2 : 2 : 0 received by me,
Certificate (if required) ... £ : : 2nd January 1882
to be sent as per margin.
(Travelling Expenses, if any, 2)

Committee's Minute 6 Jan 1882

Assigned Lloyd's 11/1/82
J.B.M.

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

with regard to the safe working of the Engines but recommend said damaged shaft to be replaced by a new one at the earliest convenient opportunity.

Fitted in Boilers four new longitudinal wing stays; two new plates 4'-5" by 26 inches in back of Combustion Chamber of Starboard boiler also 50 new screw stays from back of Boiler to back of Combustion Chamber; 30 of said stays were replaced by new in Port Boiler. After the repairs above mentioned were effected, the Boilers have been tested by hydraulic pressure up to 90 lbs per square inch and found in efficient condition; but considering their general actual state I recommend they should be resurveyed within six months from date of present survey.

J. S. M. Lloy

It is submitted that this vessel is eligible
to have the registration stay is the
1. 82 records referred to the
Boiler & main shaft being
renewed within 6 months
and 3 months respectively.

M. 6/1/82

