

22506 Iron

S.S. "Glencoe"

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Recd 24/1/29

Description *Compound Inverted Direct Acting* Are all the bilge suction pipes fitted with roses *Yes*
Made by *The London & Glasgow Coy* No. of feed pumps *Two* and sizes *5 1/2" dia x 18" stroke*
When *1879* At *Glasgow* What gauges are there *Four Steam One Vacuum*
Diameter of cylinder *8 1/8" x 88"* Length of stroke *60"* engines and boilers ... *One Compound*
No. of revolutions per minute *Not ascertained*
Point of cut off *Not ascertained*
Diameter of screw shaft *1 1/4"*
Diameter of crank shaft journals *1 1/4"*
Diameter of screw, or ~~crank~~ paddle wheel *20 1/2"*
Pitch of screw *26 1/2"*
No. of blades *Four* Total surface *104 ft²*
No. of bilge pumps *Two* and sizes *5 1/2" dia x 18"*
Do they pump from each compartment *Yes*

Description and size of Donkey Pumps ... *Double Acting*
Where do they pump *From Main Bilge & Astern*
from ...
No. of bilge injections *Two* and sizes *5"*
Are they connected to air, or circulating pumps *Circulating*
Is there a hand pump in the engine room *Yes*
Can it be worked by the main engines *No*
Is there a deck hose of sufficient length to reach to any part of the vessel *Yes*

MAIN BOILERS.

Number *Three* Description *Two Double ended & One Single*
Made by *The London & Glasgow Coy*
When *1879* At *Glasgow*
Working pressure *75 lbs*
Tested by hydraulic pressure to *150 lbs*, Date *Nov 15th 1878*
Description of super-heating apparatus *Round Longitudinal Receiver of each boiler*
Can each boiler be worked separately *Yes*

Can the super-heater be shut off and the boilers worked separately *No*
Description and area of safety valves on each boiler *Two Direct Spring each 30.6" area on each boiler*
No. of square feet of fire-grate surface in each boiler *Two Direct Spring each 15.9 on small boiler - 5 1/2" x 11 1/2" in small*
Are there separate blow off and brine cocks on each boiler, independent of those on the vessel's skin *Yes*
Are all pipes, cocks, roses, and pumps in connection with the machinery accessible at all times *Yes*

DONKEY BOILER.

Description *Flat Sided Horizontal*
Where fixed *On Main Deck*
Working pressure *50 lbs*

Tested by hydraulic pressure to *100 lbs*, Date *Nov 15th 1878*
Description and area of safety valves *Direct Spring*
No. of square feet of fire grate *14 ft²*

PIPES, COCKS, AND CONNECTIONS.

Are all connections with the sea direct on the skin of the ship *Yes*
Are they Kingston valves or common cocks ... *Screw down valves & Cocks*
Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates ... *Ashcocks are below*
Are the discharge pipes above or below the deep water line *Below*
Are they each fitted with a discharge valve on the plating of the vessel *Yes*

What pipes are carried through the bunkers *Bilge pipes to forehold*
How are they protected *By wood casing*
When were the stern tube, propeller, screw shaft, and all connections examined in dry dock *On Slip previous to being launched*
Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilge *Yes*
Is the screw shaft-tunnel water tight and fitted with a sluice door on bulkhead *Yes*

M. Kelly & Co. Manufacturer.

I hereby certify that the whole of the above are correct particulars of the Machinery and Boilers of the Iron (~~or Wood~~) Screw (~~or Paddle~~) Steam Vessel *"Glencoe"* owned by *The London & Glasgow Coy* of the Port of *London* of *1901* Tons Register, and *550* Registered Horse Power, and that they have been carefully inspected and examined by me at *Glasgow* and found to be at this date, viz., *January 23rd 1879* in good order and safe working condition.

Amount of Fee for Survey ... *£24:10:0* Guid
(Travelling Expenses, if any, £ ...)

James Morrison
Engineer Surveyor to Lloyd's Register of Shipping.
Clyde District

It is submitted that this
vessel is eligible to have
a machinery certificate
granted and Lloyd's
recorded
Mullion
28/1/79



© 2019

Lloyd's Register
Foundation