

Date of writing Report191When handed in at Local Office26 10 1929Port ofGlasgow

No. in Survey held atRenfrewDate, First Survey5 8 29Last Survey23rd Oct 1929

Reg. Bk. 81848on theBOILERS No. 6/1254 H.K. Tw. K. Turbine & Prince CharlesNumber of Visits16Gross TonsNot

MasterBuilt atHobokenBy whom builtSoc. An. John CockerillWhen built1930-10

Engines made atSeraingBy whom madeSoc. An. John CockerillWhen made1930

Boilers made atRenfrewBy whom madeMessrs Babcock & Wilcox LtdWhen made1929

Registered Horse PowerOwnersBelgian GovernmentPort belonging toOstend

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of SteelS. C. Colville & Sons.

(Letter for RecordS)Date of Approval of plan4-7-29Number and Description or Type

of Boilers6. Babcock & Wilcox TypeWorking Pressure370 lbs. Tested by Hydraulic Pressure to21,300 sq ft B.L.R. Date of Test21,300 sq ft B.L.R.

No. of CertificateCan each boiler be worked separatelyTotal Heating Surface of Boilers5940 sq ft 5/16"

Is forced draught fittedYesArea of fire grate (coal) in each Boiler104.75 sq ftTotal grate area of boilers in vessel including

Main and AuxiliaryNo. and type of burners (oil) in each boilerNo. and description of safety valves on

each boilerArea of each valvePressure to which they are adjusted

Are they fitted with easing gearIn case of donkey boilers state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodworkHeight of BoilerWidth and Length

Steam Drums:—Number in each boilerOneInside diameter3'-0"Material of platesSteelThickness1/4" T.P. 15/16"

Range of Tensile Strength28-32 tonsAre drum shell plates welded or flangednoDescription of riveting:—

Cir. seamsD.R. Lap. long. seamsD.R.D.B.S.Diameter of rivet holes in long. seams3/32Pitch of Rivets3-7"

Lap of plate or width of butt straps10 3/8"Thickness of straps1/16"Percentage strength of long. joint:—Plate73.8Rivet85.5

Diameter of tube holes in drum4 3/64"Pitch of tube holes7 1/4"Percentage strength of shell in way of tubes84.3

If Drum has a flat side state method of stayingDepth and thickness of girders at centre

(if fitted)Distance apartNumber and pitch of stays in eachWorking pressure

by rulesSteam Drum Heads or Ends:—MaterialSteelThickness1 3/16"Radius or how stayed3'-0"

Size of Manhole or Handhole15"x11"Water Drums:—Number in each boileroneInside Diameter6"x6"

Material of platesSteelThickness3/4"Range of tensile strength24-28 tonsAre drum shell plates welded

or flangedSolid drawnDescription of riveting:—Cir. seamslong. seamsDiameter of Rivet Holes in

long. seamsPitch of rivetsLap of plates or width of butt strapsThickness of straps

Percentage strength of long. joint:—PlateRivetDiameter of tube holes in drum4 3/64"Pitch of tube holes7 1/4"

Percentage strength of drum shell in way of tubes42.2Water Drum Heads or Ends:—MaterialSteelThickness3/4"

Radius or how stayedFlatSize of manhole or handholeHeaders or Sections:—Number24 Pans. per B.L.R.

MaterialSteelThickness1/2"Tested by Hydraulic Pressure to605Material of Stays

Area at smallest partArea supported by each stayWorking Pressure by Rules506Tubes:—Diameter4" x 1 3/16"

Thickness4 { 1 L.S.G. 1 3/16 { 7 L.S.G. Number72 @ 4 1/2"Steam Dome or Collector:—Description of Joint to Shell

Percentage strength of JointDiameterThickness of shell platesMaterial

Description of longitudinal jointDiameter of Rivet HolesPitch of RivetsWorking Pressure of shell

by RulesCrown or End Plates:—MaterialThicknessHow stayed

SUPERHEATER. TypeBabcock & W. Date of Approval of Plan4-7-29Tested by Hydraulic Pressure to605

Date of TestIs a safety valve fitted to each section of the superheater which can be shut off from the Boiler

Diameter of Safety ValvePressure to which each is adjustedIs easing gear fitted

Is a drain cock or valve fitted at lowest point of superheateryesNumber, diameter, and thickness of tubes110 @ 1 1/2" x 8 L.S.G.

Spare Gear. TubesGaskets or joints:—ManholeHandhole66" S/HHandhole plates2" S/H

The foregoing is a correct description,

Babcock & Wilcox, Ltd. Manufacturer.

Dates of SurveyDuring progress of1929 Aug 5, 13, 16, 21, 26 Sep 3, 9, 10, 11, 16, 18, 20Is the approved plan of boiler forwarded herewithNO.

while buildingDuring erection on23, 25 Oct 7, 23Total No. of visits16

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)The drum ends, mud drums,

headers, and superheater boxes, have been built under survey in

accordance with the Rules and approved plans.

The materials and workmanship are good

These parts are to the order Messrs Societe Anonyme John Cockerill and intended

for Belgian Mail Steamers for auction on board

Survey Fee... £41-0-0When applied for191

Travelling Expenses (if any) £: :When received191

MONTHLY ACCOUNT

Committee's MinuteGLASGOW29 OCT 1929

AssignedTRANSMIT TO LONDON

See Ant. 20 1/2 1/3 1/3

004556+004563-0091