

REPORT ON WATER TUBE BOILERS.

No. 3575

MON. AUG. 22 1921

Received at London Office

of writing Report 15TH JULY 1921 When handed in at Local Office

191

Port of

San Francisco

No. in Survey held at SAN PEDRO CAL Date, First Survey 31ST MAY 1921 Last Survey 8TH JULY 1921

g. Bk. on the S/S. "SCOPAS" Number of Visits 8 Tons Gross 5928 Net 3458

ater F REEDEKER Built at SAN PEDRO CAL By whom built SOUTHWESTERN S.B. Co When built 1921

ines made at HAMILTON OHIO By whom made HOOVER OWENS RENTSCHLER When made 1921

ilers made at PORTLAND OREGON By whom made WILLAMETTE IRON AND STEEL Co When made 1921

gistered Horse Power Owners NEDERLANDSCH-INDISCHE TANK STOOMBOOT MAATSCHAPPIJ Port belonging to S' GRAVENHAGE

ULTITUBULAR WATER TUBE BOILERS MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel SEE PORTLAND REPORT N° 629

etter for Record Date of Approval of plan Number and Description or Type

Boilers ONE SINGLE ENDED SCOTCH Working Pressure 120 LBS. Tested by Hydraulic Pressure to 230 Date of Test 1/3/21

of Certificate 223 Can each boiler be worked separately Total Heating Surface of Boilers 12 1/2

forced draught fitted No Area of fire grate (coal) in each Boiler OIL BURNER Total grate area of boilers in vessel including

in and Auxiliary No. and type of burners (oil) in each boiler No. and description of safety valves on

h boiler 2 SPRING LOADED Area of each valve 5.93.9" Pressure to which they are adjusted 125 LBS

e they fitted with easing gear YES In case of donkey boilers state whether steam from main boilers can enter the donkey boiler No

allest distance between boilers or uptakes and bunkers or woodwork 12" Height of Boiler Width and Length

eam Drums: Number in each boiler Inside diameter Material of plates Thickness

nge of Tensile Strength Are drum shell plates welded or flanged Description of riveting:

r. seams long. seams Diameter of rivet holes in long. seams Pitch of Rivets

p of plate or width of butt straps Thickness of straps Percentage strength of long. joint: Plate Rivet

iameter of tube holes in drum Pitch of tube holes Percentage strength of shell in way of tubes

Drum has a flat side state method of staying Depth and thickness of girders at centre

fitted) Distance apart Number and pitch of stays in each Working pressure

rules Steam Drum Heads or Ends: Material Thickness Radius or how stayed

se of Manhole or Handhole Water Drums: Number in each boiler Inside Diameter

aterial of plates Thickness Range of tensile strength Are drum shell plates welded

flanged Description of riveting: Cir. seams long. seams Diameter of Rivet Holes in

g. seams Pitch of rivets Rivet Diameter of plates or width of butt straps Thickness of straps

centage strength of long. joint: Plate Rivet Diameter of tube holes in drum Pitch of tube holes

centage strength of drum shell in way of tubes Water Drum Heads or Ends: Material Thickness

dus or how stayed flat Size of manhole or handhole Headers or Sections: Number

aterial Thickness Tested by Hydraulic Pressure to Material of Stays

ca at smallest part Area supported by each stay Working Pressure by Rules Tubes: Diameter

ickness Number Steam Dome or Collector: Description of Joint to Shell

centage strength of Joint Diameter Thickness of shell plates Material

escription of longitudinal joint Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell

Rules Crown or End Plates: Material Thickness How stayed

PERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

te of Test Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler

iameter of Safety Valve Pressure to which each is adjusted Is easing gear fitted

a drain cock or valve fitted at lowest point of superheater Number, diameter, and thickness of tubes

are Gear. Tubes Gaskets or joints: Manhole Handhole Handhole plates

The foregoing is a correct description,
O. B. Smith, Manufacturer.

Dates During progress of work in shops Is the approved plan of boiler forwarded herewith No
Survey while during erection on board vessel 1921: MAY 31, JUNE 6, 14, 15, 20, 28, JULY 5, 8. Total No. of visits 8.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler was constructed under special
use of materials, tested to Rule requirements and workmanship found good. It has been fitted
on board the vessel in an efficient manner and examined under working conditions and found
satisfactory

Survey Fee ... When applied for 191
Travelling Expenses (if any) £ No. 3575. When received, 191

Committee's Minute New York AUG - 9 1921
Signed See S. 70. 3575

W. M. Smith
Engineer Surveyor to Lloyd's Register of Shipping.

TUE. NOV. 1 1921

