

REC'D NEW YORK DEC 10 1921

5b.

# REPORT ON BOILERS.

No. 4585

Received at London Office JAN. 1922  
Date of writing Report 27<sup>th</sup> Nov 21 When handed in at Local Office 1<sup>st</sup> Dec 1921 Port of Philadelphia  
No. in Survey held at Camden N.J. Date, First Survey 17<sup>th</sup> March 1921 Last Survey Nov 24<sup>th</sup> 1921  
No. of Visits 25 Gross 8046.27  
Net 4960.  
on the New Steel S.S. "Dicie Arrow"  
Built at Camden By whom built New York S.S. Corp When built 1921  
By whom made New York S.S. Corp When made 1921  
The Standard Transportation Corp Port belonging to New York.

VERTICAL DONKEY BOILER— No. One Description Multitubular Manufacturers of steel Carnegie Steel Corp  
at Camden By whom made New York S.S. Corp When made 1921 Where fixed Tidley Working pressure 125  
by hydraulic pressure to 188 Date of test 20.7.21 No. of Certificate 527 Fire grate area 7.06 sq ft Description of safety valves Spring loaded  
of safety valves Two Area of each 1.44 sq ft Pressure to which they are adjusted 125 lbs If steam from main boilers can  
the donkey boiler No Dia. of donkey boiler 3'-6 3/4" Length 4'-0" Material of shell plates Steel Thickness 3/8" Range of tensile  
with 11600 Descrip. of riveting long. seams D.R. lap. Dia. of rivet holes 3/8" Whether punched or drilled drilled Pitch of rivets 2.58"  
of plating 3/8" Per centage of strength of joint Rivets 47.6 Working pressure of shell by rules 134 lbs Thickness of shell crown plates 1/2"  
us of do. flat No. of Stays to do. none Dia. of stays 1" Diameter of furnace Top 3'-0" Bottom 3'-6" Length of furnace 2'-3 3/4"  
ness of furnace plates 1/32" Description of joint lap. S.R. Working pressure of furnace by rules 134 lbs Thickness of furnace crown  
3/8" Radius of do. flat Stayed by headed tubes Diameter of uptake 1" Thickness of uptake plates 1/2"  
ness of water tubes 12 B.W.G.

The foregoing is a correct description,  
New York Ship Corp. R.M. Young Manufacturer.  
H. Engineers.

During progress of work in shops— 1921 Mar 17 Apr 22 May 13 20 25 June 7 20 30  
During erection on board vessel— Sept 19-20 Oct 3 5 13 15 20 27 Nov 1 4 7 9 12 14 17 21 24  
Total No. of visits 25  
Is the approved plan of boiler forwarded herewith yes.

## GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The machinery has been built under special survey, the materials and workmanship found good & all hydraulic tests satisfactory. Securely fixed in place and tried under steam, found in good & safe working condition. It is submitted that the vessel be Eligible for the Record of 2 M C 11-21 fitted for Oil Fuel 11-21 F.P. above 150°F

Survey Fee ... £ : : When applied for, Dec 9<sup>th</sup> 21  
Travelling Expenses (if any) £ : : When received, 19

William D. Bates, J. E. F. 21  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

New York DEC 28 1921

Assigned

See Phila. 4285



W164-0237