

Buffalo N.Y. By whom made *Barber Asphalt Paving Co.* when made *1919*
 Owners *United States Shipping Board* Port belonging to *Wilmington N.C.*
 Is Electric Light fitted *Yes*

Form A. B. 108
(See Cir. L. 145)

AMERICAN BUREAU OF SHIPPING

Date *Feb. 17, 1919*

REPORT NO. 74	REPORT ON RECIPROCATING ENGINES		PORT Pittsburg, Pa.
NO. IN RECORD	NAME OF VESSEL		PORT OF REGISTRY
CLASS	BUILT BY Carolina S. B. Co.	WHERE BUILT	
GROSS TONNAGE	OWNERS Emergency Fleet Corp. Engine No. 559	YEAR OF CERTIFICATE	
WHEN BUILT	ENGINES BUILT BY Hooven, Owens Rentschler Co., Cont. #1121	WHERE BUILT Hamilton, Ohio	
SINGLE OR TWIN SCREW	TYPE OF ENGINES Triple Expansion, Reciprocating	BOILER PRESSURE	
MAIN ENGINE DATA			
Stroke 48"	Working Pressure 200	COPY	
Revolutions 88	Designed Indicated I. H. P. 2800		
CYLINDER DIAMETERS AND TEST PRESSURE APPLIED			
H. P. Cylinder 24-1/2"	Test Press. 300	2nd I. P. Cylinder	Test Press.
1st I. P. Cylinder 41-1/2"	Test Press. 150	L. P. Cylinder 72	Test Press. 50
TYPE OF VALVES			
H. P. Valve Piston	2nd I. P. Valve		
1st I. P. Valve Piston	L. P. Valve Slide		
THROTTLE VALVE			
Diameter of Valve 8"	Tested to 400	Lbs. Pressure	
CONDENSER			
Type	Diameter of Tubes		
Cooling Surface in Sq. Feet	Length between Tube Sheets		
No. of Tubes			
1st Visit	Last Visit <i>Constant attention</i> (S.) James A. Neely SURVEYOR CHIEF SURVEYOR		
No. of Visits			
Fees			
Expenses			
Total			

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 This Report consists of sheets attached hereto
 002085-002093-0248/7
 Lloyd's Register
 Foundation

Material of tube plates Thickness: Front Back Mean pitch of stays
 Working pressures by rules Girders to Chamber tops: Material Depth and
 Length as per rule Distance apart

Form A. B. 108 Sheet 2

SHAFTING

Crank Shaft—Type	Built up	Intermediate Shafting, No. of Lengths
Crank Shaft Diameter	14"	Intermediate Shafting Diameter
Thickness of Webs	9-1/2"	Diameter of Coupling
Width of Webs	Pin End 27" Shaft End 29-3/4"	No. and Diameter of Shaft Coupling Bolts.
Thrust Bearing Type	Horse Shoe	Propeller Shaft Diameter
Thrust Shaft Diameter	14"	Type of Sleeve
Number of Collars	10	Thickness of Sleeve
Diameter of Collars	23-1/2"	Diameter of Thread at End

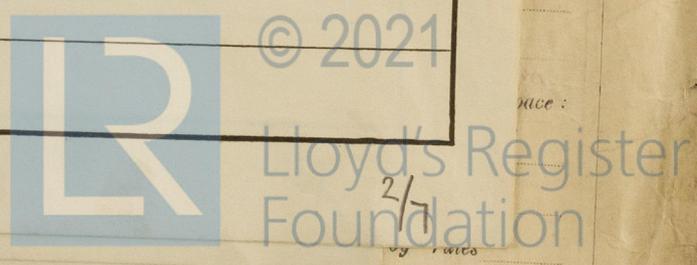
PROPELLER

Material	Pitch
No. of Blades	No. and Size of Bolts
Solid or Sectional	How Fitted to Shaft
Diameter	Developed Area of Blades

AUXILIARIES DIRECT CONNECTED TO MAIN ENGINE

DESCRIPTION	No. of	Type	Diam.	Stroke	REMARKS
Reversing Engine	1	Steam slide valve	14"	20"	
Turning Engine	1	Steam Reversible	8"	6"	
Air Pump	1	Edwards	26"	21"	
Circulating Pump					
Bilge Pump	2	Plunger	5"	21"	
Sanitary Pump					
Feed Pump					
Evap. Feed Pump	1	Plunger	1-3/4"	8"	

COPY



3
 Steel
 tight
 e part
 of two
 under
 pumps
 3.576
 3 1/2"
 Yes
 bore
 Yes
 Eng. room

AMERICAN BUREAU OF SHIPPING

Cylinders 3

Form A. B. 108-Sheet 7

HULL MACHINERY

DESCRIPTION	No. of	Size	Type	Maker	REMARKS
Steering Engine					
Capstan					
Windlass					
Winches					

SPARE GEAR

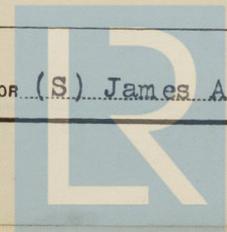
DESCRIPTION	No. of	DESCRIPTION	No. of	DESCRIPTION	No. of
Connecting Rod Top End Bolts	2	Safety Valve Springs			
Connecting Rod Bottom End Bolts	2	Fire Bars			
Main Bearing Bolts	2	HP Piston Rings	2		
Coupling Bolts	6	MP " "	2		
Set of Feed and Bilge Pump Valves		LP " "	1		
Set of Piston Springs ^{each} cylinder _{1 set}		COUPLING bolts _{1 set}			

REMARKS

EMERGENCY FLEET CORP. ENGINE NO. 559
 MANUFACTURER'S ENGINE NO. 4485
 ENGINE SHIPPED TO: Carolina Shipbuilding Co., Wilmington, N.C. 1-27-19

COPY

SURVEYOR (S) James A. Neely



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