

A. B. 108
Cir. Le. 146

AMERICAN BUREAU OF SHIPPING

Date 12 - 2 - 19

PORT NO. F-688	REPORT ON RECIPROCATING ENGINES	PORT Buffalo
IN RECORD		PORT OF REGISTRY
CLASS	BUILT BY	WHERE BUILT
GROSS TONNAGE	OWNERS	YEAR OF CERTIFICATE
WHEN BUILT 1919	ENGINES BUILT BY O'Neil Iron Works	WHERE BUILT Buffalo, N.Y.
SINGLE OR TWIN SCREW Single	TYPE OF ENGINES Triple Expansion	BOILER PRESSURE

MAIN ENGINE DATA

Stroke 48"	Working Pressure
Revolutions	Designed Indicated I. H. P. 2800

CYLINDER DIAMETERS AND TEST PRESSURE APPLIED

H. P. Cylinder 21-1/2"	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

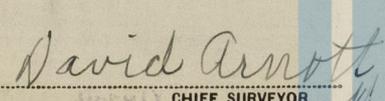
H. P. Valve Piston	2nd I. P. Valve
1st I. P. Valve Piston	L. P. Valve D. P. Slide

THROTTLE VALVE

Diameter of Valve 8"	Tested to 700 Lbs. Pressure
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CONDENSER

Type	Diameter of Tubes
Cooling Surface in Sq. Feet	Length between Tube Sheets
No. of Tubes	

1st Visit 9-30-19	Last Visit <u>November 1st, 1919.</u>  DEPUTY CHIEF SURVEYOR
No. of Visits 8	
Fees	
Expenses	
Total	


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C. D. Mills
 SURVEYOR
 Lloyd's Register
 Foundation
 This Report consists of sheets attached hereto

Wilmington, Del.
507 Orange St.

004489-004495-0116 1/2

SHAFTING

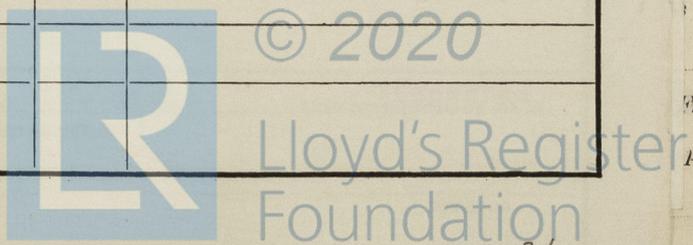
Shaft—Type Built	Intermediate Shafting, No. of Lengths
Shaft Diameter 14"	Intermediate Shafting Diameter
Thickness of Webs 9-1/2"	Diameter of Coupling 27"
Number of Webs 28"	No. and Diameter of Shaft Coupling Bolts. 6 - 2-1/3"
Bearing Type Horse Shoe	Propeller Shaft Diameter
Shaft Diameter 14"	Type of Sleeve
Number of Collars 10	Thickness of Sleeve
Diameter of Collars 23-1/2"	Diameter of Thread at End

PROPELLER

Material	Pitch
Number of Blades	No. and Size of Bolts
Material 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	Ram Slide valve	14"	20"	
Timing Engine	1	Reciprocating	8"	6"	
Pump	1	Bucket Edwards	26"	21"	
Regulating Pump					
Water Pump	2	plunger	5"	21"	
Sanitary Pump					
Feed Pump					
Cap. Feed Pump	2	Plunger	1-3.4"	8"	



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