

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	NAME OF VESSEL	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

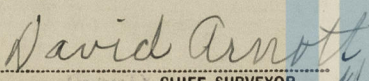
H. P. Valve Piston	2nd I. P. Valve
1st I. P. Valve Piston	L. P. Valve D. P. Slide

THROTTLE VALVE

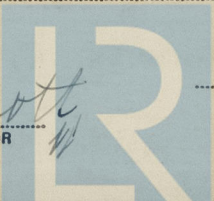
Diameter of Valve 8"	Tested to 700 Lbs. Pressure
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CONDENSER

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

1st Visit 9-30-19	November 1st, 1919.  CHIEF SURVEYOR
No. of Visits 8	
Fees	
Expenses	
Total	

Wilmington, Del.
507 Orange St.

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 This Report consists of sheets attached hereto

Date of Test

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from

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
Is 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					
Ap. Feed Pump	2	Plunger	1-3.4"	8"	



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