

AMERICAN BUREAU OF SHIPPING

Date March 19, 1919

REPORT NO. 201	REPORT ON RECIPROCATING ENGINES		PORT Pittsburgh, Pa.
NO. 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		WHERE BUILT
SINGLE OR TWIN SCREW	TYPE OF ENGINES		BOILER PRESSURE

of Electric
Hamilton 4/1/98

EMERGENCY FLEET CORPORATION ENGINE NO. 889 1919

HOOVEN OWENS RENTSCHLER CO. CONTRACT-PD-3865 Hamilton, O.

Triple Expansion, Reciprocating.

MAIN ENGINE DATA

Stroke 48"	Working Pressure 200
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
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CONDENSER

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

1st Visit	<p>Last Visit <u>Constant Attention</u></p> <p><u>James A. Neely</u> SURVEYOR</p> <p>CHIEF SURVEYOR</p>
No. of Visits	
Fees	
Expenses	
Total	

This Report consists of ... sheets attached hereto

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PUMPING ARRANGEMENTS		
DESCRIPTION	SUCTION CONNECTIONS	DISCHARGE CONNECTIONS
Main Feed Pump		
Auxiliary Feed Pump		
Circulating Pump		
Air Pump		



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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 " 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					



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Form A. B. 108-Sheet 4

PUMPING ARRANGEMENTS (Continued)		
DESCRIPTION	SUCTION CONNECTIONS	DISCHARGE CONNECTIONS
Ballast Pump		
Bilge Pump		
General Serv. Pump		
Fire Pump		
Oil Fuel Trans. Pump		
Oil Burner Pump		
Fresh Water Pump		
Evap. Feed Pump		
Injector		



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BILGE AND BALLAST CONNECTIONS

COMPARTMENT	BILGE SUCTION DIAMETERS			BALLAST SUCTION DIAMETERS		
	Port	Starboard	Center	Port	Starboard	Center
No. 1 Hold						
No. 2 Hold						
No. 3 Hold						
No. 4 Hold						
No. 5 Hold						
No. 6 Hold						
Boiler Room						
Engine Room						
Fore Peak						
After Peak						

FEED HEATING APPLIANCES, ETC.

DESCRIPTION	No. of	Size	Type	Maker	Heat. Surf. or Capacity	REMARKS
Auxiliary Condenser						
Feed Water Heater						
Evaporator						
Filters						
Distiller						
















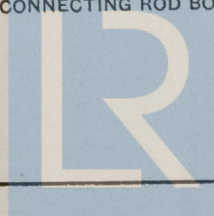
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FORGINGS AND CASTINGS

		STAMPED			STAMPED
CRANK SHAFT			CRANK WEBS		
TESTED	PORT OF	A. B. 	REPORTED TESTED	PORT OF	A. B. 
248	Chicago	642	REPORT NO. 3550	Pittsburgh	125
			REPORT NO. 3550	"	122
254	"	667	REPORT NO. 3886	"	162
207	"	779	REPORT NO. 3886		155
			REPORT NO. 2886	"	134
207	"	784	REPORT NO. 2886		123
217	"	773	REPORT NO.		
			REPORT NO.		
PISTON RODS			CROSSHEADS		
TESTED	PORT OF	A. B. 	REPORTED TESTED	PORT OF	A. B. 
NO. 210	Chicago	789	REPORT NO. 213	Chicago	629
NO. 210	"	787	REPORT NO. 250	"	628
NO. 224	"	565	REPORT NO. 249	"	619
NO.			REPORT NO.		
CONNECTING RODS			CRANK PINS		
TESTED	PORT OF	A. B. 	REPORTED TESTED	PORT OF	A. B. 
NO. 218	Chicago	768	REPORT NO. 252	Chicago	1079
NO. "	"	762	REPORT NO. 252	"	981
NO. "	"	764	REPORT NO. 252	"	932
NO.			REPORT NO.		
THRUST. SHAFT			PROPELLER SHAFT		
TESTED FINISHED	PORT OF	A. B. 	REPORTED FINISHED	PORT OF	A. B. 
NO. 132	Pittsburgh	614	REPORT NO.		
INTERMEDIATE SHAFTS			REVERSE SHAFT		
REPORTED FINISHED	PORT OF	A. B. 	REVERSE SHAFT	Chicago	A. B. 
REPORT NO.			REVERSE SHAFT ARMS	Pittsburgh	A. B. 
REPORT NO.			CONNECTING ROD BOXES	Cleveland	A. B. 
REPORT NO.					A. B. 
REPORT NO.					
REPORT NO.					



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HULL MACHINERY

DESCRIPTION	No. of	Size	Type	Maker	REMARKS
Steering Engine					
Apstan					
Windlass					
Inches					

SPARE GEAR

DESCRIPTION	No. of	DESCRIPTION	No. of	DESCRIPTION	No. of
Connecting Rod Top End Bolts	2	Safety Valve Springs		Crank End Conn Rod Comp. Box	1
Connecting Rod Bottom End Bolts	2	Fire Bars		Crosshead Conn Rod Comp. Box	1
Main Bearing Bolts	2	HP Piston Rings	2	HP Valve Stem Comp	1
Coupling Bolts	6	MP Piston Rings	2	Valve Guards (Air Pump)	6
Set of Fixed and Bilge Pump Valves & springs	2	LP Piston Rings	1	Valve Discs (Pump)	6
Set of Piston Springs H.P. & L.P.	1 set ea. cyl	1. Coupling Bolts	1 set		

REMARKS

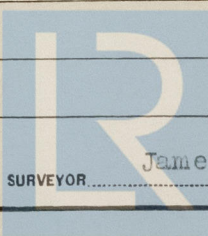
EMERGENCY FLEET CORPORATION ENGINE NO. 889 MF'GR'S NO. 4510

CONTRACT NO. P.D. 3865

DATE OF SHIPMENT: 2-20-19

SHIPPED TO:

S.S. "CITY OF JOLIET"



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James A. Neely

SURVEYOR

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