

REC'D NEW YORK FEB 17 1921

See SFO 1st & Rpt. No. 3552.

REPORT ON MACHINERY.

No. 147

Received at London Office **WED 16 JUL 1921**
of writing Report **Feb 1st 1921** When handed in at Local Office **Feb 1st 1921** Port of **Cleveland Ohio**
in Survey held at **Hamilton Ohio** Date, First Survey **Dec 6th** Last Survey **Jan 25th 1921**

Book. on the **ENG. No 4955. HULL No 15**
Built at **Oakland Cal** By whom built **Union Construction Coy** When built
Names made at **Hamilton Ohio** By whom made **Hoover Owens & Rentscheler Co** when made **1921**

Registered Horse Power _____ Owners _____ Port belonging to _____
Horse Power as per Section 28 _____ Is Refrigerating Machinery fitted for cargo purposes _____ Is Electric Light fitted _____

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INES, &c.—Description of Engines **Triple expansion vertical** No. of Cylinders **3** No. of Cranks **3**
of Cylinders **27"-45"-74"** Length of Stroke **48"** Revs. per minute **80** Dia. of Screw shaft _____ Material of screw shaft _____

Is the after end of the liner made water tight _____
If the liner does not fit tightly at the part _____
If the liner is in more than one length are the joints burned _____
If the liner does not fit tightly at the part _____

Length of stern bush _____
Dia. of Crank shaft journals _____ Dia. of Crank pin **14 1/2"** Size of Crank webs **27 1/2" x 29 1/2"** Dia. of thrust shaft under _____

No. of Blades _____ State whether moceable _____ Total surface _____
Diameter of ditto _____ Stroke _____ Can one be overhauled while the other is at work _____

Diameter of ditto **4"** Stroke **26"** Can one be overhauled while the other is at work **Yes**
No. and size of Suctions connected to both Bilge and Donkey pumps _____

Are the roses in Engine room always accessible _____ Are the sluices on Engine room bulkheads always accessible _____

Are they Valves or Cocks _____
Are the Discharge Pipes above or below the deep water line _____

Are the Blow Off Cocks fitted with a spigot and brass covering plate _____
How are they protected _____

all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times _____
the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges _____

Is it fitted with a watertight door _____ worked from _____

MANUFACTURERS, &c.—(Letter for record _____) Manufacturers of Steel _____

Is Forced Draft fitted _____ No. and Description of Boilers _____
Working Pressure **180 lbs.** Tested by hydraulic pressure to _____ Date of test _____ No. of Certificate _____

Area of fire grate in each boiler _____ No. and Description of Safety Valves to _____
Area of each valve _____ Pressure to which they are adjusted _____ Are they fitted with easing gear _____

Mean dia. of boilers _____ Length _____ Material of shell plates _____
Range of tensile strength _____ Are the shell plates welded or flanged _____ Descrip. of riveting: cir. seams _____

Diameter of rivet holes in long. seams _____ Pitch of rivets _____ Lap of plates or width of butt straps _____
Working pressure of shell by rules _____ Size of manhole in shell _____

No. and Description of Furnaces in each boiler _____ Material _____ Outside diameter _____
Thickness of plates _____ Description of longitudinal joint _____ No. of strengthening rings _____

Working pressure of furnace by the rules _____ Combustion chamber plates: Material _____ Thickness: Sides _____ Back _____ Top _____ Bottom _____
If stays are fitted with nuts or riveted heads _____ Working pressure by rules _____

Area at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ End plates in steam space: _____
How are stays secured _____ Working pressure by rules _____ Material of stays _____

Area supported by each stay _____ Working pressure by rules _____ Material of Front plates at bottom _____
Greatest pitch of stays _____ Working pressure of plate by rules _____

Material of tube plates _____ Thickness: Front _____ Back _____ Mean pitch of stays _____
Working pressures by rules _____ Girders to Chamber tops: Material _____ Depth and _____

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