

Lloyd's Register of Shipping.

(Report on Machinery, No.

Port

No.

ENGINE FORGINGS ~~CRANK SHAFTS~~

I have to report that the ~~Iron~~ Steel ~~Cranks~~ ^{Forgings} as herein described, manufactured by Allis-Chalmers Mfg. Co., of West Allis, Wis. ^{Gear Unit S/O} for ~~the Engine~~ No. 4440 being constructed by The Falk Co., Mil., Wis. for Midwest Engine Company, Ind. for the Ship No. , being built by Federal Shipbuilding Co., of Newark, N.J. have been inspected by me as set forth below, and found to be, so far as can be seen, sound.

Mark on Forgings of ~~XXXXX~~

CHICAGO, ILLINOIS.
MARCH 28th, 1919.

Lloyd's

No. 2633, 2637, 1776, 2022, 1391,
1403019,
W.L.

H. Larson

	H.S. Pinion CRANK SHAFT	H.S. Pinion THRUST SHAFT.	STRAIGHT SHAFTING. S INTERMEDIATE SHAFTS.	L.S. PROPELLER SHAFT.
Material* ...	Open Hearth Steel.			
How made ...	Sieman's Process.			
Dimensions ...				
Progress on Inspection {	When Forged, Rough Turned & Finished.			
Tests on Standard Test Pieces.	#2633	#2637	#1776 #2022	#1391
Tensile Test— lbs per square inch	108000	129360	90360 80840	71680
Extension per cent	23.5	21.5	26 25	30
Cold Bending Test— Angle before fracture	180° 7-2-19,	180° 11-2-19,	180° 17-7-18: 2-12-18,	180° 13-2-18,
Dates when Inspected	14-3-19.	14-3-19.	14-3-19.	14-3-19.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Expenses: \$17.50

Fee (if any chargeable) \$110.00
To be paid at Chicago.

* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.