

S.S. "SHEAF MEAD" Ex "SAMMEX."

No.90921 in Register Book Supplement.

Classification.

Owners: Messrs. Sheaf Steam Shipping Co.Ltd.

IT IS SUBMITTED Messrs. Russell be informed that with triple expansion steam reciprocating engines intended for ocean going service and having cylinders $24\frac{1}{2}$ " , 37" and 70" dia. & 48" stroke, working pressure at superheater outlet 220 lbs. per sq. inch, the following size of shafting meets the requirements of the Rules, viz:

Crank $14\frac{1}{4}$ " dia.

The details of crankshaft as shown on the plan also meet the requirements of the Rules.

The undernoted dimensions of straight shafting as shown on plans relating to similar engines installed in vessels of this type also meet the requirements of the Rules, viz:

Thrust $14\frac{1}{4}$ " dia.
Intermediate $13\frac{1}{2}$ " dia.
Screwshaft $15\frac{1}{4}$ " dia.

screwshaft fitted with continuous liner and propeller 18'-6" dia.

The scantlings of the boilers and superheaters as shown on the plans are such as could be accepted for a design pressure of 50 lbs. per sq. inch (working pressure at superheater outlet 20 lbs. per sq. in.) provided the thickness of the dished end which is not indicated on the plans, be in accordance with the Rules.

The pumping arrangements as shown on the plan are in order subject to the blank flanging connections to the deep tanks meeting the requirements of the Rules & *the bilge suction is taken through non-return valves when dry cargo is carried.*

Accordingly, provided the remaining requirements of the Rules for vessels not built under survey be complied with, the machinery could be accepted and recommended for the notation.

LMC (with date), but without the distinguishing mark.

Advise Owners with 1 copy of each plan.

Advise London Outdoor Surveyors with 1 copy of each plan and furnish Surveyors with a copy (attached) of sheet giving dimensions of engines and shafting fitted in vessels of this type.

London copies of plans retained on 4th floor.

gks *Pa.*
18.7.47

L. Owen