

AIR RECEIVERS: - Have they been made under survey **Yes.** State No. of Report or Certificate *Nottingham 2/19*
 Is each receiver, which can be isolated, fitted with a safety valve as per Rule **Yes.**
 Can the internal surfaces of the receivers be examined and cleaned **Yes.** Is a drain fitted at the lowest part of each receiver **Yes.**

Injection Air Receivers, No. - Cubic capacity of each Internal diameter thickness
 Seamless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules Actual
Starting Air Receivers, No. Two Total cubic capacity Internal diameter **24 1/8"** thickness **15/32"**
 Seamless, lap welded or riveted longitudinal joint **welded.** Material **O.H. Steel.** Range of tensile strength **26/30** Working pressure by Rules Actual **350 lbs/sq"**
tons/sq"

IS A DONKEY BOILER FITTED? If so, is a report now forwarded?
 Is the donkey boiler intended to be used for domestic purposes **no**

PLANS. Are approved plans forwarded herewith for Shafting **25.6.42.** Receivers **25.6.42.** Separate Fuel Tanks -
 (If not, state date of approval)
 Donkey Boilers - General Pumping Arrangements - Pumping Arrangements in Machinery Space -
 Oil Fuel Burning Arrangements -

SPARE GEAR.

Has the spare gear required by the Rules been supplied **AS PER RULE REQUIREMENT.**
 State the principal additional spare gear supplied

The foregoing is a correct description
CROSSLEY BROTHERS LIMITED,
 Manufacturer.

Dates of Survey while building
 During progress of work in shops - - **1942. 17 & 30.12.42. 1943. 1.2.43, 2.2.43, 14.3.43, 13.4.43.**
 During erection on board vessel - - -
 Total No. of visits **6.**

Dates of Examination of principal parts - Cylinders **1.2.43.** Covers **1.2.43.** Pistons **1.2.43.** Rods - Connecting rods **17.12.42**
30.12.42
 Crank shaft **1.2.43.** Flywheel shaft - Thrust shaft **1.2.43.** Intermediate shafts - Tube shaft -
 Screw shaft - Propeller - Stern tube - Engine seatings - Engines holding down bolts -
 Completion of filling sea connections - Completion of pumping arrangements - Engines tried under working conditions -
 Crank shaft, Material **O.H. Steel.** Identification Mark **LLOYD'S 1924** Flywheel shaft, Material - Identification Mark -
 Thrust shaft, Material **O.H. Steel.** Identification Mark **CSN. 5.12.42** Intermediate shafts, Material - Identification Marks -
 Tube shaft, Material - Identification Mark **LLOYD'S 1928** Screw shaft, Material - Identification Mark -
 Identification Marks on Air Receivers **E.1980.** **E.2227.**
LLOYD'S TEST. **LLOYD'S TEST.**
700 lbs. **700 lbs.**
W.P. 350 lbs. **W.P. 350 lbs.**
JNB. 26.12.40. **JNB. 2.7.41.**

Is the flash point of the oil to be used over 150° F.
 Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with
 Description of fire extinguishing apparatus fitted
 Is the vessel (not being an oil tanker) fitted for carrying oil as cargo If so, have the requirements of the Rules been complied with
 If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with
 Is this machinery duplicate of a previous case If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. **THIS ENGINE HAS BEEN CONSTRUCTED UNDER SPECIAL SURVEY OF TESTED MATERIALS, AND IN ACCORDANCE WITH THE SECRETARY'S LETTERS, APPROVED PLANS AND RULE REQUIREMENTS. THE MATERIALS AND WORKMANSHIP ARE GOOD, AND THE ENGINE WHEN TESTED IN THE SHOP UNDER FULL LOAD CONDITIONS GAVE SATISFACTORY RESULTS. THIS ENGINE IS SUITABLE, IN MY OPINION, FOR ITS INTENDED SERVICE, AND WHEN SATISFACTORILY INSTALLED AND REPORTED ON, WILL BE ELIGIBLE TO RECEIVE THE NOTATION OF L.M.C. (WITH DATE).**

*The above installed in "E. RUNNER" at Thorne.
 See separate report 46. W.S. Shields*

The amount of Entry Fee .. £ **3 : 0 : 0** When applied for,
 Special £ **20 : 5 : 0** **16. 4. 1943.**
 Donkey Boiler Fee £ : : : When received,
 Travelling Expenses (if any) £ **1 : 0 : 0** 19

W. Knowles
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **TUES. 7 DEC 1943**
 Assigned *See Hull Fe 52233*

