

COPY.

# Lloyd's Register of Shipping.



C. 2375

Port

MANCHESTER.

8th January, 1930.

GLASGOW REPORT No 50555

This is to Certify that

J. McL. REID,

the undersigned Surveyor to this Society did at the request of Messrs. Fiat British Auxiliaries, Ltd., Glasgow, attend at the Works of Messrs. Mitchell, Shackleton & Co. Ltd., Manchester, on the 28th August, 1929, and subsequently, for the purpose of inspecting and testing two - three throw Crankshafts, made to the Order No. 1872 of the former firm.

Samples cut from the forgings were mechanically tested in the presence of the undersigned with the following results:-

Forging No.	Test piece from.	Yield. Tons per sq. inch.	Ult. Tensile Stress. Tons per sq. inch.	Elong. %	Bend Test. Angle without fracture.
1559	End longitudinal.	23.2	37.2	29	180 degrees.
	Across web.	23.6	34.0	22	125 "
	Along web.	24.8	36.0	30	160 "
1575	End longitudinal.	24.8	37.6	26	180 "
	Across web.	23.2	37.4	18	125 "
	Along web.	22.6	34.4	25	160 "

The shafts were also examined in their finished condition and found, so far as could be seen, sound.

The finished diameter of the pins and journals was 160 m/ms, and the shafts were stamped:- "LLOYD'S and R", for identification.

Fee:- £4 - 4 - 0

*J. McL. Reid.*  
Surveyor to Lloyd's Register of Shipping.

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:-

"While the Committee use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Committee nor the Society are under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default, or negligence of the Surveyors, or other Officers or Agents of the Society."

