

COPY.

# Lloyd's Register of Shipping.



C. 2375  
C. 2379

Port

MANCHESTER.

13th January, 1930.

GLASGOW REPORT No 50555

This is to Certify that


J. F. CAMPBELL,

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 25th November, 1929, and subsequently, for the purpose of inspecting and testing one - three throw Crankshaft, made to the Order No. 1872 of the former firm.

Samples cut from the forging 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.	Elong. %	Bend Test. Angle with-out fracture
1837	End longitudinal	23.8	37.2	26	180 degrees.
	Across web	19.8	35.8	27	180 "
	Along web	23.4	37.6	26	180 "

The shaft was also examined in its finished condition and found, so far as could be seen, sound.

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

Fee:- £2 - 2 - 0

J. F. Campbell.  
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."