

COPY.

# Lloyd's Register of Shipping.



Port DANZIG

23rd January 1935

**This is to Certify** that

Franz Schnell

the undersigned Surveyor to this Society did at the request of Messrs. F. Schiohau G.m.b.H. of Elbing attend their works at Elbing and Danzig from the time of 2nd July 1934 till 23rd January 1935 for the purpose of surveying the construction and erection of the 3 Cylinder Reciprocating Engine No. 3600 being fitted on board the Drag Suction Hopper Dredger "Chien She" Owned by Messrs. Whangpoo Conservancy Board of Shanghai.

The Engine, being the motive engine for the dredging pump, has the following dimensions : H.P. cylinder 500 mm diam. I.P. cylinder 820 mm. diam., L.P. cylinder 1350 mm diam., Stroke 950 mm., numbers of revolutions 150 per minute. The crankshaft has at bearing a diam. of 280 mm and at the crankpin 290 mm diam. Indicated horsepower are about 2500 PSI'

All scantlings have been verified with those given on the plans approved by the Whangpoo Conservancy Board and were found to be in accordance with same. All forgings and steel castings have been tested according to the Rules of this Society and with satisfactory results. The workmanship on the engine was found to be of high quality in every respect.

After completion a number of trial dredgings have been

made at Pillau and the Engine was found to work satisfactory in

Signed : Fr. Schnell

Surveyor to Lloyd's Register

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