

## Lloyd's Register of Shipping.

(Report on Vessel No. 8488 Port 160)No. 216SHIP FORGINGS ~~OR CASTINGS~~

I have to report that the undermentioned ~~Iron or Steel Forgings or Castings~~, manufactured by Messrs. Altos Hornos of Bilbao for the Vessel No. 34, being built by Messrs. Corcho e Hijos of Santander have been inspected by me as set forth below and found to be, so far as can be seen, sound and free from defects

Mark on Forgings or Castings.

Lloyd's

No. 335-A-B-C-D&EI-9-33 G.D.Bilbao

Rudder Head

Rudder Mainpiece

Rudder Arms

~~STEEL FRAME~~~~RUDDER FRAME~~~~STEEL~~

Material\*

S.M. Steel

How made

Forged.

If annealed

Yes.

Dimensions

195mm. dia.195 & 145 mm.---

Progress on Inspection

Forged', finished machined and with arms shrunk on.

Date when Inspected

16-6-33, 23-6-33, 1-9-33.~~CASTINGS~~

Tests on Standard Test Pieces.

335 A.335 B.335C 335D 335E

Tensile Test—

46.4484847.447.2

Tens. per square inch

Kgs.

mm.

3636363737

Extension per cent. ...

Cold Bending Test—

180° G.180° G.180° G.

Angle before fracture

Drop Test—

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Height from ground ...

Hammering Test—

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If made according to Rules and found satisfactory ...

SKETCHES OF FRAMES SHOWING POSITION AND DESCRIPTION OF WELDS OF FORGINGS.

Fee (if any chargeable) £

To be paid at

\* If of Iron, state whether scrap or puddled Iron. If of Steel, state whether made on the Open Hearth process.