

[illegible]

Mechanical test of anchors by Hans Kolbow, Düsseldorf. 26/8/12.

WED. MAR. 19. 1913

| EQUIPMENT No. 16967 | | LETTER R | | | ANCHORS. | | | TONNAGE U. DK. OR PLATING No. FOR TRAWLERS | | | | | | | | | |
|------------------------|-------------------|--------------------|------|------|------------------|------|------|--|-------|------|------|------------------------------|------|------|---------------------------|-----------------|---|
| Number of Certificate. | Anchors. | WEIGHT, EX. STOCK. | | | WEIGHT OF STOCK. | | | TEST, PER CERTIFICATE. | | | | WEIGHT REQUIRED BY TABLE 31. | | | Description of Anchor. | Makers. | Where and when tested and Superintendent. |
| | | Cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | Tons. | cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | | | |
| 39865 | 1st Bower ... | 37 | 1 | 10 | Stockless. | | | 34 | 0 | 2 | 14 | 35 | 2 | 0 | Taylor's Cast steel hook. | J. Taylor & Son | Tipton 16/10/12 C.E. Pennie |
| 39866 | 2nd „ ... | 37 | 1 | 7 | „ | | | 33 | 18 | 3 | 0 | 36 | 2 | 0 | | | |
| 39892 | 3rd „ ... | 30 | 2 | 0 | „ | | | 29 | 0 | 0 | 0 | 30 | 0 | 0 | | | |
| | 4th „ ... | | | | | | | | | | | | | | | | |
| | Collective weight | 105 | 0 | 17 | | | | | | | | 101 | 0 | 0 | | | |
| 39946 | Stream | 9 | 1 | 14 | 2 | 1 | 14 | 11 | 9 | 0 | 7 | 9 | 1 | 0 | ordinary. | „ | 3/10/12 |
| 39946 | Kedge..... | 5 | 0 | 0 | 1 | 1 | 0 | 7 | 7 | 2 | 0 | 14 | 3 | 0 | | | |

| CHAIN CABLES. | | | | | | | | | | HAWERS AND WARPS. | | | | | | | | | |
|---------------------------------|---------------------------|-------|-----------------------|--------|------------------------|------|-------------------------------|----------|--------------|---|--|----------------|---------------------------|-------|--------------------------------------|-------------------------------|-------|-----------|---------------------------|
| Number of Certificate. | Length and size supplied. | | Test per Certificate. | | WEIGHT OF CHAIN CABLE. | | Length and Size per Table 31. | | Description. | Makers of Cables. | Where and when tested, and Superintendent. | Material. | Length and Size supplied. | | Breaking Test of Steel Wire Towline. | Length and Size per Table 31. | | Material. | Length and Size supplied. |
| | Fathoms. | Ins. | Tons. | qrs. | Cwts. | qrs. | lbs. | Fathoms. | Ins. | | | | Fathoms. | Ins. | | Fathoms. | Ins. | | |
| 41127 | 240 | 1 1/2 | 55 1/2 | 77 1/2 | 377 | 0 | 3 | 370 | 1 | 22 | 240 | 1 1/2 | 240 | 1 1/2 | 26 | 90 | 3 1/2 | 240 | 1 1/2 |
| | | | | | | | | | | S. Taylor & Son, Tipton 3/10/12 C.E. Pennie | | TOWLINE | | | | | | | |
| | | | | | | | | | | | | HAWERS & WARPS | 2-90 | 6" | MANILLA | 2-90 | 6" | | |
| | | | | | | | | | | | | " | 3-90 | 5" | " | 2-90 | 5" | | |
| | | | | | | | | | | | | " | 2-90 | 2" | 7 | | | | |
| | | | | | | | | | | | | " | 120 | 3 1/2 | MANILLA | | | | |
| Iron Stream Chain or Steel Wire | 90 | 1 1/2 | | 33 | | | | 75 | 1 1/2 | W. Barton & Co. | | | | | | | | | |

Boats Three.

Pumps, Number One Down for Pump & fore peak hand pump. **Steering Gear, Steam** by J. Hasche & Co. **Steering Gear, Hand** by J. Hasche & Co. Diameter of Barrels 5" 7 1/2". State whether they are in efficient working order *yes*.

Windlass is *Steam by Emerson Walker & Thompson.* **Capstan** *yes*.

Engine Room Skylights.—How constructed? *Steel plates & angles.* What arrangements for deadlights in bad weather? *Steel flaps & bulls eyes.*

Coal Bunker Openings.—How constructed? *Steel plates & angles.* How are lids secured? *cleats & battens.* Height above deck? *30"*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *4 each side.*

Ceiling in Holds, thickness and material *2 1/2" W.P.* **Cargo Battens, thickness and material** *2" W.P.*

Cargo Hatchways.—How formed? *Steel plates & angles.* **Hatches, If strong and efficient?** *yes.*

State size No. 1 Hatch (Forward) *17' 7" x 13' 11 1/2"* **No. 2 Hatch** *21' 6" x 14' 0"* **No. 3 Hatch** *19' 6" x 13' 11 1/2"* **No. 4 Hatch** *15' 7" x 13' 10 1/2"*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *3 to No. 1 & 3 4 to No. 2 & 2 to No. 4.*

No. of Breasthooks *Two.* **No. of Crutches** *dup floors.*

Bulwarks, height above deck and description *open rails.* **Main Rail, material and size** *yes.*

The foregoing is a correct description.

Builder's Signature (here only) *Murdoch & Murray Ltd. per J.M.* **Surveyor's Signature** *A.W. In' Kab.*

Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made in any correspondence connected with the case*)

17/19/12. 17/20/12. 17/21/12. 17/24/12. E 17/4/12.

Workmanship. Are the butts of plating planed or otherwise fitted? *planed where practicable.*

Is the riveted work properly closed? *yes.*

Are the liners between the frames and plates solid single pieces? *frames joggled.* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *yes.* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *yes.* Do any rivets break into or through the seams or butts of the plating? *a few.*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *yes.*

Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *yes.* State results of tests *satisfactory.*

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *yes.* State results of tests *satisfactory.*

General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the rules and the approved plans forwarded herewith.*

The materials & workmanship are of good quality.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

The amount of Entry Fee £ 4 : : : Fees applied for, *12/3/1913*

Special Survey Fee.... £ 60 : 3 : 6 Received by me, *J.H.B.*

Travelling Expenses, if any £ : : : *14/3/1913*

State whether the Vessel has been built under Special Survey *yes.* Certificate to be sent to *Greenock.* Date of issue *1/5/13.*

I am of opinion this Vessel should be Classed ** 100 A1. "SHELTER DECK"*

With, or without Freeboard, as condition of Class

Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *GLASGOW 18 MAR. 1913*

Character assigned ** 100 A1 Shelter DK with fbd.*

3.13

Lloyd's A & P

+ LMC 3.13

The Surveyors are requested not to write on or below the Committee's Minute.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 1 DK (STL) 7 SHELTER DK (STL).

Official No. 135257; Signal Letters ☒ State if Machinery is fitted af AMIDSHIPS.

How are the surfaces preserved from oxidation? Inside BY PORTLAND CEMENT AND PAINT Outside BY PAINT

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors.

| Where Fitted. | *Length. | Water Capacity. | Where Fitted. | *Length. | Water Capacity. |
|---|---------------------------------|-----------------|--|----------|-----------------|
| | Feet. | Tons. | | Feet. | Tons. |
| Double bottom, aft, | 66.58 | 122. | Fore peak tank, | 14.0 | 29. |
| Double bottom, under Engines and Boilers, | | | After peak tank, | 14.30 | 29. |
| Double bottom, if under Engines only, | 15.66 | 38. | Deep tank, aft, | | |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | | |
| Double bottom, forward, | 121.42 | 235. | Other tanks, if fitted, | | |
| | Total capacity of double bottom | 395 | (If necessary, furnish further information by sketch.) | | |

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules. YES

Order for Special Survey No. 2700

Date 29th March 1912

No. 253 in builder's yard.

DATES OF SURVEYS held while building

1912. May 21. June 3. 8. 10. 14. 17. 21. 25. July 19. 23. 29. Aug. 1. 6. 9. 13. 15. 19. 21. 23. 26. 30. Sept. 17. 23. 25. 27. 30. Oct. 2. 7. 9. 11. 15. 17. 21. 23. 24. 30. Nov. 1. 4. 5. 11. 13. 19. 20. 22. 27. 29. Dec. 3. 5. 10. 12. 17. 18. 20. 23. 26. 27. 30. 1913. Jan. 8. 10. 14. 30. Feb. 5. March 5. 7.

Total No. of Visits 64

Surveyor's Signature

A. P. W. M. Rab.